

ITINERARIO RAGUSA-CATANIA

Collegamento viario compreso tra lo Svincolo della S.S. 514 "di Chiaramonte" con la S.S. 115 e lo Svincolo della S.S. 194 "Ragusana"

LOTTO 4 - Dallo svincolo n. 8 "Francofonte" (compreso) allo svincolo della "Ragusana"(escluso)

PROGETTO ESECUTIVO

COD. **PA898**

PROGETTAZIONE: ATI SINTAGMA - GP INGEGNERIA - COOPROGETTI -GDG - ICARIA - OMNISERVICE

PROGETTISTA RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE:


Dott. Ing. Nando Granieri

Ordine degli Ingegneri della Prov. di Perugia n° A351



IL GRUPPO DI PROGETTAZIONE:

MANDATARIA:

	Dott. Ing. N.Granieri Dott. Ing. F.Durastanti Dott. Ing. V.Truffini Dott. Arch. A.Bracchini Dott. Ing. L.Nani	Dott. Ing. M.Abram Dott. Ing. F.Pambianco Dott. Ing. M.Briganti Botta Dott. Ing. L.Gagliardini Dott. Geol. G.Cerquiglini
---	---	--

MANDANTI:

	Dott. Ing. G.Guiducci Dott. Ing. A.Signorelli Dott. Ing. E.Moscatelli Dott. Ing. A.Bela	Dott. Ing. G.Lucibello Dott. Arch. G.Guastella Dott. Geol. M.Leonardi Dott. Ing. G.Parente
	Dott. Arch. E.A.E.Crimi Dott. Ing. M.Panfilì Dott. Arch. P.Ghirelli Dott. Ing. D.Pelle	Dott. Ing. L.Ragnacci Dott. Arch. A.Strati Archeol. M.G.Liseno
	Dott. Ing. D.Carlaccini Dott. Ing. S.Sacconi Dott. Ing. C.Consorti	Dott. Ing. F.Aloe Dott. Ing. A.Salvemini
	Dott. Ing. V.Rotisciani Dott. Ing. G.Pulli Dott. Ing. F.Macchioni	Dott. Ing. G.Verini Supplizi Dott. Ing. V.Piunno Geom. C.Sugaroni
	Dott. Ing. P.Agnello	

IL GEOLOGO:

Dott. Geol. Giorgio Cerquiglini

Ordine dei Geologi della Regione Umbria n° 108

IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE:

Dott. Ing. Filippo Pambianco

Ordine degli Ingegneri della Provincia di Perugia n° A1373

VISTO IL RESPONSABILE DEL PROCEDIMENTO

Dott. Ing. Luigi Mupo

IL RESPONSABILE DI PROGETTO:



OPERE DI SOSTEGNO
MURO IN CA - DA KM 0+145 A KM 0+185 SEC. 127
Relazione di calcolo

CODICE PROGETTO			NOME FILE			REVISIONE	SCALA:
PROGETTO	LIV. PROG.	N. PROG.	T04OS29STRRE01A				
L0408Z	E	2101	CODICE ELAB. T04OS29STRRE01			A	-
A	Emissione		Nov 2021	E.Sellari	F. Durastanti	N.Granieri	
REV.	DESCRIZIONE		DATA	REDATTO	VERIFICATO	APPROVATO	

INDICE

1	PREMESSA	3
2	NORMATIVA DI RIFERIMENTO	6
3	CARATTERISTICHE DEI MATERIALI	7
4	CARATTERIZZAZIONE GEOTECNICA.....	11
5	VITA NOMINALE, CLASSE D'USO E PERIODO DI RIFERIMENTO	12
6	AZIONE SISMICA DI RIFERIMENTO.....	13
7	METODO DI CALCOLO	14
7.1	COMBINAZIONI DI CARICO	14
7.2	SOFTWARE DI CALCOLO	16
8	ANALISI DEI CARICHI	17
8.1	AZIONI DI CALCOLO.....	17
8.2	PESO PROPRIO DELLA STRUTTURA	17
8.3	SPINTA DEL CARICO VARIABILE STRADALE	17
8.4	SPINTA STATICA DEL TERRENO A MONTE DEL MURO	17
8.5	INCREMENTO DI SPINTA SUL MURO DOVUTO AL SISMA	18
9	VERIFICHE GEOTECNICHE E STRUTTURALI.....	20
9.1	METODO DI CULMANN	20
9.2	VERIFICA AL RIBALTAMENTO.....	20
9.3	CAPACITÀ PORTANTE DEL TERRENO DI FONDAZIONE.....	21
9.4	VERIFICA DI STABILITÀ GLOBALE.....	23
9.5	VERIFICHE STRUTTURALI DEL MURO.....	25
10	MURO DI SOSTEGNO OS29 DA PK 0+145 E 0+185 DI SEC. 127.....	26
10.1	SEZIONE 1: PARAMENTO H=6.7 M	26
10.2	SEZIONE 2: PARAMENTO H= 4.1 M	101

1 PREMESSA

La presente relazione ha per oggetto il calcolo ed il dimensionamento del muro OS29 relativo alla progettazione del Lotto 4 del "Collegamento autostradale Ragusa-Catania: ammodernamento a n° 4 corsie della s.s. 514 di Chiaromonte" e della "s.s. 194 ragusana dallo svincolo con la s.s. 115 allo svincolo con la s.s. 114"

Il muro si sviluppa dalla progressiva pk 0+145 e 0+185 di SEC. 127.

Le azioni considerate nel calcolo sono quelle tipiche di una struttura interrata determinate dall'interazione terreno - struttura con l'aggiunta delle azioni sismiche derivanti dall'applicazione della Normativa D.M. del 14 gennaio 2008 - Norme tecniche per le costruzioni.

Le verifiche eseguite nel presente elaborato fanno riferimento allo stesso D.M. del 2008.

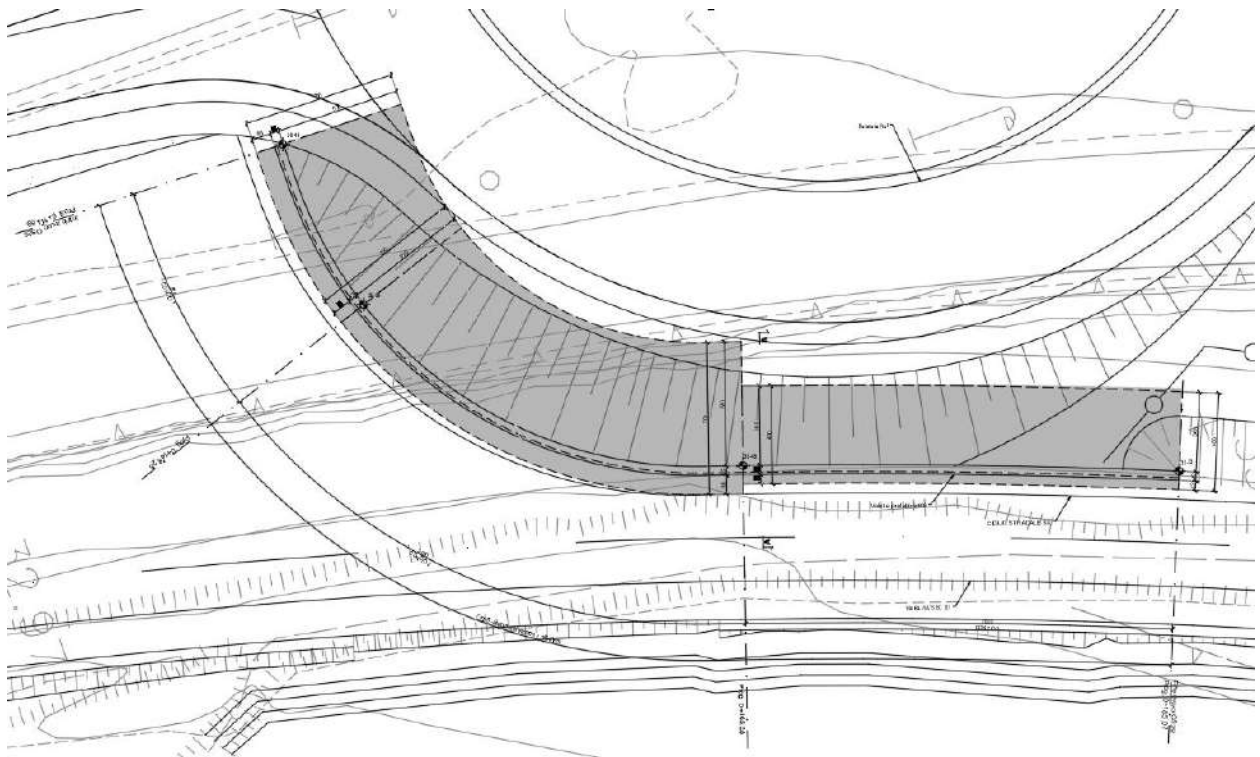


Figura 1. Planimetria dell'opera

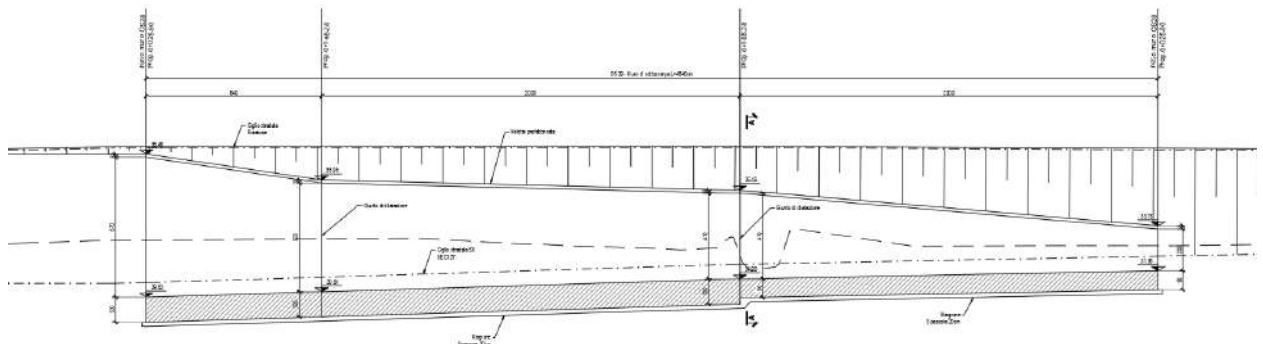


Figura 2. Profilo longitudinale

RELAZIONE DI CALCOLO

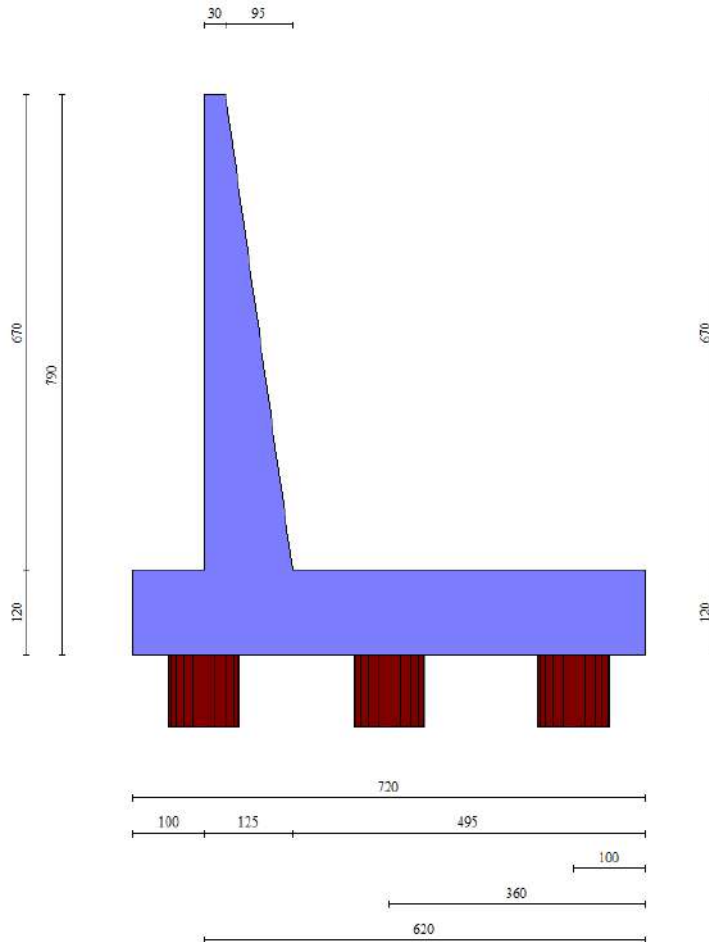


Figura 3: sezione trasversale dell'opera – conco 1

RELAZIONE DI CALCOLO

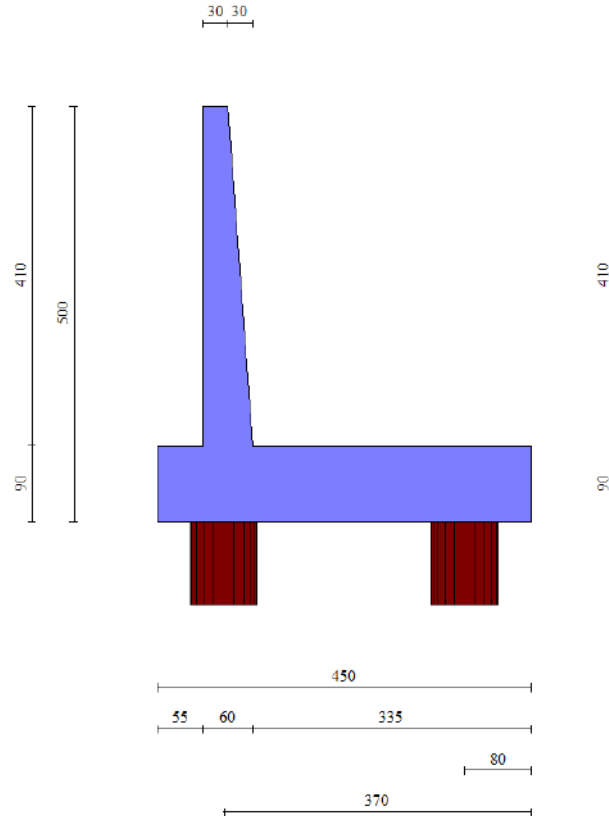


Figura 4 – sezione trasversale dell'opera – concio 2

2 NORMATIVA DI RIFERIMENTO

Il progetto è stato redatto sulla base delle seguenti normative e standard progettuali:

- **D.M. 14 gennaio 2008** – pubblicato su S.O. n. 30 alla G.U. 4 febbraio 2008, n. 29 – “Approvazione delle nuove norme tecniche per le costruzioni”;
- **Circolare n.ro 617 del 2 febbraio 2009** – “Istruzioni per l'applicazione delle Nuove Norme tecniche per le costruzioni di cui al decreto ministeriale 14 gennaio 2008”;
- **UNI EN 1992-1-1:2005**: “Eurocodice 2 – Progettazione delle strutture di calcestruzzo – parte 1 – Regole generali e regole per edifici”;
- **UNI EN 206-1 ottobre 2006** – “Calcestruzzo: specificazione, prestazione, produzione e conformità”;
- **UNI EN 11104 marzo 2004** – “Calcestruzzo: specificazione, prestazione, produzione e conformità”, Istruzioni complementari per l'applicazione delle EN 206-1;

3 CARATTERISTICHE DEI MATERIALI

Calcestruzzo per magrone

Classe di resistenza minima:	C_{min}	C12/15
------------------------------	-----------	--------

Elevazione muri

Conforme alla norma UNI EN 206-1/UNI 11104 cemento resistente ai solfati secondo UNI 9156		Classe di esposizione
		XA2
Classe di resistenza minima:	C_{min}	C32/40
Classe di consistenza	S	S4
Dimensione max aggregati	D_{max}	25 mm
Classe di contenuto in cloruri	Cl	0.20
Copriferro	c	40

Fondazioni

Conforme alla norma UNI EN 206-1/UNI 11104 cemento resistente ai solfati secondo UNI 9156		Classe di esposizione
		XA2
Classe di resistenza minima:	C_{min}	C32/40
Classe di consistenza	S	S4
Dimensione max aggregati	D_{max}	30 mm
Classe di contenuto in cloruri	Cl	0.20
Copriferro	c	40

Pali

Conforme alla norma UNI EN 206-1/UNI 11104 cemento resistente ai solfati secondo UNI 9156		Classe di esposizione XA2
Classe di resistenza minima:	C_{min}	C32/40
Classe di consistenza	S	S4
Dimensione max aggregati	D_{max}	25 mm
Classe di contenuto in cloruri	Cl	0.20
Copriferro	c	60

Armatura ordinaria

Acciaio per armatura ordinaria:		
Acciaio in barre ad aderenza migliorata tipo B450C controllato in stabilimento:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 450 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 540 \text{ N/mm}^2$

Berlinesi di micropali per opere provvisionali

Calcestruzzo: (Conforme alla norma UNI EN 206-1/UNI 11104)		
Classe di resistenza minima:	C_{min}	C25/30
Classe di consistenza	S	S5
Acciaio per carpenteria metallica: (Secondo norma UNI EN 10025)		
Acciaio per micropali - S355J0:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 355 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 510 \text{ N/mm}^2$
Profili commerciali ed elementi non saldati - S275:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 275 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 430 \text{ N/mm}^2$
Calcestruzzo spruzzato (spritz-beton): (Conforme alla norma UNI EN 206-1/UNI 11104)		
Classe di resistenza minima:	C_{min}	C25/30
Classe di consistenza	S	S5
Acciaio per rete elettrosaldata:		
Acciaio in barre ad aderenza migliorata tipo B450A controllato in stabilimento:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 450 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 540 \text{ N/mm}^2$

Tiranti di ancoraggio provvisionali

Boiaccia di cemento: (Conforme alla norma UNI EN 206-1/UNI 11104)		
Classe di resistenza minima:	C_{min}	C25/30
Cemento tipo CEM II / A - L		42.5 R
Acciaio armonico stabilizzato per trefoli:		
Tensione caratteristica di rottura	f_{ptk}	$\geq 1860 \text{ N/mm}^2$
Tensione caratteristica all'1% di deformazione tot	$f_{p(1)k}$	$\geq 1670 \text{ N/mm}^2$

4 CARATTERIZZAZIONE GEOTECNICA

Si riportano i parametri di resistenza e deformabilità assunti nel calcolo in accordo con i risultati dei sondaggi riportati nella relazione geotecnica.

Unità geologiche	descrizione	litotipo	γ	c'	ϕ'	E'
			[kN/m ³]	[kPa]	[°]	[MPa]
Qa	Calcareniti, sabbie e argille siltoso-marnose	Sabbia/Calcareniti	18	30	24	50

Tabella 1: Caratterizzazione geotecnica

Di seguito le sezioni geotecniche di riferimento per l'opera in oggetto.

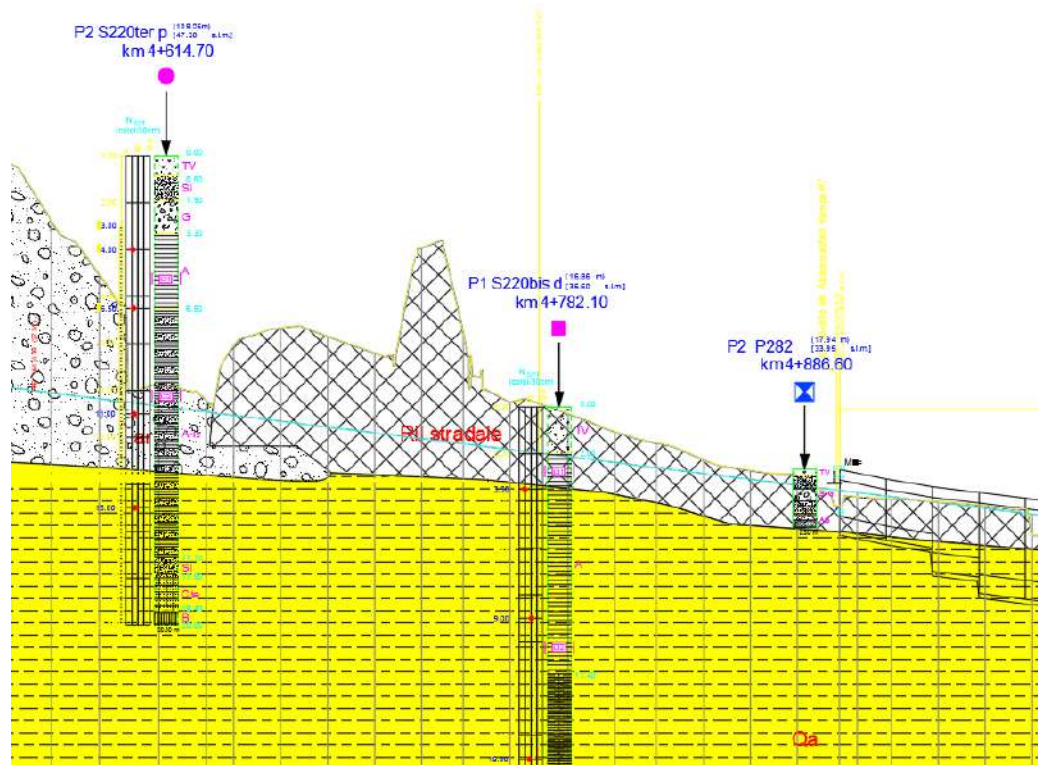


Figura 5: Sezioni geotecniche per l'opera in esame
L'opera non è interessata dalla falda.

5 VITA NOMINALE, CLASSE D'USO E PERIODO DI RIFERIMENTO

La vita nominale di un'opera strutturale V_N è intesa come il numero di anni nel quale la struttura, purché soggetta alla manutenzione ordinaria, deve potere essere usata per lo scopo al quale è destinata.

La costruzione in oggetto è classificabile, secondo il DM 2008, come "*Opera ordinaria, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale*", per la quale viene prevista una vita nominale ≥ 50 anni.

In presenza di azioni sismiche, con riferimento alle conseguenze di una interruzione di operatività o di un eventuale collasso, la costruzione è definita di Classe IV, ossia afferente a "*Costruzioni con funzioni pubbliche o strategiche importanti, anche con riferimento alla gestione della protezione civile in caso di calamità. Industrie con attività particolarmente pericolose per l'ambiente. Reti viarie di tipo A o B, di cui al D.M. 5 novembre 2001, n.6792, "Norme funzionali e geometriche per la costruzione delle strade", e di tipo C quando appartenenti ad itinerari di collegamento tra capoluoghi di provincia non altresì serviti da strade di tipo A o B. Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico. Dighe connesse al funzionamento di acquedotti e a impianti di produzione di energia elettrica.*"

In virtù di quanto affermato, il periodo di riferimento per la valutazione delle azioni sismiche risulta dal prodotto della vita nominale per la classe d'uso:

$$V_R = V_N \cdot C_U = 50 \cdot 2.0 = 100$$

anni,

cui compete un valore del tempo di ritorno pari a:

$$T_R = -\frac{V_R}{\ln(1 - P_{V_R})} = -\frac{100}{\ln(1 - 0.10)} = 949 \quad \text{anni.}$$

6 AZIONE SISMICA DI RIFERIMENTO

Per la caratterizzazione dell'azione sismica sull'opera si è fatto riferimento alle seguenti coordinate geografiche:

Comune	Vizzini
Provincia	Catania
Regione	Sicilia
Latitudine	37.161987
Longitudine	14.750763
Indice punti di interpolazione	49415 - 49637 - 49638 - 49416
Vita nominale	50 anni
Classe d'uso	IV
Tipo costruzione	Normali affollamenti
Vita di riferimento	100 anni

	Simbolo	U.M.		SLU	SLE
Accelerazione al suolo	a_0	[m/s ²]		3.645	1.028
Accelerazione al suolo	a_0/g	[%]		0.372	0.105
Massimo fattore amplificazione spettro orizzontale	F0			2.345	2.340
Periodo inizio tratto spettro a velocità costante	Tc*			0.468	0.297
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		B	1.051	1.200
Categoria topografica - Coefficiente amplificazione topografica	St		T1	1.000	

Tabella 6.1: Parametri sismici per la definizione dello spettro di progetto.

Per le analisi in condizioni sismiche si riferisce ai seguenti parametri:

- vita nominale $V_N = 50$ anni
- classe d'uso IV
- coefficiente d'uso $C_U = 2.0$
- periodo di riferimento per l'azione sismica $V_R = V_N \times C_U = 100$ anni

7 METODO DI CALCOLO

L'analisi strutturale del muro di sostegno a fondazione diretta è stata condotta attraverso modelli di calcolo a mensola con incastro nella platea di fondazione (analisi del paramento) e con incastro nel paramento (analisi della fondazione lato valle e lato monte). Vista la geometria dell'opera a prevalente sviluppo longitudinale e le condizioni al contorno, le analisi e verifiche sono state effettuate prendendo in considerazione una porzione di muro corrispondente ad una larghezza unitaria.

Si riporta inoltre di seguito una breve sintesi della procedura proposta per il calcolo delle spinte orizzontali agenti sulla parete dell'opera di sostegno e delle azioni verticali agenti sulla zattera di fondazione.

7.1 COMBINAZIONI DI CARICO

Per le verifiche dei muri sono state considerate le sollecitazioni risultanti dalle azioni applicate direttamente sull'opera proveniente dalla spinta delle terre e gli eventuali carichi dovuti al traffico.

Le combinazioni di calcolo sono state effettuate secondo quanto disposto dal D. M. 14.01. 2008; in particolare sono state considerate:

combinazione fondamentale (SLU):

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_p \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \dots$$

combinazione sismica:

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

combinazione Frequente (SLE reversibile):

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

combinazione quasi permanente (SLE per gli effetti a lungo termine):

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

La normativa prevede che i diversi set di coefficienti di sicurezza parziali siano scelti nell'ambito di due approcci progettuali distinti ed alternativi definiti, rispettivamente, dalla normativa: "Approccio 1" ed "Approccio 2".

Nella presente progettazione si è adottato l'Approccio 1 che prevede due diverse combinazioni di set di coefficienti: la prima combinazione risulta più severa nei confronti del dimensionamento strutturale delle opere a contatto con il terreno; la seconda combinazione risulta più gravosa nei riguardi del dimensionamento geotecnico. Le combinazioni sono le seguenti:

Combinazione 1: A1+M1+R1 (STR)

Combinazione 2: A2+M2+R2 (GEO).

Le verifiche geotecniche nei confronti delle azioni sismiche sono effettuate impiegando i parametri geotecnici e le resistenze di progetto con i valori dei coefficienti parziali dell'Approccio 2, Combinazione 2 e ponendo pari all'unità i coefficienti parziali sulle azioni.

I coefficienti parziali di sicurezza delle azioni, adottati nelle combinazioni, sono differenti a seconda che le azioni si debbano combinare per verifiche strutturali o geotecniche (rispettivamente A1, A2 e EQU).

		Coefficiente parziale γ_F	EQU ¹	A1 (STR)	A2 (GEO)
carichi permanenti	favorevoli	γ_{G1}	0.90	1.00	1.00
	sfavorevoli		1.10	1.35	1.00
carichi perm. non strutturali ²	favorevoli	γ_{G2}	0.00	0.00	0.00
	sfavorevoli		1.50	1.50	1.30
carichi da traffico	favorevoli	γ_Q	0.00	0.00	0.00
	sfavorevoli		1.35	1.35	1.15
carichi variabili	favorevoli	γ_{Qi}	0.00	0.00	0.00
	sfavorevoli		1.50	1.50	1.30
distorsioni e presollecitazioni di progetto	favorevoli	γ_{e1}	0.90	1.00	1.00
	sfavorevoli		1.00 ³	1.00 ⁴	1.00
ritiro, viscosità, ΔT , cedimenti vincolari	favorevoli	$\gamma_{e2}, \gamma_{e3}, \gamma_{e4}$	0.00	0.00	0.00
	sfavorevoli		1.20	1.20	1.00

¹ se l'equilibrio non coinvolge il terreno, altrimenti si applica GEO

² se risultano compiutamente definiti si possono considerare permanenti

³ 1.30 per instabilità delle strutture precomprese

⁴ 1.20 per effetti locali

Coefficienti parziali di sicurezza per le azioni

Tabella 2.

Ai fini delle verifiche delle fondazioni, sono definiti dei coefficienti parziali per i parametri geotecnici (M1 ed M2) riassunte di seguito:

		Coefficiente parziale γ_M	M1	M2
Tangente dell'angolo di resistenza al taglio	tang φ'_k	$\gamma_{\varphi'}$	1.0	1.25
Coesione efficace	c'_k	$\gamma_{c'}$	1.0	1.25
Resistenza non drenata	c_{uk}	γ_{cu}	1.0	1.4
Peso dell'unità di volume	γ	γ_γ	1.0	1.0

Tabella 3. Coefficienti parziali di sicurezza per i parametri geotecnici

7.2 SOFTWARE DI CALCOLO

Le verifiche geotecniche e strutturali dell'opera di sostegno sono state eseguite mediante il software MAX 16 sviluppato da Aztec.

8 ANALISI DEI CARICHI

8.1 AZIONI DI CALCOLO

Il calcolo è stato condotto tenendo conto delle seguenti azioni agenti sull'opera:

- peso proprio della struttura;
- peso del terreno a monte dell'opera;
- spinta del carico variabile stradale;
- spinte del terreno a monte dell'opera;
- incremento di spinta sismica del terreno a tergo del muro;
- forze di inerzia della struttura e del terreno solidale con l'opera.

Le azioni suddette vengono di seguito esplicitate.

8.2 PESO PROPRIO DELLA STRUTTURA

Il peso dei vari elementi strutturali sono stati calcolato considerando:

Peso specifico calcestruzzo $\gamma_{cis} = 25 \text{ kN/m}^3$

Il terreno preso in considerazione è il terreno gravante sulla platea di fondazione a monte, costituito dal materiale di riempimento il cui peso per unità di volume è pari a $\gamma_t = 19 \text{ kN/m}^3$.

8.3 SPINTA DEL CARICO VARIABILE STRADALE

Intendendo per q il carico variabile per metro lineare di proiezione orizzontale, si determina la spinta orizzontale sulla parete come risultante delle pressioni orizzontali in ogni concio, calcolate come:

$$\sigma_h = q \cdot K$$

Nella progettazione in oggetto, si considera un sovraccarico stradale pari a 20 kN/m^2 .

8.4 SPINTA STATICA DEL TERRENO A MONTE DEL MURO

La teoria di Coulomb considera l'ipotesi di un cuneo di spinta a monte dell'opera che si muove rigidamente lungo una superficie di rottura rettilinea. Dall'equilibrio del cuneo si ricava la spinta che il terreno esercita sull'opera di sostegno. In particolare Coulomb ammette l'esistenza di attrito fra il terreno e la parete, e quindi la retta di spinta risulta inclinata rispetto alla normale alla parete stesso di un angolo di attrito terra-parete.

L'espressione della spinta esercitata da un terrapieno, di peso di volume γ , su una parete di altezza H , risulta espressa secondo la teoria di Coulomb dalla seguente relazione (per terreno incoerente).

$$S = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot K_a$$

K_a rappresenta il coefficiente di spinta attiva di Coulomb nella versione riveduta da Muller-Breslau, espresso come

$$K_a = \frac{\sin^2(\beta + \varphi)}{\sin^2 \beta \cdot \sin(\beta - \delta) \cdot \left[1 + \left(\frac{\sin(\varphi + \delta) \cdot \sin(\varphi - \varepsilon)}{\sin(\beta - \delta) \cdot \sin(\beta + \varepsilon)} \right)^{0.5} \right]^2}$$

dove ϕ è l'angolo d'attrito del terreno, β rappresenta l'angolo che la parete forma con l'orizzontale ($\beta = 90^\circ$ per parete verticale), δ è l'angolo d'attrito terreno-muro, ε è l'inclinazione del terrapieno rispetto all'orizzontale.

La spinta risulta inclinata dell'angolo d'attrito terreno-muro δ rispetto alla normale al muro.

Il diagramma delle pressioni del terreno sulla parete risulta triangolare con il vertice in alto. Il punto di applicazione della spinta si trova in corrispondenza del baricentro del diagramma delle pressioni ($1/3 H$ rispetto alla base della parete).

8.5 INCREMENTO DI SPINTA SUL MURO DOVUTO AL SISMA

In condizioni sismiche l'entità e la distribuzione delle spinte del terreno sul muro dipendono dall'intensità del sisma, dalla risposta locale del terreno di fondazione e dalla deformabilità dell'opera.

Per tener conto dell'incremento di spinta dovuta al sisma si fa riferimento al metodo di Mononobe-Okabe (cui fa riferimento la Normativa Italiana).

La Normativa Italiana suggerisce di tener conto di un incremento di spinta dovuto al sisma nel modo seguente.

Detta ε l'inclinazione del terrapieno rispetto all'orizzontale e β l'inclinazione della parete rispetto alla verticale, si calcola la spinta S' considerando un'inclinazione del terrapieno e della parte pari a

$$\varepsilon' = \varepsilon + \theta \quad \beta' = \beta + \theta$$

dove $\theta = \arctg(k_h/(1 \pm k_v))$ essendo k_h il coefficiente sismico orizzontale e k_v il coefficiente sismico verticale, definito in funzione di k_h .

In presenza di falda a monte, θ assume le seguenti espressioni:

Terreno a bassa permeabilità

$$\theta = \arctan \left(\frac{\gamma_{sat}}{\gamma_{sat} - \gamma_w} \frac{k_h}{1 \pm k_v} \right)$$

Terreno a permeabilità elevata

$$\theta = \arctan \left(\frac{\gamma}{\gamma_{sat} - \gamma_w} \frac{k_h}{1 \pm k_v} \right)$$

Detta S la spinta calcolata in condizioni statiche l'incremento di spinta da applicare è espresso da

$$\Delta S = AS' - S$$

dove il coefficiente A vale

$$A = \frac{\cos^2(\beta + \theta)}{\cos^2 \beta \cos \theta}$$

In presenza di falda a monte, nel coefficiente A si tiene conto dell'influenza dei pesi di volume nel calcolo di θ .

Adottando il metodo di Mononobe-Okabe per il calcolo della spinta, il coefficiente A viene posto pari a 1.

Tale incremento di spinta è applicato a metà altezza della parete di spinta nel caso di forma rettangolare del diagramma di incremento sismico, allo stesso punto di applicazione della spinta statica nel caso in cui la forma del diagramma di incremento sismico è uguale a quella del diagramma statico.

Oltre a questo incremento bisogna tener conto delle forze d'inerzia orizzontali e verticali che si destano per effetto del sisma. Tali forze vengono valutate come

$$F_{iH} = k_h W \quad F_{iV} = \pm k_v W$$

dove W è il peso del muro, del terreno soprastante la mensola di monte ed i relativi sovraccarichi e va applicata nel baricentro dei pesi.

Il metodo di Culmann tiene conto automaticamente dell'incremento di spinta. Basta inserire nell'equazione risolutiva la forza d'inerzia del cuneo di spinta. La superficie di rottura nel caso di sisma risulta meno inclinata della corrispondente superficie in assenza di sisma.

9 VERIFICHE GEOTECNICHE E STRUTTURALI

Il presente paragrafo illustra i criteri generali di verifica adottati per le verifiche geotecniche e strutturali condotte nel progetto. Ulteriori dettagli di carattere specifico, laddove impiegati, sono dichiarati e motivati nelle relative risultanze delle verifiche. Tutte le tipologie di muro sono state verificate: i singoli calcoli hanno riguardato quelle sezioni trasversali che in generale appaiono più onerose nei confronti delle singole verifiche (altezze massime) e quelle più rappresentative.

9.1 METODO DI CULMANN

Il metodo di Culmann adotta le stesse ipotesi di base del metodo di Coulomb. La differenza sostanziale è che mentre Coulomb considera un terrapieno con superficie a pendenza costante e carico uniformemente distribuito (il che permette di ottenere una espressione in forma chiusa per il coefficiente di spinta) il metodo di Culmann consente di analizzare situazioni con profilo di forma generica e carichi sia concentrati che distribuiti comunque disposti. Inoltre, rispetto al metodo di Coulomb, risulta più immediato e lineare tener conto della coesione del masso spingente. Il metodo di Culmann, nato come metodo essenzialmente grafico, si è evoluto per essere trattato mediante analisi numerica (noto in questa forma come metodo del cuneo di tentativo). Come il metodo di Coulomb anche questo metodo considera una superficie di rottura rettilinea.

I passi del procedimento risolutivo sono i seguenti:

- si impone una superficie di rottura (angolo di inclinazione α rispetto all'orizzontale) e si considera il cuneo di spinta delimitato dalla superficie di rottura stessa, dalla parete su cui si calcola la spinta e dal profilo del terreno;
- si valutano tutte le forze agenti sul cuneo di spinta e cioè peso proprio (W), carichi sul terrapieno, resistenza per attrito e per coesione lungo la superficie di rottura (R e C) e resistenza per coesione lungo la parete (A);
- dalle equazioni di equilibrio si ricava il valore della spinta S sulla parete.

Questo processo viene iterato fino a trovare l'angolo di rottura per cui la spinta risulta massima.

La convergenza non si raggiunge se il terrapieno risulta inclinato di un angolo maggiore dell'angolo d'attrito del terreno.

Nei casi in cui è applicabile il metodo di Coulomb (profilo a monte rettilineo e carico uniformemente distribuito) i risultati ottenuti col metodo di Culmann coincidono con quelli del metodo di Coulomb.

Le pressioni sulla parete di spinta si ricavano derivando l'espressione della spinta S rispetto all'ordinata z. Noto il diagramma delle pressioni è possibile ricavare il punto di applicazione della spinta.

9.2 VERIFICA AL RIBALTAMENTO

La verifica al ribaltamento si effettua in sostanza come equilibrio alla rotazione di un corpo rigido sollecitato da un sistema di forze, ciascuna delle quali definita da un'intensità, una direzione e un punto di applicazione.

Le forze che vengono prese in conto sono le seguenti:

- Spinta attiva complessiva del terrapieno a monte.

- Spinta passiva complessiva del terrapieno a valle.
- Spinta idrostatica dell'acqua della falda a monte, a valle e sul fondo.
- Forze esplicite applicate sul muro in testa, sulla mensola area a valle e sulla mensola di fondazione a valle.
- Peso proprio del muro composto con l'eventuale componente sismica.
- Peso proprio della parte di terrapieno solidale con il muro composto con l'eventuale componente sismica.

Di ciascuna di queste forze verrà calcolato il momento, ribaltante o stabilizzante, rispetto ad un punto che è quello più in basso dell'estremità esterna della fondazione a valle.

Ai fini del calcolo del momento stabilizzante o ribaltante, esso per ciascuna forza è ottenuto dal prodotto dell'intensità della forza per la distanza minima tra la linea d'azione della forza e il punto di rotazione.

Il coefficiente di sicurezza al ribaltamento è dato dal rapporto tra il momento stabilizzante complessivo e quello ribaltante.

Deve quindi essere verificata la seguente disequaglianza:

$$\frac{M_s}{M_r} \geq \eta_r$$

Il momento ribaltante M_r è dato dalla componente orizzontale della spinta S , dalle forze di inerzia del muro e del terreno gravante sulla fondazione di monte (caso di presenza di sisma) per i rispettivi bracci. Nel momento stabilizzante interviene il peso del muro (applicato nel baricentro) ed il peso del terreno gravante sulla fondazione di monte. Per quanto riguarda invece la componente verticale della spinta essa sarà stabilizzante se l'angolo d'attrito terra-muro δ è positivo, ribaltante se δ è negativo. δ è positivo quando è il terrapieno che scorre rispetto al muro, negativo quando è il muro che tende a scorrere rispetto al terrapieno (questo può essere il caso di una spalla da ponte gravata da carichi notevoli). Se sono presenti dei tiranti essi contribuiscono al momento stabilizzante.

Questa verifica ha significato solo per fondazione superficiale e non per fondazione su pali.

9.3 CAPACITÀ PORTANTE DEL TERRENO DI FONDAZIONE

Il rapporto fra il carico limite in fondazione e la componente normale della risultante dei carichi trasmessi dal muro sul terreno di fondazione deve essere superiore a η_q . Cioè, detto Q_u , il carico limite ed R la risultante verticale dei carichi in fondazione, deve essere:

$$\frac{Q_u}{R} \geq \eta_q$$

RELAZIONE DI CALCOLO

Si adotta per il calcolo del carico limite in fondazione il metodo di MEYERHOF.

L'espressione del carico ultimo è data dalla relazione:

$$q_u = cN_c s_c d_c i_c + qN_q s_q d_q i_q + 0.5B\gamma N_\gamma s_\gamma d_\gamma i_\gamma$$

In questa espressione:

- c coesione del terreno in fondazione
- ϕ angolo di attrito del terreno in fondazione
- γ peso di volume del terreno in fondazione
- B larghezza della fondazione
- D profondità del piano di posa
- q pressione geostatica alla quota del piano di posa
- N fattori di capacità portante
- d fattori di profondità del piano di posa
- i fattori di inclinazione del carico

Fattori di capacità portante		$N_c = (N_q - 1) \cot \phi$	$N_q = e^{\pi \tan \phi} K_p$	$N_\gamma = (N_q - 1) \tan(1.4\phi)$
Fattori di forma	$\phi = 0$	$s_c = 1 + 0.2K_p \frac{B'}{L'}$	$s_q = 1$	$s_\gamma = 1$
	$\phi > 0$	$s_c = 1 + 0.2K_p \frac{B'}{L'}$	$s_q = 1 + 0.1K_p \frac{B'}{L'}$	$s_\gamma = 1 + 0.1K_p \frac{B'}{L'}$
Fattori di profondità	$\phi = 0$	$d_c = 1 + 0.2 \frac{D}{B} \sqrt{K_p}$	$d_q = 1$	$d_\gamma = 1$
	$\phi > 0$	$d_c = 1 + 0.2 \frac{D}{B} \sqrt{K_p}$	$d_q = 1 + 0.1 \frac{D}{B} \sqrt{K_p}$	$d_\gamma = 1 + 0.1 \frac{D}{B} \sqrt{K_p}$
Fattori di inclinazione del carico	$\phi = 0$	$i_c = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_q = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_\gamma = 0$
	$\phi > 0$	$i_c = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_q = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_\gamma = \left(1 - \frac{\theta^\circ}{\phi^\circ}\right)^2$

Indichiamo con K_p il coefficiente di spinta passiva espresso da:

$$K_p = \tan^2 \left(45^\circ + \frac{\phi}{2} \right)$$

Riduzione per eccentricità del carico

Nel caso in cui il carico al piano di posa della fondazione risulta eccentrico, Meyerhof propone di moltiplicare la capacità portante ultima per un fattore correttivo R_e .

$R_e = 1.0 - 2.0 \frac{e}{B}$	per terreni coesivi
-------------------------------	---------------------

RELAZIONE DI CALCOLO

$R_e = 1.0 - \sqrt{\frac{e}{B}}$	per terreni incoerenti
----------------------------------	------------------------

con e eccentricità del carico e B la dimensione minore della fondazione.

Riduzione per effetto piastra

Per valori elevati di B (dimensione minore della fondazione), Bowles propone di utilizzare un fattore correttivo r_γ del solo termine sul peso di volume ($0.5 B \gamma N_\gamma$) quando B supera i 2 m.

$$r_\gamma = 1.0 + 0.25 \log \frac{B}{2.0}$$

Il termine sul peso di volume diventa:

$$0.5 B \gamma N_\gamma r_\gamma$$

9.4 VERIFICA DI STABILITÀ GLOBALE

La verifica alla stabilità globale del complesso muro+terreno deve fornire un coefficiente di sicurezza non inferiore a η_g .

Viene usata la tecnica della suddivisione a strisce della superficie di scorrimento da analizzare. La superficie di scorrimento viene supposta circolare e determinata in modo tale da non avere intersezione con il profilo del muro. Si determina il minimo coefficiente di sicurezza su una maglia di centri di dimensioni 10x10 posta in prossimità della sommità del muro. Il numero di strisce è pari a 25.

Si adotta per la verifica di stabilità globale il metodo di Bishop.

Il coefficiente di sicurezza nel metodo di Bishop si esprime secondo la seguente formula:

$$\eta = \frac{\sum_{i=0}^n \left[\frac{c_i b_i + (W_i - u_i b_i) \tan \phi_i}{m} \right]}{\sum_{i=0}^n W_i \sin \alpha_i}$$

dove il termine m è espresso da

$$m = \left(1 + \frac{\tan \phi_i \tan \alpha_i}{\eta} \right) \cos \alpha_i$$

In questa espressione n è il numero delle strisce considerate, b_i e α_i sono la larghezza e l'inclinazione della base della striscia i -esima rispetto all'orizzontale, W_i è il peso della striscia i -esima, c_i e ϕ_i sono le

caratteristiche del terreno (coesione ed angolo di attrito) lungo la base della striscia ed u_i è la pressione neutra lungo la base della striscia.

L'espressione del coefficiente di sicurezza di Bishop contiene al secondo membro il termine m che è funzione di η . Quindi essa viene risolta per successive approssimazioni assumendo un valore iniziale per η da inserire nell'espressione di m ed iterare fin quando il valore calcolato coincide con il valore assunto.

9.5 VERIFICHE STRUTTURALI DEL MURO

Le verifiche strutturali sono state eseguite allo SLU e allo SLE con riferimento alle azioni normali (sforzo N e momento flettente M) e alle azioni taglianti della combinazione di calcolo più gravosa ricavata dall'analisi geotecnica condotta sul muro.

Le verifiche sono state condotte sui seguenti elementi strutturali costituenti il muro:

Paramento verticale;

Zattera di fondazione.

10 MURO DI SOSTEGNO OS29 DA PK 0+145 E 0+185 DI SEC. 127.

10.1 SEZIONE 1: PARAMENTO H=6.7 M

Si riportano i dati di input per la sezione in oggetto

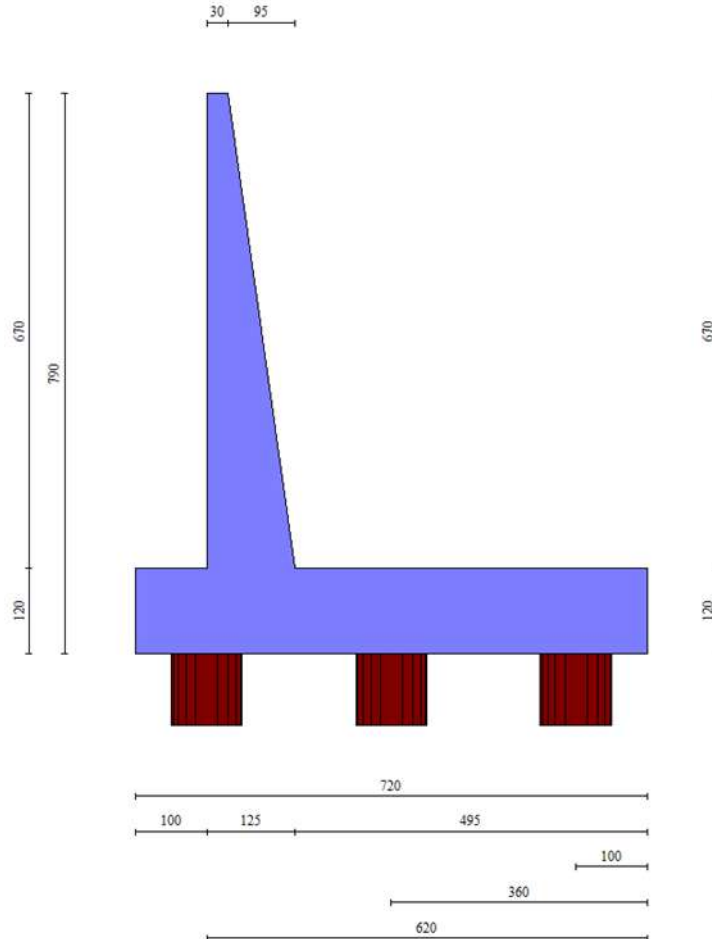


Fig. 1 - Sezione quotata del muro

Dati

Materiali

Simbologia adottata

n°	Indice materiale
Descr	Descrizione del materiale
Calcestruzzo armato	
C	Classe di resistenza del cls
A	Classe di resistenza dell'acciaio
γ	Peso specifico, espresso in [kN/mc]
R _{ck}	Resistenza caratteristica a compressione, espressa in [kPa]
E	Modulo elastico, espresso in [kPa]
ν	Coeff. di Poisson
n	Coeff. di omogenizzazione acciaio/cls
ntc	Coeff. di omogenizzazione cls teso/compresso

Calcestruzzo armato

n°	Descr	C	A	γ [kN/mc]	R _{ck} [kPa]	E [kPa]	ν	n	ntc
1	C32/40	C32/40	B450C	24.5170	40000	33642648	0.30	15.00	0.50

Acciai

Descr	f _{yk} [kPa]	f _{uk} [kPa]
B450C	450000	540000

Tipologie pali

Simbologia adottata

n°	Indice tipologia palo
Descr	Descrizione tipologia palo
P	Contributo portanza palo (laterale e/o punta)
T	Tecnologia costruttiva (trivellato, infisso o elica continua)
V	Vincolo palo-fondazione: Cerniera o Incastro (libero o impedito di ruotare in testa)
Imat	Indice materiale che lo costituisce
BD	usa metodo di Bustamante-Doix
PN	Portanza nota
Pp, Pl	Portanza di punta e laterale caratteristica, espressa in [kN]

n°	Descr	P	T	V	Imat	BD	PN	Pp	Pl
1	Tipologia palo	Laterale + Punta	Trivellato	Incastro	1	NO	NO	--	--

Geometria profilo terreno a monte del muro

Simbologia adottata

(Sistema di riferimento con origine in testa al muro, ascissa X positiva verso monte, ordinata Y positiva verso l'alto)

n°	numero ordine del punto
X	ascissa del punto espressa in [m]
Y	ordinata del punto espressa in [m]
A	inclinazione del tratto espressa in [°]

n°	X [m]	Y [m]	A [°]
1	0.00	0.00	0.000
2	30.00	0.00	0.000

Inclinazione terreno a valle del muro rispetto all'orizzontale 0.000 [°]

Geometria muro

Geometria paramento e fondazione

Lunghezza muro	29.00	[m]
<u>Paramento</u>		
Materiale	C32/40	
Altezza paramento	6.70	[m]
Altezza paramento libero	6.70	[m]
Spessore in sommità	0.30	[m]
Spessore all'attacco con la fondazione	1.25	[m]
Inclinazione paramento esterno	0.00	[°]
Inclinazione paramento interno	8.10	[°]
<u>Fondazione</u>		
Materiale	C32/40	
Lunghezza mensola di valle	1.00	[m]
Lunghezza mensola di monte	4.95	[m]
Lunghezza totale	7.20	[m]
Inclinazione piano di posa	0.00	[°]
Spessore	1.20	[m]
Spessore magrone	0.00	[m]

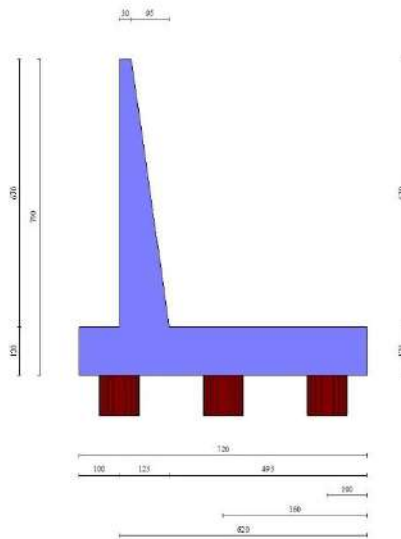


Fig. 1 - Sezione quotata del muro

Descrizione pali di fondazione

Simbologia adottata

- n° numero d'ordine della fila
- X ascissa della fila misurata dallo spigolo di monte della fondazione espressa in [m]
- I interasse tra i pali, espressa in [m]
- f franco laterale (distanza minima dal bordo laterale), espressa in [m]
- Np Numero di pali della fila
- D diametro dei pali della fila espresso in [cm]
- L lunghezza dei pali della fila espressa in [m]
- α inclinazione dei pali della fila rispetto alla verticale espressa in [°]
- ALL allineamento dei pali della fila rispetto al baricentro della fondazione (CENTRATI o SFALSATI)

n°	Tipologia	X [m]	I [m]	f [m]	Np	D [cm]	L [m]	α [°]	ALL
1	Tipologia palo	1.00	3.00	0.00	10	100.00	40.00	0.00	Sfalsati
2	Tipologia palo	3.60	3.00	0.00	9	100.00	40.00	0.00	Centrati

RELAZIONE DI CALCOLO

n°	Tipologia	X [m]	I [m]	f [m]	Np	D [cm]	L [m]	α [°]	ALL
3	Tipologia palo	6.20	3.00	0.00	10	100.00	40.00	0.00	Sfalsati

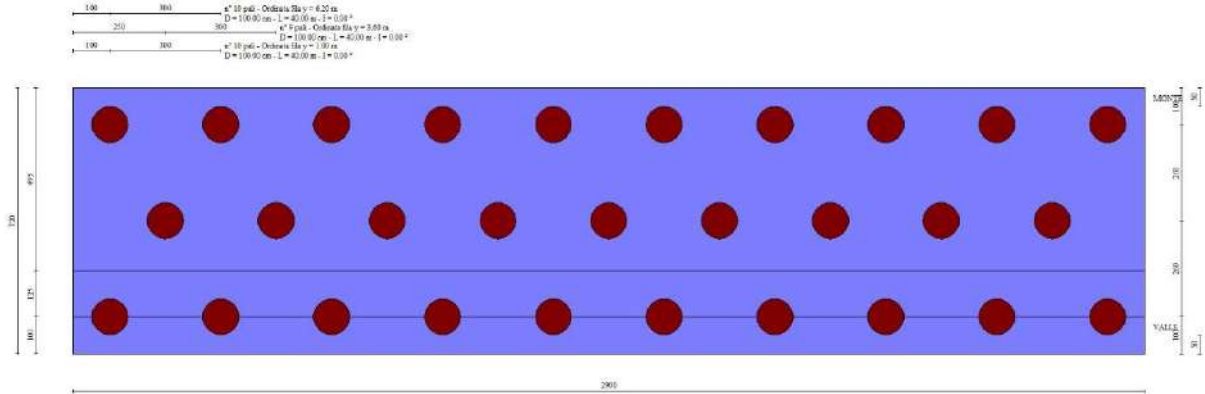


Fig. 2 - Pianta pali

Descrizione terreni

Parametri di resistenza

Simbologia adottata

- n° Indice del terreno
- Descr Descrizione terreno
- γ Peso di volume del terreno espresso in [kN/mc]
- γ_{sat} Peso di volume saturo del terreno espresso in [kN/mc]
- φ Angolo d'attrito interno espresso in [°]
- δ Angolo d'attrito terra-muro espresso in [°]
- c Coesione espressa in [kPa]
- ca Adesione terra-muro espressa in [kPa]
- Per calcolo portanza con il metodo di Bustamante-Doix
- Cesp Coeff. di espansione laterale (solo per il metodo di Bustamante-Doix)
- τ_l Tensione tangenziale limite, espressa in [kPa]

n°	Descr	γ [kN/mc]	γ _{sat} [kN/mc]	φ [°]	δ [°]	c [kPa]	ca [kPa]	Cesp	τ _l [kPa]	
1	RILEVATO	19.0000	19.0000	35.000	23.330	0	0	1.000	0	(CAR)
				37.000	24.667	0	0			(MIN)
				38.000	25.333	0	0			(MED)
2	Qa	18.0000	18.0000	24.000	16.000	30	15	1.000	0	(CAR)
				24.000	16.000	30	15			(MIN)
				27.000	18.000	32	16			(MED)
3	Qc (a)	18.0000	18.0000	40.000	26.670	0	0	1.000	0	(CAR)
				40.000	26.667	0	0			(MIN)
				45.000	30.000	0	0			(MED)

Stratigrafia

Simbologia adottata

- n° Indice dello strato
- H Spessore dello strato espresso in [m]
- α Inclinazione espressa in [°]
- Terreno Terreno dello strato
- K_{wn}, K_{wt} Costante di Winkler normale e tangenziale alla superficie espressa in Kg/cm²/cm
- Per calcolo pali (solo se presenti)
- K_w Costante di Winkler orizzontale espressa in Kg/cm²/cm
- K_s Coefficiente di spinta
- Cesp Coefficiente di espansione laterale (per tutti i metodi tranne il metodo di Bustamante-Doix)

RELAZIONE DI CALCOLO

Per calcolo della spinta con coeff. di spinta definiti (usati solo se attiva l'opzione 'Usa coeff. di spinta da strato')
Kst_{sta}, Kst_{sis} Coeff. di spinta statico e sismico

n°	H [m]	α [°]	Terreno	K _{wn} [Kg/cm ²]	K _{wt} [Kg/cm ²]	K _w [Kg/cm ²]	K _s	Cesp	Kst _{sta}	Kst _{sis}
1	7.90	0.000	RILEVATO	0.000	0.000	0.000	0.000	1.000	---	---
2	60.00	0.000	Qa	0.000	0.000	0.000	0.000	1.000	---	---

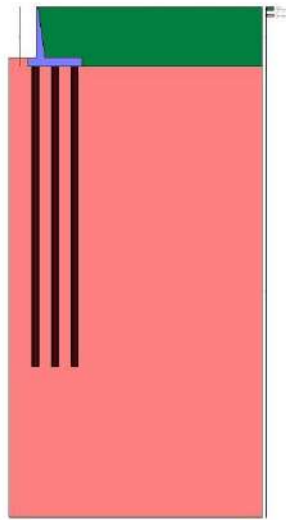


Fig. 3 - Stratigrafia

Condizioni di carico

Simbologia adottata

Carichi verticali positivi verso il basso.
Carichi orizzontali positivi verso sinistra.
Momento positivo senso antiorario.

- X Ascissa del punto di applicazione del carico concentrato espressa in [m]
- F_x Componente orizzontale del carico concentrato espressa in [kN]
- F_y Componente verticale del carico concentrato espressa in [kN]
- M Momento espresso in [kNm]
- X_i Ascissa del punto iniziale del carico ripartito espressa in [m]
- X_f Ascissa del punto finale del carico ripartito espressa in [m]
- Q_i Intensità del carico per x=X_i espressa in [kN]
- Q_f Intensità del carico per x=X_f espressa in [kN]

Condizione n° 1 (Condizione 1) - VARIABILE

Coeff. di combinazione $\Psi_0=1.00 - \Psi_1=1.00 - \Psi_2=1.00$

Carichi sul terreno

n°	Tipo	X [m]	F _x [kN]	F _y [kN]	M [kNm]	X _i [m]	X _f [m]	Q _i [kN]	Q _f [kN]
1	Distribuito					0.00	20.00	20.0000	20.0000

Normativa

Normativa usata: **Norme Tecniche sulle Costruzioni 2008 (D.M. 14.01.2008) - Approccio 2 + Circolare C.S.LL.PP. 02/02/2009 n.617**

Coeff. parziali per le azioni o per l'effetto delle azioni

Carichi	Effetto	Combinazioni statiche				Combinazioni sismiche		
		HYD	UPL	EQU	A1	A2	EQU	A1

Carichi	Effetto		Combinazioni statiche					Combinazioni sismiche		
			HYD	UPL	EQU	A1	A2	EQU	A1	A2
Permanenti strutturali	Favorevoli	$\gamma_{G1,fav}$	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Permanenti strutturali	Sfavorevoli	$\gamma_{G1,sfav}$	1.30	1.10	1.10	1.30	1.00	1.00	1.00	1.00
Permanenti non strutturali	Favorevoli	$\gamma_{G2,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Permanenti non strutturali	Sfavorevoli	$\gamma_{G2,sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili	Favorevoli	$\gamma_{Q1,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili	Sfavorevoli	$\gamma_{Q1,sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili da traffico	Favorevoli	$\gamma_{QT1,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili da traffico	Sfavorevoli	$\gamma_{QT1,sfav}$	1.50	1.50	1.35	1.35	1.15	1.00	1.00	1.00

Coeff. parziali per i parametri geotecnici del terreno

Parametro		Combinazioni statiche		Combinazioni sismiche	
		M1	M2	M1	M2
Tangente dell'angolo di attrito	$\gamma_{\tan(\phi')}$	1.00	1.25	1.00	1.25
Coesione efficace	$\gamma_{c'}$	1.00	1.25	1.00	1.25
Resistenza non drenata	γ_{cu}	1.00	1.40	1.00	1.40
Peso nell'unità di volume	γ_{γ}	1.00	1.00	1.00	1.00

Coeff. parziali γ_R per le verifiche agli stati limite ultimi STR e GEO

Verifica	Combinazioni statiche			Combinazioni sismiche		
	R1	R2	R3	R1	R2	R3
Capacità portante	--	--	1.40	--	--	1.20
Scorrimento	--	--	1.10	--	--	1.00
Resistenza terreno a valle	--	--	1.40	--	--	1.20
Ribaltamento	--	--	1.00	--	--	1.00
Stabilità fronte di scavo	--	1.10	--	--	1.20	--

Carichi verticali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

Resistenza		Pali infissi			Pali trivellati			Pali ad elica continua		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
Punta	γ_b	--	--	1.15	--	--	1.35	--	--	1.30
Laterale compressione	γ_s	--	--	1.15	--	--	1.15	--	--	1.15
Totale compressione	γ_t	--	--	1.15	--	--	1.30	--	--	1.25
Laterale trazione	γ_{st}	--	--	1.25	--	--	1.25	--	--	1.25

Carichi trasversali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

		R1	R2	R3
Trasversale	γ_t	--	--	1.30

Coefficienti di riduzione ζ per la determinazione della resistenza caratteristica dei pali

Numero di verticali indagate 1

$\zeta_3=1.70$ $\zeta_4=1.70$

Descrizione combinazioni di carico

Con riferimento alle azioni elementari prima determinate, si sono considerate le seguenti combinazioni di carico:

- Combinazione fondamentale, impiegata per gli stati limite ultimi (SLU):

$$\gamma_{G1} G_1 + \gamma_{G2} G_2 + \gamma_{Q1} Q_{k1} + \gamma_{Q2} Q_{k2} + \gamma_{Q3} Q_{k3} + \dots$$

- Combinazione sismica, impiegata per gli stati limite ultimi connessi all'azione sismica E:

$$E + G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

I valori dei coeff. $\Psi_{0,j}$, $\Psi_{1,j}$, $\Psi_{2,j}$ sono definiti nelle singole condizioni variabili.

I valori dei coeff. γ_G e γ_Q , sono definiti nella tabella normativa.

In particolare si sono considerate le seguenti combinazioni:

Simbologia adottata

γ Coefficiente di partecipazione della condizione
 Ψ Coefficiente di combinazione della condizione

Combinazione n° 1 - STR (A1-M1-R3)

RELAZIONE DI CALCOLO

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole

Combinazione n° 2 - STR (A1-M1-R3) H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 3 - GEO (A2-M2-R2)

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 4 - GEO (A2-M2-R2) H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Dati sismici

Comune	Vizzini
Provincia	Catania
Regione	Sicilia
Latitudine	37.161987
Longitudine	14.750763
Indice punti di interpolazione	49415 - 49637 - 49638 - 49416
Vita nominale	50 anni
Classe d'uso	IV
Tipo costruzione	Normali affollamenti
Vita di riferimento	100 anni

	Simbolo	U.M.	SLU	SLE
Accelerazione al suolo	a_g	[m/s ²]	3.645	1.028
Accelerazione al suolo	a_g/g	[%]	0.372	0.105
Massimo fattore amplificazione spettro orizzontale	F0		2.345	2.340
Periodo inizio tratto spettro a velocità costante	Tc*		0.468	0.297
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		B	1.051
Categoria topografica - Coefficiente amplificazione topografica	St		T1	1.000

Stato limite ...	Coeff. di riduzione β_m	kh [%]	kv [%]
Ultimo	1.000	39.050	19.525
Esercizio	1.000	12.574	6.287

Nel calcolo non è stato portato in conto il sisma verticale
Forma diagramma incremento sismico **Rettangolare**

Opzioni di calcolo

Spinta

Metodo di calcolo della spinta	Mononobe-Okabe
Tipo di spinta	Spinta a riposo
Terreno a bassa permeabilità	SI
Superficie di spinta limitata	NO

Stabilità globale

Metodo di calcolo della stabilità globale	Bishop
---	--------

Altro

Partecipazione spinta passiva terreno antistante	0.00
Partecipazione resistenza passiva dente di fondazione	50.00

RELAZIONE DI CALCOLO

Componente verticale della spinta nel calcolo delle sollecitazioni NO
 Considera terreno sulla fondazione di valle SI
 Considera spinta e peso acqua fondazione di valle NO

Spostamenti

Modello a blocchi
 Non è stato richiesto il calcolo degli spostamenti
 Spostamento limite 5.00 [cm]

Opzioni calcolo pali

Portanza verticale

Metodo di calcolo della portanza alla punta Meyerhof
 Metodo di calcolo della portanza alla laterale Integrazione delle tensioni tangenziali ($k_s \sigma_v \tan(\delta) + c_a$)
 Correzione angolo di attrito in funzione del tipo di palo (infisso/trivellato) Non attiva
 Andamento pressione verticale nel calcolo della portanza alla punta σ_v con la profondità Pressione geostatica
 Andamento pressione verticale nel calcolo della portanza laterale Pressione geostatica

Portanza trasversale

Costante di Winkler: costante pari a 1.00 [Kg/cm²/cm]

Criterio rottura palo-terreno

- Spostamento limite Non attivo
 - Pressione limite Pressione passiva con moltiplicatore M=3.00
 - Palo infinitamente elastico Non attivo

Cedimenti

Metodo di calcolo Metodo agli elementi finiti
 Spostamento limite alla punta 1.00 [cm]
 Spostamento limite laterale 0.50 [cm]

Specifiche per le verifiche nelle combinazioni allo Stato Limite Ultimo (SLU)

	SLU	Eccezionale
Coefficiente di sicurezza calcestruzzo a compressione	1.50	1.00
Coefficiente di sicurezza acciaio	1.15	1.00
Fattore di riduzione da resistenza cubica a cilindrica	0.83	0.83
Fattore di riduzione per carichi di lungo periodo	0.85	0.85
Coefficiente di sicurezza per la sezione	1.00	1.00

Risultati per involucro

Spinta e forze

Simbologia adottata

Ic	Indice della combinazione
A	Tipo azione
I	Inclinazione della spinta, espressa in [°]
V	Valore dell'azione, espressa in [kN]
C _x , C _y	Componente in direzione X ed Y dell'azione, espressa in [kN]
P _x , P _y	Coordinata X ed Y del punto di applicazione dell'azione, espressa in [m]

Ic	A	V [kN]	I [°]	C _x [kN]	C _y [kN]	P _x [m]	P _y [m]
1	Spinta statica	296.43	23.33	272.20	117.40	5.90	-4.79
	Peso/Inerzia muro			0.00	339.53/0.00	1.49	-6.07
	Peso/Inerzia terrapieno			0.00	690.83/0.00	3.18	-3.25
	Resistenza pali			-849.96			
2	Spinta statica	228.03	23.33	209.38	90.30	5.90	-4.79
	Incremento di spinta sismica		338.61	310.92	134.10	5.90	-3.95
	Peso/Inerzia muro			132.59	339.53/0.00	1.49	-6.07
	Peso/Inerzia terrapieno			269.77	690.83/0.00	3.18	-3.25
	Resistenza pali			-955.09			

Risultanti globali

Simbologia adottata

Cmb	Indice/Tipo combinazione
N	Componente normale al piano di posa, espressa in [kN]
T	Componente parallela al piano di posa, espressa in [kN]
M _r	Momento ribaltante, espresso in [kNm]
M _s	Momento stabilizzante, espresso in [kNm]
ecc	Eccentricità risultante, espressa in [m]

Ic	N [kN]	T [kN]	M _r [kNm]	M _s [kNm]	ecc [m]
1 - STR (A1-M1-R3)	1147.75	272.20	847.42	4889.48	0.080
2 - STR (A1-M1-R3)	1254.76	922.66	3376.13	5660.31	1.781
3 - GEO (A2-M2-R2)	1118.55	255.60	783.56	4679.10	0.119
4 - GEO (A2-M2-R2)	1243.12	1019.01	3705.85	5576.49	2.097

Scarichi in testa ai pali

Simbologia adottata

Cmb	Indice/Tipo combinazione
I _p	Indice palo
N	Sforzo normale, espresso in [kN]
M	Momento, espresso in [kNm]
T	Taglio, espresso in [kN]

Cmb	I _p	N [kN]	M [kNm]	T [kN]
1 - STR (A1-M1-R3)	1	756.55	-607.54	-272.20
	2	1147.75	-607.54	-272.20
	3	1538.95	-607.54	-272.20
2 - STR (A1-M1-R3) H	1	-1058.81	-1898.82	-922.66
	2	1269.94	-1898.82	-922.66
	3	3554.66	-1898.82	-922.66

Verifiche geotecniche

Quadro riassuntivo coeff. di sicurezza calcolati

Simbologia adottata

Cmb	Indice/Tipo combinazione
S	Sisma (H: componente orizzontale, V: componente verticale)
FS _{SCO}	Coeff. di sicurezza allo scorrimento
FS _{RIB}	Coeff. di sicurezza al ribaltamento

RELAZIONE DI CALCOLO

FS_{QLIM} Coeff. di sicurezza a carico limite
FS_{STAB} Coeff. di sicurezza a stabilità globale
FS_{HYD} Coeff. di sicurezza a sifonamento
FS_{SUP} Coeff. di sicurezza a sollevamento

Cmb	Sismica	FS _{sco}	FS _{RIB}	FS _{QLIM}	FS _{STAB}	FS _{HYD}	FS _{SUP}
1 - STR (A1-M1-R3)		3.123					
2 - STR (A1-M1-R3)	H	1.035					
3 - GEO (A2-M2-R2)					4.734		
4 - GEO (A2-M2-R2)	H				1.946		

Verifiche portanza trasversale (scorrimento)

Simbologia adottata

Ic Indice/Tipo combinazione
Ip Indice palo
T Carico orizzontale agente alla testa del palo, espresso in [kN]
Td Portanza trasversale di progetto, espresso in [kN]
FS_o Fattore di sicurezza (Td/T)

Ic	Ip	T [kN]	Td [kN]	FS _o
1 - STR (A1-M1-R3)	1	-272.20	965.60	3.547
	2	-272.20	849.96	3.123
	3	-272.20	849.96	3.123
2 - STR (A1-M1-R3) H	1	-922.66	1047.27	1.135
	2	-922.66	955.09	1.035
	3	-922.66	955.09	1.035

Verifiche portanza verticale

Simbologia adottata

Ic Indice/Tipo combinazione
Ip Indice palo
N Carico verticale agente alla testa del palo, espresso in [kN]
Pd Portanza di progetto, espresso in [kN]
FS_v Fattore di sicurezza (Pd/N)

Ic	Ip	N [kN]	Pd [kN]	FS _v
1 - STR (A1-M1-R3)	1	756.55	3555.17	4.699
	2	1147.75	3555.17	3.098
	3	1538.95	3555.17	2.310
2 - STR (A1-M1-R3) H	1	-1058.81	1657.26	1.565
	2	1269.94	3555.17	2.799
	3	3554.66	3555.17	1.000
2 - STR (A1-M1-R3) H	1	-1058.81	1657.26	1.565
	2	1269.94	3555.17	2.799
	3	3554.66	3555.17	1.000

Dettagli calcolo portanza verticale

Simbologia adottata

n° Indice palo
N_c, N_q Coeff. di capacità portante
N'_c, N'_q Coeff. di capacità portante corretti
Z_c Massima profondità andamento pressione geostatica, espressa in [m]
P_p, P_l Portanza di punta e laterale caratteristica, espresse in [kN]
A Attrito negativo, espresso in [kN]
W_p Peso palo, espresso in [kN]

n°	N _c	N' _c	N _q	N' _q	Z _c [m]	P _p [kN]	P _l [kN]	A [kN]	W _p [kN]
1	23.942	55.205	13.199	16.529	--	10734.20 7714.01	2010.62 1884.96	0.00	770.22
2	23.942	55.205	13.199	16.529	--	10734.20 7714.01	2010.62 1884.96	0.00	770.22
3	23.942	55.205	13.199	16.529	--	10734.20 7714.01	2010.62 1884.96	0.00	770.22

Verifica stabilità globale muro + terreno

Simbologia adottata

Ic	Indice/Tipo combinazione
C	Centro superficie di scorrimento, espresso in [m]
R	Raggio, espresso in [m]
FS	Fattore di sicurezza

Ic	C	R	FS
	[m]	[m]	
3 - GEO (A2-M2-R2)	-3.00; 4.50	15.28	4.734
4 - GEO (A2-M2-R2) H	-2.50; 4.50	33.24	1.946

Dettagli strisce verifiche stabilità

Simbologia adottata

Le ascisse X sono considerate positive verso monte	
Le ordinate Y sono considerate positive verso l'alto	
Origine in testa al muro (spigolo contro terra)	
W	peso della striscia espresso in [kN]
Qy	carico sulla striscia espresso in [kN]
Qf	carico acqua sulla striscia espresso in [kN]
α	angolo fra la base della striscia e l'orizzontale espresso in [°] (positivo antiorario)
ϕ	angolo d'attrito del terreno lungo la base della striscia
c	coesione del terreno lungo la base della striscia espressa in [kPa]
b	larghezza della striscia espressa in [m]
u	pressione neutra lungo la base della striscia espressa in [kPa]
Tx; Ty	Resistenza al taglio fornita dai tiranti in direzione X ed Y espressa in [kPa]

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
1	23.19	0.00	0.00	11.61 - 1.00	67.711	29.256	0	0.0	
2	62.39	0.00	0.00	1.00	59.300	29.256	0	0.0	
3	90.81	0.00	0.00	1.00	52.537	29.256	0	0.0	
4	113.31	0.00	0.00	1.00	46.714	29.256	0	0.0	
5	131.80	0.00	0.00	1.00	41.472	29.256	0	0.0	
6	149.21	0.00	0.00	1.00	36.629	29.256	0	0.0	
7	166.39	0.00	0.00	1.00	32.076	19.605	24	0.0	
8	176.77	0.00	0.00	1.00	27.741	19.605	24	0.0	
9	185.43	0.00	0.00	1.00	23.574	19.605	24	0.0	
10	192.56	0.00	0.00	1.00	19.535	19.605	24	0.0	
11	200.63	0.00	0.00	1.00	15.596	19.605	24	0.0	
12	216.78	0.00	0.00	1.00	11.731	19.605	24	0.0	
13	77.79	0.00	0.00	1.00	7.921	19.605	24	0.0	
14	73.72	0.00	0.00	1.00	4.145	19.605	24	0.0	
15	74.43	0.00	0.00	1.00	0.387	19.605	24	0.0	
16	73.96	0.00	0.00	1.00	-3.369	19.605	24	0.0	
17	72.30	0.00	0.00	1.00	-7.140	19.605	24	0.0	
18	69.43	0.00	0.00	1.00	-10.942	19.605	24	0.0	
19	65.31	0.00	0.00	1.00	-14.794	19.605	24	0.0	
20	59.88	0.00	0.00	1.00	-18.716	19.605	24	0.0	
21	53.06	0.00	0.00	1.00	-22.732	19.605	24	0.0	
22	44.72	0.00	0.00	1.00	-26.870	19.605	24	0.0	
23	34.71	0.00	0.00	1.00	-31.166	19.605	24	0.0	
24	22.71	0.00	0.00	1.00	-35.669	19.605	24	0.0	
25	7.87	0.00	0.00	-13.40 - 1.00	-40.042	19.605	24	0.0	

Resistenza al taglio pali 1645.82 [kN]

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
1	219.54	0.00	0.00	30.44 - 2.57	74.066	29.256	0	0.0	
2	545.59	0.00	0.00	2.57	61.401	19.605	24	0.0	
3	733.67	0.00	0.00	2.57	53.079	19.605	24	0.0	
4	874.69	0.00	0.00	2.57	46.188	19.605	24	0.0	
5	986.66	0.00	0.00	2.57	40.091	19.605	24	0.0	
6	1077.53	0.00	0.00	2.57	34.506	19.605	24	0.0	
7	1151.70	0.00	0.00	2.57	29.277	19.605	24	0.0	
8	1211.85	0.00	0.00	2.57	24.306	19.605	24	0.0	
9	1259.76	0.00	0.00	2.57	19.524	19.605	24	0.0	
10	1285.39	0.00	0.00	2.57	14.881	19.605	24	0.0	
11	1340.26	0.00	0.00	2.57	10.336	19.605	24	0.0	
12	1373.73	0.00	0.00	2.57	5.857	19.605	24	0.0	
13	1026.63	0.00	0.00	2.57	1.414	19.605	24	0.0	
14	1018.97	0.00	0.00	2.57	-3.021	19.605	24	0.0	
15	1008.04	0.00	0.00	2.57	-7.474	19.605	24	0.0	
16	987.64	0.00	0.00	2.57	-11.973	19.605	24	0.0	
17	957.38	0.00	0.00	2.57	-16.549	19.605	24	0.0	
18	916.63	0.00	0.00	2.57	-21.237	19.605	24	0.0	
19	864.45	0.00	0.00	2.57	-26.081	19.605	24	0.0	
20	799.47	0.00	0.00	2.57	-31.136	19.605	24	0.0	

RELAZIONE DI CALCOLO

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
21	719.63	0.00	0.00	2.57	-36.480	19.605	24	0.0	
22	621.75	0.00	0.00	2.57	-42.229	19.605	24	0.0	
23	500.48	0.00	0.00	2.57	-48.571	19.605	24	0.0	
24	345.47	0.00	0.00	2.57	-55.871	19.605	24	0.0	
25	129.51	0.00	0.00	-33.80 - 2.57	-64.987	19.605	24	0.0	

Resistenza al taglio pali 1645.82 [kN]

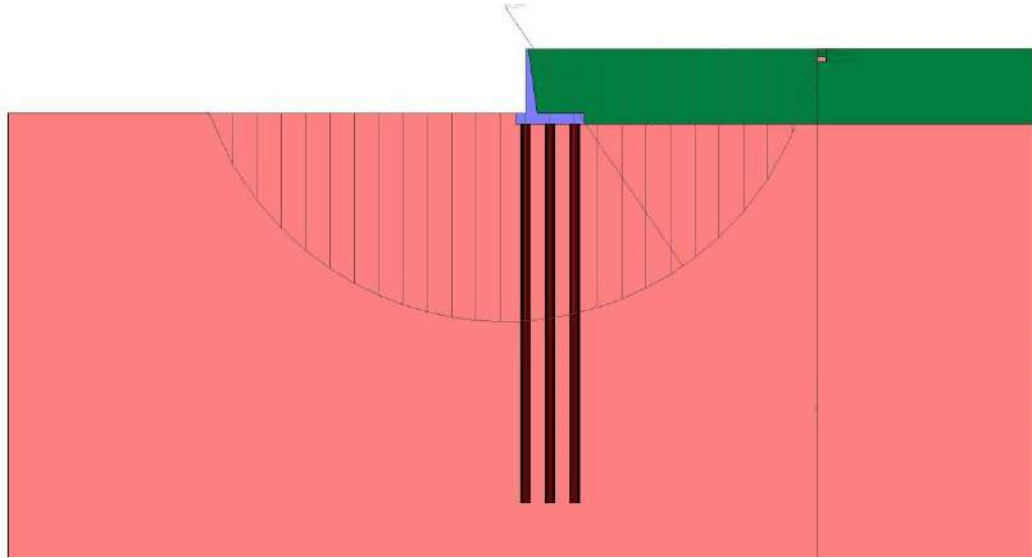


Fig. 4 - Stabilità fronte di scavo - Cerchio critico (Combinazione n° 4)

Sollecitazioni

Elementi calcolati a trave

Simbologia adottata

- n° Indice della sezione
 - X Posizione della sezione, espresso in [m]
 - N Sforzo normale, espresso in [kN]. Positivo se di compressione.
 - T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
 - M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)
- La posizione delle sezioni di verifica fanno riferimento al sistema di riferimento globale la cui origine è nello spigolo in alto a destra del paramento.

Elementi calcolati a piastra

Simbologia adottata

- Mx, My Momenti flettenti, espresso in [kNm]
 - Mxy Momento torcente, espresso in [kNm]. Positivo se diretto da monte verso valle
 - Tx, Ty Tagli, espresso in [kN]. Positivo se tende le fibre contro terra (a monte)
- I momenti flettenti sono positivi se tendono le fibre inferiori (intradosso fondazione, paramento esterno)

Paramento

n°	X [m]	Nmin [kN]	Nmax [kN]	Tmin [kN]	Tmax [kN]	Mmin [kNm]	Mmax [kNm]
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-0.10	0.75	0.75	1.28	4.77	0.07	0.24
3	-0.20	1.54	1.54	2.62	9.60	0.27	0.97
4	-0.30	2.36	2.36	4.02	14.49	0.61	2.18
5	-0.40	3.22	3.22	5.49	19.45	1.11	3.90
6	-0.50	4.11	4.11	7.02	24.47	1.76	6.12
7	-0.60	5.04	5.04	8.62	29.56	2.57	8.86
8	-0.70	6.00	6.00	10.29	34.71	3.56	12.11
9	-0.80	7.00	7.00	12.01	39.92	4.72	15.89
10	-0.90	8.03	8.03	13.81	45.19	6.06	20.19
11	-1.00	9.10	9.10	15.66	50.53	7.60	25.04
12	-1.10	10.20	10.20	17.59	55.93	9.33	30.43

RELAZIONE DI CALCOLO

n°	X [m]	Nmin [kN]	Nmax [kN]	Tmin [kN]	Tmax [kN]	Mmin [kNm]	Mmax [kNm]
13	-1.20	11.34	11.34	19.57	61.40	11.26	36.38
14	-1.30	12.51	12.51	21.62	66.93	13.40	42.88
15	-1.40	13.72	13.72	23.74	72.52	15.77	49.94
16	-1.50	14.96	14.96	25.92	78.18	18.35	57.58
17	-1.60	16.23	16.23	28.17	83.89	21.17	65.79
18	-1.70	17.55	17.55	30.48	89.68	24.22	74.59
19	-1.80	18.89	18.89	32.85	95.52	27.51	83.98
20	-1.90	20.27	20.27	35.29	101.43	31.06	93.97
21	-2.00	21.69	21.69	37.80	107.40	34.86	104.56
22	-2.10	23.14	23.14	40.37	113.44	38.93	115.76
23	-2.20	24.63	24.63	43.00	119.54	43.27	127.57
24	-2.30	26.15	26.15	45.70	125.70	47.88	140.02
25	-2.40	27.70	27.70	48.46	131.93	52.78	153.09
26	-2.50	29.29	29.29	51.29	138.22	57.97	166.80
27	-2.60	30.92	30.92	54.18	144.57	63.46	181.15
28	-2.70	32.58	32.58	57.14	150.98	69.25	196.15
29	-2.80	34.27	34.27	60.16	157.46	75.35	211.81
30	-2.90	36.00	36.00	63.25	164.01	81.77	228.14
31	-3.00	37.77	37.77	66.40	170.61	88.52	245.13
32	-3.10	39.57	39.57	69.61	177.28	95.59	262.80
33	-3.20	41.40	41.40	72.90	184.02	103.00	281.15
34	-3.30	43.27	43.27	76.24	190.81	110.76	300.19
35	-3.40	45.18	45.18	79.65	197.67	118.87	319.93
36	-3.50	47.11	47.11	83.13	204.59	127.34	340.37
37	-3.60	49.09	49.09	86.67	211.58	136.17	361.52
38	-3.70	51.10	51.10	90.27	218.63	145.37	383.39
39	-3.80	53.14	53.14	93.94	225.74	154.95	405.98
40	-3.90	55.22	55.22	97.67	232.92	164.92	429.30
41	-4.00	57.33	57.33	101.47	240.16	175.27	453.35
42	-4.10	59.48	59.48	105.33	247.46	186.03	478.15
43	-4.20	61.67	61.67	109.26	254.83	197.19	503.69
44	-4.30	63.89	63.89	113.25	262.26	208.76	529.99
45	-4.40	66.14	66.14	117.31	269.76	220.75	557.06
46	-4.50	68.43	68.43	121.43	277.31	233.17	584.89
47	-4.60	70.75	70.75	125.62	284.93	246.01	613.50
48	-4.70	73.11	73.11	129.87	292.62	259.30	642.88
49	-4.80	75.50	75.50	134.18	300.36	273.03	673.06
50	-4.90	77.93	77.93	138.56	308.17	287.21	704.03
51	-5.00	80.39	80.39	143.01	316.05	301.85	735.81
52	-5.10	82.89	82.89	147.52	323.99	316.96	768.39
53	-5.20	85.42	85.42	152.09	331.99	332.54	801.79
54	-5.30	87.99	87.99	156.73	340.05	348.60	836.01
55	-5.40	90.59	90.59	161.44	348.18	365.14	871.05
56	-5.50	93.23	93.23	166.20	356.37	382.18	906.93
57	-5.60	95.90	95.90	171.04	364.62	399.71	943.65
58	-5.70	98.61	98.61	175.94	372.94	417.75	981.22
59	-5.80	101.35	101.35	180.90	381.32	436.30	1019.65
60	-5.90	104.13	104.13	185.93	389.77	455.38	1058.93
61	-6.00	106.94	106.94	191.02	398.27	474.97	1099.08
62	-6.10	109.78	109.78	196.17	406.84	495.10	1140.11
63	-6.20	112.67	112.67	201.40	415.48	515.77	1182.02
64	-6.30	115.58	115.58	206.68	424.18	536.99	1224.81
65	-6.40	118.53	118.53	212.03	432.94	558.76	1268.50
66	-6.50	121.52	121.52	217.45	441.76	581.08	1313.09
67	-6.60	124.54	124.54	222.93	450.65	603.98	1358.58
68	-6.70	127.60	127.60	228.47	459.60	627.44	1404.99

RELAZIONE DI CALCOLO

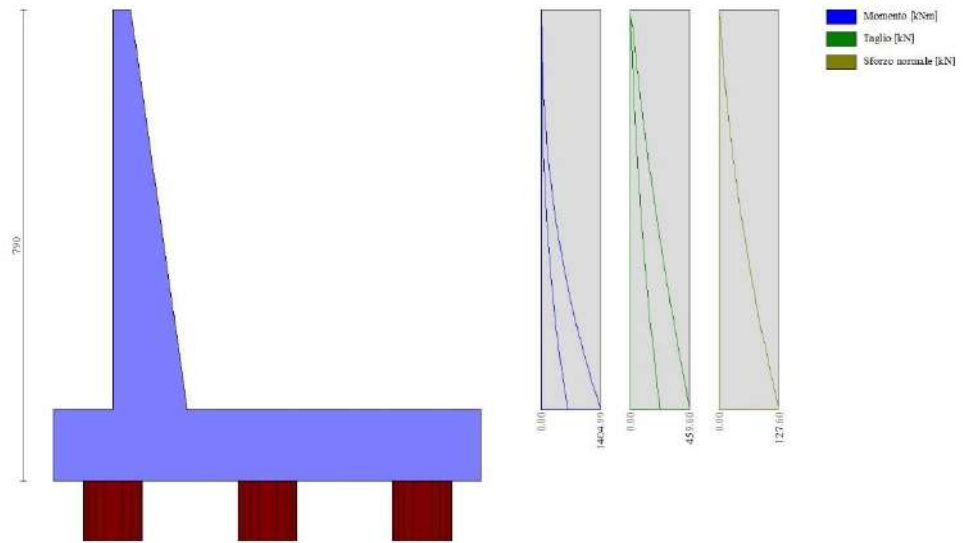


Fig. 5 - Paramento

Piastra fondazione

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
1	0.27	0.20	0.29	-0.41	7.64	MAX
	0.27	0.20	0.29	-0.41	7.64	MIN
2	0.22	-0.46	0.16	0.27	6.99	MAX
	0.22	-0.46	0.16	0.27	6.99	MIN
3	0.51	-3.55	-0.09	0.21	14.88	MAX
	0.51	-3.55	-0.09	0.21	14.88	MIN
4	0.38	-3.52	-0.22	0.54	14.47	MAX
	0.38	-3.52	-0.22	0.54	14.47	MIN
5	0.34	0.05	-0.36	0.98	7.22	MAX
	0.34	0.05	-0.36	0.98	7.22	MIN
6	-0.47	-3.51	-0.66	0.07	14.44	MAX
	-0.47	-3.51	-0.66	0.07	14.44	MIN
7	-4.62	-15.39	-0.37	0.00	22.76	MAX
	-4.62	-15.39	-0.37	0.00	22.76	MIN
8	-4.47	-14.90	-0.88	0.00	21.31	MAX
	-4.47	-14.90	-0.88	0.00	21.31	MIN
9	-4.46	-14.86	1.99	0.00	21.72	MAX
	-4.46	-14.86	1.99	0.00	21.72	MIN
10	-0.09	0.05	0.23	0.39	7.80	MAX
	-0.09	0.05	0.23	0.39	7.80	MIN
11	-1.51	-3.63	0.04	0.28	15.10	MAX
	-1.51	-3.63	0.04	0.28	15.10	MIN
12	-4.29	-14.30	-0.15	0.00	22.40	MAX
	-4.29	-14.30	-0.15	0.00	22.40	MIN
13	-4.29	-14.30	-0.15	0.00	22.40	MAX
	-4.29	-14.30	-0.15	0.00	22.40	MIN
14	-4.29	-14.30	-0.15	0.00	22.40	MAX
	-4.29	-14.30	-0.15	0.00	22.40	MIN
15	-4.29	-14.30	-0.15	0.00	22.40	MAX
	-4.29	-14.30	-0.15	0.00	22.40	MIN
16	-4.29	-14.30	-0.15	0.00	22.40	MAX
	-4.29	-14.30	-0.15	0.00	22.40	MIN
17	-4.29	-14.30	-0.15	0.00	22.40	MAX
	-4.29	-14.30	-0.15	0.00	22.40	MIN
18	-0.07	0.05	-0.08	-0.45	7.42	MAX
	-0.07	0.05	-0.08	-0.45	7.42	MIN
19	-1.25	-3.75	-0.14	0.25	14.81	MAX
	-1.25	-3.75	-0.14	0.25	14.81	MIN
20	-4.45	-14.84	-0.10	0.00	22.20	MAX
	-4.45	-14.84	-0.10	0.00	22.20	MIN
21	-4.45	-14.84	-0.10	0.00	22.20	MAX
	-4.45	-14.84	-0.10	0.00	22.20	MIN
22	-197.76	-659.19	55.29	0.00	-454.43	MAX
	-619.68	-2065.61	-2.31	0.00	-894.08	MIN
23	-196.89	-656.30	176.73	0.00	-439.84	MAX
	-604.49	-2014.97	29.21	0.00	-608.18	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
24	-188.39	-627.98	-10.71	0.00	-403.79	MAX
	-615.98	-2053.26	-20.52	0.00	-869.60	MIN
25	-153.12	-510.40	-39.11	0.00	-299.33	MAX
	-555.94	-1853.12	-78.19	0.00	-823.19	MIN
26	-117.28	-390.93	-9.28	0.00	-300.30	MAX
	-472.05	-1573.50	-32.01	0.00	-951.01	MIN
27	0.15	-0.13	0.31	-0.18	7.35	MAX
	0.15	-0.13	0.31	-0.18	7.35	MIN
28	-0.65	-3.79	0.02	-0.30	14.99	MAX
	-0.65	-3.79	0.02	-0.30	14.99	MIN
29	-4.59	-15.30	-0.28	0.00	22.64	MAX
	-4.59	-15.30	-0.28	0.00	22.64	MIN
30	-4.59	-15.30	-0.28	0.00	22.64	MAX
	-4.59	-15.30	-0.28	0.00	22.64	MIN
31	-138.77	-462.58	19.47	0.00	-249.04	MAX
	-503.04	-1676.80	18.65	0.00	-679.91	MIN
32	-15.00	-338.43	-5.39	151.38	-385.38	MAX
	-100.39	-1421.13	-15.82	38.35	-824.18	MIN
33	38.28	-334.15	21.68	164.65	-424.61	MAX
	19.91	-1418.18	-7.03	41.69	-754.65	MIN
34	-47.85	-337.34	-34.35	57.14	-343.21	MAX
	-249.45	-1414.81	-53.23	28.14	-788.95	MIN
35	-130.50	-365.81	-55.18	-1.00	-247.54	MAX
	-423.35	-1433.41	-123.70	-77.28	-675.53	MIN
36	-89.47	-89.63	-12.05	-8.64	-170.19	MAX
	-286.14	-694.96	-49.53	-23.49	-1029.81	MIN
37	-119.22	-353.96	31.64	60.70	-203.79	MAX
	-431.95	-1361.65	29.36	-6.14	-551.70	MIN
38	0.13	-0.03	-0.53	0.52	7.03	MAX
	0.13	-0.03	-0.53	0.52	7.03	MIN
39	-0.78	-3.53	-0.64	-0.41	14.45	MAX
	-0.78	-3.53	-0.64	-0.41	14.45	MIN
40	-4.40	-14.67	2.24	0.00	21.54	MAX
	-4.40	-14.67	2.24	0.00	21.54	MIN
41	-4.40	-14.67	2.24	0.00	21.54	MAX
	-4.40	-14.67	2.24	0.00	21.54	MIN
42	-4.40	-14.67	2.24	0.00	21.54	MAX
	-4.40	-14.67	2.24	0.00	21.54	MIN
43	-156.28	-520.92	-1.68	0.00	-272.27	MAX
	-517.22	-1724.08	-18.69	0.00	-577.67	MIN
44	-40.82	-316.01	-1.91	-3.94	-232.61	MAX
	-316.47	-1277.97	-29.57	-32.62	-537.46	MIN
45	4.46	-138.70	-20.29	101.11	-262.84	MAX
	-48.53	-972.34	-69.30	27.63	-719.27	MIN
46	4.39	-131.64	-24.24	59.07	-357.71	MAX
	-14.87	-958.72	-72.39	9.80	-981.80	MIN
47	1.38	-148.36	-17.52	162.38	-238.25	MAX
	-121.30	-960.54	-72.40	73.94	-670.85	MIN
48	-16.49	-205.62	-81.11	396.59	-188.84	MAX
	-217.14	-1016.47	-281.56	309.30	-529.75	MIN
49	-397.22	-500.45	-6.65	11.71	-501.44	MAX
	-667.43	-1293.71	-55.06	2.88	-1612.01	MIN
50	-5.25	-221.93	167.40	-289.18	-163.33	MAX
	-247.70	-1013.38	65.22	-342.45	-452.79	MIN
51	7.63	-190.53	0.00	-2.10	-182.63	MAX
	-230.85	-954.18	-36.00	-19.91	-514.22	MIN
52	-0.18	0.11	0.24	0.14	7.80	MAX
	-0.18	0.11	0.24	0.14	7.80	MIN
53	-1.70	-3.61	0.06	0.08	15.02	MAX
	-1.70	-3.61	0.06	0.08	15.02	MIN
54	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
55	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
56	-136.64	-455.48	-23.31	0.00	-242.53	MAX
	-475.13	-1583.77	-58.23	0.00	-629.35	MIN
57	-112.47	-351.40	-34.83	-2.32	-196.94	MAX
	-408.16	-1303.13	-92.54	-122.13	-503.86	MIN
58	3.57	-226.25	-66.31	309.73	-157.20	MAX
	-229.09	-987.62	-240.73	286.16	-414.33	MIN
59	13.40	59.44	-4.10	76.53	-153.94	MAX
	-9.41	-366.37	-70.56	22.24	-709.53	MIN
60	-0.28	53.53	-7.66	48.11	-203.66	MAX
	-4.59	-359.54	-63.37	3.40	-975.30	MIN
61	12.34	31.96	5.04	203.20	-166.79	MAX
	-39.40	-399.37	-86.33	80.33	-664.07	MIN
62	-53.31	-30.46	17.77	240.85	-186.74	MAX
	-188.03	-492.00	-71.01	87.16	-656.05	MIN
63	-83.57	-106.98	4.47	33.41	-587.80	MAX
	-324.36	-819.18	-50.95	8.92	-1422.38	MIN
64	-43.00	-59.74	-7.73	-60.77	-182.42	MAX
	-213.31	-533.78	-32.49	-151.39	-624.60	MIN
65	18.58	-34.66	4.27	0.15	-169.42	MAX
	-133.28	-501.50	-38.38	-4.32	-622.12	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
66	-33.84	-69.11	16.41	150.46	-179.59	MAX
	-200.76	-536.11	-43.98	63.02	-601.44	MIN
67	-0.12	0.05	-0.09	-0.61	7.37	MAX
	-0.12	0.05	-0.09	-0.61	7.37	MIN
68	-1.28	-3.73	-0.14	0.17	14.74	MAX
	-1.28	-3.73	-0.14	0.17	14.74	MIN
69	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
70	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
71	-110.97	-369.90	0.64	0.00	-279.03	MAX
	-413.42	-1378.06	-9.58	0.00	-834.32	MIN
72	-75.14	-83.00	1.27	0.44	-149.70	MAX
	-245.30	-578.96	-15.96	-21.36	-922.31	MIN
73	-379.63	-511.35	2.43	0.14	-485.73	MAX
	-640.31	-1247.94	-21.64	-18.15	-1530.17	MIN
74	-65.63	-128.90	4.44	0.01	-582.19	MAX
	-307.59	-830.59	-26.33	-11.62	-1376.93	MIN
75	48.63	173.95	-1.06	-48.98	-17.53	MAX
	-21.88	112.15	-52.27	-87.22	-533.21	MIN
76	29.49	162.47	-12.76	-29.63	2.88	MAX
	3.56	111.92	-70.68	-175.41	-573.36	MIN
77	86.11	401.94	30.91	91.75	-96.26	MAX
	29.45	273.58	-29.48	-6.02	-1254.53	MIN
78	-11.24	73.25	47.10	209.47	-85.22	MAX
	-27.49	25.99	-17.22	40.26	-465.47	MIN
79	25.04	75.95	16.82	38.26	-118.34	MAX
	-109.15	-40.28	-33.00	6.65	-485.18	MIN
80	-3.03	53.24	-13.17	-25.91	-93.97	MAX
	-44.86	-20.74	-53.08	-140.98	-471.09	MIN
81	73.57	285.10	9.32	3.65	-120.61	MAX
	44.13	221.06	-33.68	0.75	-1236.88	MIN
82	3.89	44.15	32.79	153.72	-95.00	MAX
	-38.70	-33.63	-12.70	28.58	-463.55	MIN
83	37.61	55.83	6.55	-0.14	-121.96	MAX
	-102.87	-71.80	-26.71	-6.79	-473.47	MIN
84	0.15	-0.13	0.30	-0.24	7.33	MAX
	0.15	-0.13	0.30	-0.24	7.33	MIN
85	-0.64	-3.78	0.01	-0.32	14.97	MAX
	-0.64	-3.78	0.01	-0.32	14.97	MIN
86	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
87	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
88	-137.78	-459.26	37.98	0.00	-244.14	MAX
	-461.28	-1537.58	24.14	0.00	-614.79	MIN
89	-111.31	-354.19	59.11	78.65	-198.02	MAX
	-392.53	-1267.07	36.75	2.41	-488.83	MIN
90	6.22	-229.56	196.16	-286.23	-157.40	MAX
	-213.30	-964.25	70.65	-345.26	-399.52	MIN
91	-30.02	-73.02	-7.72	-62.87	-179.69	MAX
	-185.62	-526.38	-9.24	-171.67	-589.70	MIN
92	7.62	40.55	-19.42	-28.57	-95.73	MAX
	-25.85	-32.33	-40.39	-165.07	-456.92	MIN
93	23.56	383.91	-80.48	223.54	29.30	MAX
	-0.69	51.20	-334.39	-403.06	-149.94	MIN
94	11.01	270.76	13.32	59.29	126.18	MAX
	-12.44	45.11	-10.36	-140.37	-18.85	MIN
95	316.49	457.43	11.12	19.42	-433.37	MAX
	-230.37	-165.18	-75.24	-32.82	-1256.18	MIN
96	63.54	254.97	226.05	354.56	59.39	MAX
	-34.44	85.99	105.17	-192.55	-18.06	MIN
97	65.00	122.13	21.14	27.76	4.96	MAX
	-53.91	65.39	-20.82	-1.30	-99.81	MIN
98	65.14	220.60	-55.10	178.79	48.46	MAX
	-56.14	75.85	-243.36	-290.21	-43.32	MIN
99	289.85	409.66	12.04	7.72	-421.44	MAX
	-206.84	-159.94	-27.09	-1.55	-1225.21	MIN
100	69.01	210.17	192.34	308.42	45.58	MAX
	-57.26	70.54	80.58	-181.72	-45.43	MIN
101	72.02	99.76	7.61	-1.47	-1.40	MAX
	-59.57	55.04	-23.88	-2.04	-106.66	MIN
102	71.76	208.64	-64.86	178.94	44.35	MAX
	-47.63	68.36	-239.24	-310.73	-43.08	MIN
103	0.14	-0.02	-0.53	0.51	7.02	MAX
	0.14	-0.02	-0.53	0.51	7.02	MIN
104	-0.77	-3.53	-0.64	-0.41	14.45	MAX
	-0.77	-3.53	-0.64	-0.41	14.45	MIN
105	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
106	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
107	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
108	-157.90	-526.33	1.02	0.00	-273.85	MAX
	-487.79	-1625.97	-4.81	0.00	-542.78	MIN
109	-37.54	-320.54	1.78	1.76	-233.20	MAX
	-284.58	-1203.93	-8.37	-12.29	-502.28	MIN
110	13.88	-197.27	2.71	1.32	-181.82	MAX
	-199.66	-908.45	-12.33	-12.09	-481.19	MIN
111	26.89	-43.39	3.96	0.72	-169.06	MAX
	-104.39	-484.81	-16.42	-9.93	-597.34	MIN
112	97.29	285.10	4.99	0.26	-122.11	MAX
	51.81	212.95	-18.11	-7.81	-1223.94	MIN
113	306.74	405.28	5.33	-0.74	-424.15	MAX
	-201.44	-164.75	-17.06	-4.65	-1221.43	MIN
114	83.48	228.26	-1.22	119.20	4.83	MAX
	-39.91	12.21	-100.15	89.23	-40.74	MIN
115	-24.09	144.54	-0.46	100.86	224.71	MAX
	-60.59	9.97	-61.73	78.45	114.70	MIN
116	-107.75	-204.76	27.29	52.86	-505.25	MAX
	-118.34	-653.21	13.06	-31.46	-514.67	MIN
117	71.24	262.29	95.96	-47.80	78.64	MAX
	12.93	46.50	39.30	-131.02	38.67	MIN
118	54.09	61.62	16.42	22.90	79.20	MAX
	-78.19	26.19	-9.71	-15.15	44.72	MIN
119	35.29	238.23	-6.02	105.48	64.48	MAX
	13.90	42.07	-112.46	92.62	36.32	MIN
120	-119.30	-190.79	9.15	16.53	-486.05	MAX
	-165.88	-604.12	-17.69	-8.59	-517.94	MIN
121	30.78	233.66	79.05	-58.68	60.53	MAX
	16.63	39.97	25.16	-122.85	34.01	MIN
122	59.48	51.74	5.65	7.57	67.99	MAX
	-87.40	22.04	-16.15	-5.61	39.29	MIN
123	38.99	232.68	-13.46	111.46	60.82	MAX
	18.85	39.03	-110.69	74.92	32.97	MIN
124	-115.08	-192.85	3.85	2.59	-488.35	MAX
	-152.07	-606.68	-11.70	-3.45	-518.16	MIN
125	-0.18	0.11	0.23	0.14	7.80	MAX
	-0.18	0.11	0.23	0.14	7.80	MIN
126	-1.70	-3.61	0.06	0.08	15.02	MAX
	-1.70	-3.61	0.06	0.08	15.02	MIN
127	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
128	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
129	-139.35	-464.51	-22.22	0.00	-246.17	MAX
	-454.44	-1514.78	-48.17	0.00	-611.73	MIN
130	-111.95	-358.12	-33.38	0.78	-199.82	MAX
	-383.95	-1246.58	-76.72	-104.13	-485.11	MIN
131	6.31	-232.73	-65.42	320.71	-158.71	MAX
	-203.70	-948.20	-221.74	288.62	-394.67	MIN
132	-29.17	-75.48	15.54	152.08	-180.63	MAX
	-174.88	-516.32	-24.38	64.18	-584.73	MIN
133	8.78	38.78	29.46	150.08	-96.58	MAX
	-14.73	-27.44	3.73	29.06	-453.08	MIN
134	72.78	210.21	204.93	302.15	43.56	MAX
	-36.74	67.43	75.67	-180.47	-40.73	MIN
135	49.71	233.13	87.21	-69.03	61.95	MAX
	19.71	38.65	21.32	-118.52	32.41	MIN
136	94.09	45.67	-4.11	159.95	-22.10	MAX
	-10.42	11.74	-68.99	33.39	-76.61	MIN
137	126.24	113.17	5.94	186.47	228.52	MAX
	14.68	10.43	-11.86	62.50	84.07	MIN
138	-4.52	-35.64	17.25	-39.52	-196.57	MAX
	-56.93	-162.86	11.95	-96.16	-331.30	MIN
139	10.35	54.09	77.42	-181.49	42.93	MAX
	4.07	15.39	30.11	-186.32	-20.33	MIN
140	46.36	67.07	10.48	47.64	117.01	MAX
	-21.99	10.25	-7.43	-61.20	55.64	MIN
141	3.89	53.09	-7.15	267.40	40.53	MAX
	-16.81	14.29	-84.24	66.27	-15.50	MIN
142	-61.83	-33.40	6.14	63.02	-203.89	MAX
	-89.70	-166.28	-11.32	-36.82	-346.22	MIN
143	6.62	52.39	63.51	-143.37	37.41	MAX
	-20.94	13.81	20.16	-149.44	-16.99	MIN
144	51.25	60.46	3.80	50.39	106.17	MAX
	-35.44	8.37	-10.14	-22.89	50.75	MIN
145	8.82	51.95	-12.29	249.40	37.19	MAX
	-12.99	13.52	-83.37	96.14	-17.76	MIN
146	-57.68	-34.10	2.55	33.66	-205.61	MAX
	-76.48	-167.58	-7.29	-14.87	-347.26	MIN
147	9.69	52.02	68.73	-126.56	37.81	MAX
	-2.35	13.42	17.50	-181.17	-18.14	MIN
148	-0.11	0.05	-0.09	-0.61	7.37	MAX
	-0.11	0.05	-0.09	-0.61	7.37	MIN
149	-1.28	-3.73	-0.14	0.17	14.74	MAX
	-1.28	-3.73	-0.14	0.17	14.74	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
150	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
151	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
152	-113.96	-379.85	0.85	0.00	-282.86	MAX
	-398.89	-1329.63	-2.38	0.00	-826.33	MIN
153	-76.07	-90.46	1.47	1.73	-153.02	MAX
	-227.37	-536.41	-4.30	-6.75	-913.06	MIN
154	-379.01	-517.58	2.20	1.47	-488.04	MAX
	-620.55	-1215.50	-6.74	-7.28	-1518.98	MIN
155	-63.48	-134.00	3.08	0.99	-583.86	MAX
	-285.93	-811.13	-9.55	-6.82	-1366.08	MIN
156	40.27	52.02	3.69	0.59	-123.58	MAX
	-80.96	-62.95	-11.11	-6.06	-465.53	MIN
157	74.22	102.27	3.77	-0.14	-3.02	MAX
	-38.62	52.98	-10.79	-4.24	-102.11	MIN
158	61.31	52.37	2.69	0.45	70.03	MAX
	-67.01	21.19	-7.46	-1.96	38.12	MIN
159	53.09	60.49	1.75	20.24	107.22	MAX
	-15.25	8.12	-4.62	-9.70	49.93	MIN
160	0.16	-0.13	0.30	-0.24	7.33	MAX
	0.16	-0.13	0.30	-0.24	7.33	MIN
161	-0.64	-3.78	0.01	-0.32	14.97	MAX
	-0.64	-3.78	0.01	-0.32	14.97	MIN
162	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
163	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
164	-140.62	-468.75	43.12	0.00	-247.46	MAX
	-451.10	-1503.66	23.90	0.00	-612.04	MIN
165	-112.88	-361.50	67.65	90.06	-201.03	MAX
	-379.41	-1235.42	36.30	2.58	-484.95	MIN
166	5.68	-235.38	207.68	-285.77	-159.75	MAX
	-198.24	-938.38	69.78	-335.70	-393.53	MIN
167	-29.46	-77.33	4.63	-62.29	-181.49	MAX
	-168.13	-508.94	-9.39	-165.87	-582.89	MIN
168	8.68	37.63	-22.05	-27.96	-97.28	MAX
	-6.94	-22.93	-26.51	-162.14	-451.13	MIN
169	72.67	212.23	-68.05	180.11	43.01	MAX
	-28.18	66.91	-226.97	-310.46	-39.11	MIN
170	58.55	233.89	-15.88	114.46	62.97	MAX
	19.56	38.45	-102.41	70.27	32.07	MIN
171	9.56	52.24	-13.95	222.77	38.48	MAX
	6.48	13.37	-78.16	106.78	-18.36	MIN
172	0.14	-0.02	-0.53	0.51	7.02	MAX
	0.14	-0.02	-0.53	0.51	7.02	MIN
173	-0.77	-3.53	-0.64	-0.41	14.45	MAX
	-0.77	-3.53	-0.64	-0.41	14.45	MIN
174	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
175	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
176	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
177	-160.42	-534.73	0.58	0.00	-276.46	MAX
	-480.70	-1602.32	-1.14	0.00	-542.76	MIN
178	-39.30	-327.21	1.02	1.30	-235.65	MAX
	-275.05	-1180.63	-2.13	-3.56	-501.33	MIN
179	12.78	-202.52	1.53	1.19	-183.89	MAX
	-188.32	-888.29	-3.52	-4.12	-478.33	MIN
180	26.52	-47.10	2.14	0.90	-170.74	MAX
	-90.58	-470.03	-5.24	-4.20	-593.21	MIN
181	113.00	293.91	2.53	0.64	-123.50	MAX
	51.82	210.59	-6.31	-3.99	-1219.82	MIN
182	323.77	409.12	2.55	0.16	-425.26	MAX
	-201.47	-165.85	-6.26	-3.03	-1218.16	MIN
183	-115.22	-193.29	1.80	-0.28	-489.06	MAX
	-134.59	-605.27	-4.34	-1.04	-516.16	MIN
184	-57.79	-34.21	1.16	11.22	-206.07	MAX
	-59.02	-167.19	-2.67	-6.12	-345.97	MIN
185	-0.18	0.11	0.23	0.14	7.80	MAX
	-0.18	0.11	0.23	0.14	7.80	MIN
186	-1.70	-3.61	0.06	0.08	15.02	MAX
	-1.70	-3.61	0.06	0.08	15.02	MIN
187	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
188	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
189	-141.48	-471.61	-22.73	0.00	-248.12	MAX
	-449.52	-1498.41	-45.56	0.00	-613.03	MIN
190	-113.64	-363.91	-34.24	0.00	-201.69	MAX
	-377.06	-1229.60	-72.17	-97.52	-485.67	MIN
191	5.02	-237.31	-66.70	327.15	-160.39	MAX
	-195.24	-932.79	-215.07	288.13	-393.60	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
192	-30.02	-78.68	13.70	157.27	-182.07	MAX
	-164.16	-504.28	-15.53	64.05	-582.33	MIN
193	8.17	36.81	27.16	154.05	-97.77	MAX
	-2.04	-19.76	13.44	29.18	-450.20	MIN
194	72.14	213.81	214.06	304.38	42.63	MAX
	-22.45	66.55	73.20	-179.86	-38.13	MIN
195	64.59	234.51	93.46	-70.68	63.68	MAX
	19.00	38.31	19.52	-116.63	31.84	MIN
196	12.54	52.43	72.64	-119.26	38.98	MAX
	9.01	13.33	16.30	-199.45	-18.51	MIN
197	-0.11	0.05	-0.09	-0.61	7.37	MAX
	-0.11	0.05	-0.09	-0.61	7.37	MIN
198	-1.28	-3.73	-0.14	0.17	14.74	MAX
	-1.28	-3.73	-0.14	0.17	14.74	MIN
199	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
200	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
201	-115.69	-385.63	0.35	0.00	-284.25	MAX
	-395.52	-1318.40	-0.52	0.00	-828.13	MIN
202	-77.57	-95.29	0.61	0.82	-154.39	MAX
	-222.43	-524.18	-1.00	-1.76	-914.28	MIN
203	-380.28	-521.45	0.93	0.79	-489.33	MAX
	-614.31	-1203.93	-1.72	-2.16	-1518.89	MIN
204	-64.50	-136.71	1.31	0.64	-585.01	MAX
	-277.75	-801.64	-2.66	-2.33	-1364.77	MIN
205	39.36	50.37	1.55	0.50	-124.56	MAX
	-70.96	-56.59	-3.29	-2.31	-463.56	MIN
206	73.27	105.39	1.55	0.21	-3.78	MAX
	-27.05	52.25	-3.30	-1.84	-100.11	MIN
207	60.30	53.60	1.09	-0.38	71.45	MAX
	-54.82	20.91	-2.29	-0.51	37.66	MIN
208	52.10	60.87	0.70	5.68	108.22	MAX
	-3.04	8.05	-1.41	-3.55	49.64	MIN
209	0.16	-0.13	0.30	-0.24	7.33	MAX
	0.16	-0.13	0.30	-0.24	7.33	MIN
210	-0.64	-3.78	0.01	-0.32	14.97	MAX
	-0.64	-3.78	0.01	-0.32	14.97	MIN
211	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
212	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
213	-141.99	-473.29	44.45	0.00	-248.41	MAX
	-448.82	-1496.07	23.44	0.00	-613.88	MIN
214	-114.14	-365.39	70.05	93.81	-202.00	MAX
	-375.92	-1226.76	35.49	1.65	-486.35	MIN
215	4.54	-238.53	211.44	-286.55	-160.71	MAX
	-193.70	-929.87	68.59	-331.64	-393.91	MIN
216	-30.48	-79.56	9.97	-62.78	-182.39	MAX
	-162.01	-501.67	-11.05	-162.08	-582.23	MIN
217	7.69	36.27	-20.29	-28.22	-98.06	MAX
	0.73	-17.88	-24.02	-158.78	-449.79	MIN
218	71.62	214.80	-70.06	180.24	42.40	MAX
	-19.11	66.31	-220.92	-308.11	-37.60	MIN
219	68.17	234.91	-17.30	115.56	64.09	MAX
	18.46	38.22	-98.23	69.98	31.70	MIN
220	16.13	52.56	-14.88	211.36	39.29	MAX
	8.47	13.31	-75.56	112.01	-18.60	MIN
221	0.14	-0.02	-0.53	0.51	7.02	MAX
	0.14	-0.02	-0.53	0.51	7.02	MIN
222	-0.77	-3.53	-0.64	-0.41	14.45	MAX
	-0.77	-3.53	-0.64	-0.41	14.45	MIN
223	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
224	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
225	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
226	-161.45	-538.17	0.16	0.00	-277.10	MAX
	-479.19	-1597.30	-0.20	0.00	-544.40	MIN
227	-40.29	-330.20	0.28	0.39	-236.30	MAX
	-272.63	-1174.63	-0.39	-0.72	-502.65	MIN
228	11.84	-204.98	0.43	0.38	-184.57	MAX
	-185.09	-882.21	-0.69	-0.91	-478.86	MIN
229	25.62	-48.87	0.61	0.33	-171.40	MAX
	-86.13	-464.66	-1.09	-1.02	-592.93	MIN
230	118.69	297.74	0.73	0.26	-124.09	MAX
	50.90	209.51	-1.38	-1.04	-1218.94	MIN
231	330.61	411.11	0.73	0.13	-425.73	MAX
	-202.46	-166.34	-1.40	-0.85	-1217.06	MIN
232	-116.26	-193.47	0.51	-0.20	-489.35	MAX
	-127.30	-604.47	-0.97	-0.23	-515.31	MIN
233	-51.70	-34.25	0.32	2.33	-206.26	MAX
	-58.82	-166.93	-0.59	-1.62	-345.34	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
234	-0.18	0.11	0.23	0.14	7.80	MAX
	-0.18	0.11	0.23	0.14	7.80	MIN
235	-1.70	-3.61	0.06	0.08	15.02	MAX
	-1.70	-3.61	0.06	0.08	15.02	MIN
236	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
237	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
238	-142.22	-474.06	-23.11	0.00	-248.52	MAX
	-448.56	-1495.21	-44.87	0.00	-614.33	MIN
239	-114.38	-366.08	-34.91	-0.86	-202.11	MAX
	-375.45	-1225.61	-70.88	-95.32	-486.73	MIN
240	4.30	-239.12	-67.70	329.74	-160.84	MAX
	-193.05	-928.64	-212.90	287.32	-394.11	MIN
241	-30.74	-79.99	12.30	159.96	-182.53	MAX
	-161.08	-500.52	-12.27	63.43	-582.24	MIN
242	7.42	36.00	25.50	156.64	-98.19	MAX
	1.96	-17.03	17.40	28.73	-449.64	MIN
243	71.32	215.26	218.00	306.38	42.29	MAX
	-17.59	66.18	71.54	-179.99	-37.37	MIN
244	69.80	235.10	96.20	-70.42	64.28	MAX
	18.14	38.17	18.34	-115.99	31.63	MIN
245	17.77	52.62	74.32	-115.32	39.43	MAX
	8.15	13.30	15.54	-206.45	-18.64	MIN
246	-0.11	0.05	-0.09	-0.61	7.37	MAX
	-0.11	0.05	-0.09	-0.61	7.37	MIN
247	-1.28	-3.73	-0.14	0.17	14.74	MAX
	-1.28	-3.73	-0.14	0.17	14.74	MIN
248	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
249	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
250	-116.16	-387.20	0.00	0.00	-284.48	MAX
	-394.96	-1316.52	0.00	0.00	-829.01	MIN
251	-78.05	-96.70	0.00	0.00	-154.63	MAX
	-221.45	-521.76	0.00	0.00	-915.03	MIN
252	-380.76	-522.64	0.00	0.00	-489.61	MAX
	-612.95	-1201.36	0.00	0.00	-1519.28	MIN
253	-65.00	-137.58	0.00	0.00	-585.30	MAX
	-275.80	-799.26	0.00	0.00	-1364.76	MIN
254	38.83	49.83	0.00	0.00	-124.83	MAX
	-68.42	-54.84	0.00	0.00	-463.23	MIN
255	72.69	106.34	0.00	0.00	-4.00	MAX
	-23.93	52.01	0.00	0.00	-99.63	MIN
256	59.69	53.98	0.00	0.00	71.84	MAX
	-51.48	20.82	0.00	0.00	37.52	MIN
257	51.50	60.99	0.00	0.00	108.51	MAX
	0.32	8.03	0.00	0.00	49.54	MIN
258	0.16	-0.13	0.30	-0.24	7.33	MAX
	0.16	-0.13	0.30	-0.24	7.33	MIN
259	-0.64	-3.78	0.01	-0.32	14.97	MAX
	-0.64	-3.78	0.01	-0.32	14.97	MIN
260	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
261	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
262	-142.22	-474.06	44.87	0.00	-248.52	MAX
	-448.56	-1495.21	23.11	0.00	-614.33	MIN
263	-114.38	-366.08	70.88	95.32	-202.11	MAX
	-375.45	-1225.61	34.91	0.86	-486.73	MIN
264	4.30	-239.12	212.90	-287.32	-160.84	MAX
	-193.05	-928.64	67.70	-329.74	-394.11	MIN
265	-30.74	-79.99	12.27	-63.43	-182.53	MAX
	-161.08	-500.52	-12.30	-159.96	-582.24	MIN
266	7.42	36.00	-17.40	-28.73	-98.19	MAX
	1.96	-17.03	-25.50	-156.64	-449.64	MIN
267	71.32	215.26	-71.54	179.99	42.29	MAX
	-17.59	66.18	-218.00	-306.38	-37.37	MIN
268	69.80	235.10	-18.34	115.99	64.28	MAX
	18.14	38.17	-96.20	70.42	31.63	MIN
269	17.77	52.62	-15.54	206.45	39.43	MAX
	8.15	13.30	-74.32	115.32	-18.64	MIN
270	0.14	-0.02	-0.53	0.51	7.02	MAX
	0.14	-0.02	-0.53	0.51	7.02	MIN
271	-0.77	-3.53	-0.64	-0.41	14.45	MAX
	-0.77	-3.53	-0.64	-0.41	14.45	MIN
272	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
273	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
274	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
275	-161.45	-538.17	0.20	0.00	-277.10	MAX
	-479.19	-1597.30	-0.16	0.00	-544.40	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
276	-40.29	-330.20	0.39	0.72	-236.30	MAX
	-272.63	-1174.63	-0.28	-0.39	-502.65	MIN
277	11.84	-204.98	0.69	0.91	-184.57	MAX
	-185.09	-882.21	-0.43	-0.38	-478.86	MIN
278	25.62	-48.87	1.09	1.02	-171.40	MAX
	-86.13	-464.66	-0.61	-0.33	-592.93	MIN
279	118.69	297.74	1.38	1.04	-124.09	MAX
	50.90	209.51	-0.73	-0.26	-1218.94	MIN
280	330.61	411.11	1.40	0.85	-425.73	MAX
	-202.46	-166.34	-0.73	-0.13	-1217.06	MIN
281	-116.26	-193.47	0.97	0.23	-489.35	MAX
	-127.30	-604.47	-0.51	0.20	-515.31	MIN
282	-51.70	-34.25	0.59	1.62	-206.26	MAX
	-58.82	-166.93	-0.32	-2.33	-345.34	MIN
283	-0.18	0.11	0.23	0.14	7.80	MAX
	-0.18	0.11	0.23	0.14	7.80	MIN
284	-1.70	-3.61	0.06	0.08	15.02	MAX
	-1.70	-3.61	0.06	0.08	15.02	MIN
285	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
286	-4.25	-14.16	-0.10	0.00	22.25	MAX
	-4.25	-14.16	-0.10	0.00	22.25	MIN
287	-141.99	-473.29	-23.44	0.00	-248.41	MAX
	-448.82	-1496.07	-44.45	0.00	-613.88	MIN
288	-114.14	-365.39	-35.49	-1.65	-202.00	MAX
	-375.92	-1226.76	-70.05	-93.81	-486.35	MIN
289	4.54	-238.53	-68.59	331.64	-160.71	MAX
	-193.70	-929.87	-211.44	286.55	-393.91	MIN
290	-30.48	-79.56	11.05	162.08	-182.39	MAX
	-162.01	-501.67	-9.97	62.78	-582.23	MIN
291	7.69	36.27	24.02	158.78	-98.06	MAX
	0.73	-17.88	20.29	28.22	-449.79	MIN
292	71.62	214.80	220.92	308.11	42.40	MAX
	-19.11	66.31	70.06	-180.24	-37.60	MIN
293	68.17	234.91	98.23	-69.98	64.09	MAX
	18.46	38.22	17.30	-115.56	31.70	MIN
294	16.13	52.56	75.56	-112.01	39.29	MAX
	8.47	13.31	14.88	-211.36	-18.60	MIN
295	-0.11	0.05	-0.09	-0.61	7.37	MAX
	-0.11	0.05	-0.09	-0.61	7.37	MIN
296	-1.28	-3.73	-0.14	0.17	14.74	MAX
	-1.28	-3.73	-0.14	0.17	14.74	MIN
297	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
298	-4.43	-14.77	-0.11	0.00	22.12	MAX
	-4.43	-14.77	-0.11	0.00	22.12	MIN
299	-115.69	-385.63	0.52	0.00	-284.25	MAX
	-395.52	-1318.40	-0.35	0.00	-828.13	MIN
300	-77.57	-95.29	1.00	1.76	-154.39	MAX
	-222.43	-524.18	-0.61	-0.82	-914.28	MIN
301	-380.28	-521.45	1.72	2.16	-489.33	MAX
	-614.31	-1203.93	-0.93	-0.79	-1518.89	MIN
302	-64.50	-136.71	2.66	2.33	-585.01	MAX
	-277.75	-801.64	-1.31	-0.64	-1364.77	MIN
303	39.36	50.37	3.29	2.31	-124.56	MAX
	-70.96	-56.59	-1.55	-0.50	-463.56	MIN
304	73.27	105.39	3.30	1.84	-3.78	MAX
	-27.05	52.25	-1.55	-0.21	-100.11	MIN
305	60.30	53.60	2.29	0.51	71.45	MAX
	-54.82	20.91	-1.09	0.38	37.66	MIN
306	52.10	60.87	1.41	3.55	108.22	MAX
	-3.04	8.05	-0.70	-5.68	49.64	MIN
307	0.16	-0.13	0.30	-0.24	7.33	MAX
	0.16	-0.13	0.30	-0.24	7.33	MIN
308	-0.64	-3.78	0.01	-0.32	14.97	MAX
	-0.64	-3.78	0.01	-0.32	14.97	MIN
309	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
310	-4.58	-15.27	-0.28	0.00	22.61	MAX
	-4.58	-15.27	-0.28	0.00	22.61	MIN
311	-141.48	-471.61	45.56	0.00	-248.12	MAX
	-449.52	-1498.41	22.73	0.00	-613.03	MIN
312	-113.64	-363.91	72.17	97.52	-201.69	MAX
	-377.06	-1229.60	34.24	0.00	-485.67	MIN
313	5.02	-237.31	215.07	-288.13	-160.39	MAX
	-195.24	-932.79	66.70	-327.15	-393.60	MIN
314	-30.02	-78.68	15.53	-64.05	-182.07	MAX
	-164.16	-504.28	-13.70	-157.27	-582.33	MIN
315	8.17	36.81	-13.44	-29.18	-97.77	MAX
	-2.04	-19.76	-27.16	-154.05	-450.20	MIN
316	72.14	213.81	-73.20	179.86	42.63	MAX
	-22.45	66.55	-214.06	-304.38	-38.13	MIN
317	64.59	234.51	-19.52	116.63	63.68	MAX
	19.00	38.31	-93.46	70.68	31.84	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]		
318	12.54 9.01	52.43 13.33	-16.30 -72.64	199.45 119.26	38.98 -18.51	MAX MIN	
319	0.14 0.14	-0.02 -0.02	-0.53 -0.53	0.51 0.51	7.02 7.02	MAX MIN	
320	-0.77 -0.77	-3.53 -3.53	-0.64 -0.64	-0.41 -0.41	14.45 14.45	MAX MIN	
321	-4.40 -4.40	-14.67 -14.67	2.23 2.23	0.00 0.00	21.53 21.53	MAX MIN	
322	-4.40 -4.40	-14.67 -14.67	2.23 2.23	0.00 0.00	21.53 21.53	MAX MIN	
323	-4.40 -4.40	-14.67 -14.67	2.23 2.23	0.00 0.00	21.53 21.53	MAX MIN	
324	-160.42 -480.70	-534.73 -1602.32	1.14 -0.58	0.00 0.00	-276.46 -542.76	MAX MIN	
325	-39.30 -275.05	-327.21 -1180.63	2.13 -1.02	3.56 -1.30	-235.65 -501.33	MAX MIN	
326	12.78 -188.32	-202.52 -888.29	3.52 -1.53	4.12 -1.19	-183.89 -478.33	MAX MIN	
327	26.52 -90.58	-47.10 -470.03	5.24 -2.14	4.20 -0.90	-170.74 -593.21	MAX MIN	
328	113.00 51.82	293.91 210.59	6.31 -2.53	3.99 -0.64	-123.50 -1219.82	MAX MIN	
329	323.77 -201.47	409.12 -165.85	6.26 -2.55	3.03 -0.16	-425.26 -1218.16	MAX MIN	
330	-115.22 -134.59	-193.29 -605.27	4.34 -1.80	1.04 0.28	-489.06 -516.16	MAX MIN	
331	-57.79 -59.02	-34.21 -167.19	2.67 -1.16	6.12 -11.22	-206.07 -345.97	MAX MIN	
332	-0.18 -0.18	0.11 0.11	0.23 0.23	0.14 0.14	7.80 7.80	MAX MIN	
333	-1.70 -1.70	-3.61 -3.61	0.06 0.06	0.08 0.08	15.02 15.02	MAX MIN	
334	-4.25 -4.25	-14.16 -14.16	-0.10 -0.10	0.00 0.00	22.25 22.25	MAX MIN	
335	-4.25 -4.25	-14.16 -14.16	-0.10 -0.10	0.00 0.00	22.25 22.25	MAX MIN	
336	-140.62 -451.10	-468.75 -1503.66	-23.90 -43.12	0.00 0.00	-247.46 -612.04	MAX MIN	
337	-112.88 -379.41	-361.50 -1235.42	-36.30 -67.65	-2.58 -90.06	-201.03 -484.95	MAX MIN	
338	5.68 -198.24	-235.38 -938.38	-69.78 -207.68	335.70 285.77	-159.75 -393.53	MAX MIN	
339	-29.46 -168.13	-77.33 -508.94	9.39 -4.63	165.87 62.29	-181.49 -582.89	MAX MIN	
340	8.68 -6.94	37.63 -22.93	26.51 22.05	162.14 27.96	-97.28 -451.13	MAX MIN	
341	72.67 -28.18	212.23 66.91	226.97 68.05	310.46 -180.11	43.01 -39.11	MAX MIN	
342	58.55 19.56	233.89 38.45	102.41 15.88	-70.27 -114.46	62.97 32.07	MAX MIN	
343	9.56 6.48	52.24 13.37	78.16 13.95	-106.78 -222.77	38.48 -18.36	MAX MIN	
344	-0.11 -0.11	0.05 0.05	-0.09 -0.09	-0.61 -0.61	7.37 7.37	MAX MIN	
345	-1.28 -1.28	-3.73 -3.73	-0.14 -0.14	0.17 0.17	14.74 14.74	MAX MIN	
346	-4.43 -4.43	-14.77 -14.77	-0.11 -0.11	0.00 0.00	22.12 22.12	MAX MIN	
347	-4.43 -4.43	-14.77 -14.77	-0.11 -0.11	0.00 0.00	22.12 22.12	MAX MIN	
348	-113.96 -398.89	-379.85 -1329.63	2.38 -0.85	0.00 0.00	-282.86 -826.33	MAX MIN	
349	-76.07 -227.37	-90.46 -536.41	4.30 -1.47	6.75 -1.73	-153.02 -913.06	MAX MIN	
350	-379.01 -620.55	-517.58 -1215.50	6.74 -2.20	7.28 -1.47	-488.04 -1518.98	MAX MIN	
351	-63.48 -285.93	-134.00 -811.13	9.55 -3.08	6.82 -0.99	-583.86 -1366.08	MAX MIN	
352	40.27 -80.96	52.02 -62.95	11.11 -3.69	6.06 -0.59	-123.58 -465.53	MAX MIN	
353	74.22 -38.62	102.27 52.98	10.79 -3.77	4.24 0.14	-3.02 -102.11	MAX MIN	
354	61.31 -67.01	52.37 21.19	7.46 -2.69	1.96 -0.45	70.03 38.12	MAX MIN	
355	53.09 -15.25	60.49 8.12	4.62 -1.75	9.70 -20.24	107.22 49.93	MAX MIN	
356	0.16 0.16	-0.13 -0.13	0.30 0.30	-0.24 -0.24	7.33 7.33	MAX MIN	
357	-0.64 -0.64	-3.78 -3.78	0.01 0.01	-0.32 -0.32	14.97 14.97	MAX MIN	
358	-4.58 -4.58	-15.27 -15.27	-0.28 -0.28	0.00 0.00	22.61 22.61	MAX MIN	
359	-4.58 -4.58	-15.27 -15.27	-0.28 -0.28	0.00 0.00	22.61 22.61	MAX MIN	

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
360	-139.35	-464.51	48.17	0.00	-246.17	MAX
	-454.44	-1514.78	22.22	0.00	-611.73	MIN
361	-111.95	-358.12	76.72	104.13	-199.82	MAX
	-383.95	-1246.58	33.38	-0.78	-485.11	MIN
362	6.31	-232.73	221.74	-288.62	-158.71	MAX
	-203.70	-948.20	65.42	-320.71	-394.67	MIN
363	-29.17	-75.48	24.38	-64.18	-180.63	MAX
	-174.88	-516.32	-15.54	-152.08	-584.73	MIN
364	8.78	38.78	-3.73	-29.06	-96.58	MAX
	-14.73	-27.44	-29.46	-150.08	-453.08	MIN
365	72.78	210.21	-75.67	180.47	43.56	MAX
	-36.74	67.43	-204.93	-302.15	-40.73	MIN
366	49.71	233.13	-21.32	118.52	61.95	MAX
	19.71	38.65	-87.21	69.03	32.41	MIN
367	9.69	52.02	-17.50	181.17	37.81	MAX
	-2.35	13.42	-68.73	126.56	-18.14	MIN
368	0.14	-0.02	-0.53	0.51	7.02	MAX
	0.14	-0.02	-0.53	0.51	7.02	MIN
369	-0.77	-3.53	-0.64	-0.41	14.45	MAX
	-0.77	-3.53	-0.64	-0.41	14.45	MIN
370	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
371	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
372	-4.40	-14.67	2.23	0.00	21.53	MAX
	-4.40	-14.67	2.23	0.00	21.53	MIN
373	-157.90	-526.33	4.81	0.00	-273.85	MAX
	-487.79	-1625.97	-1.02	0.00	-542.78	MIN
374	-37.54	-320.54	8.37	12.29	-233.20	MAX
	-284.58	-1203.93	-1.78	-1.76	-502.28	MIN
375	13.88	-197.27	12.33	12.09	-181.82	MAX
	-199.66	-908.45	-2.71	-1.32	-481.19	MIN
376	26.89	-43.39	16.42	9.93	-169.06	MAX
	-104.39	-484.81	-3.96	-0.72	-597.34	MIN
377	97.29	285.10	18.11	7.81	-122.11	MAX
	51.81	212.95	-4.99	-0.26	-1223.94	MIN
378	306.74	405.28	17.06	4.65	-424.15	MAX
	-201.44	-164.75	-5.33	0.74	-1221.43	MIN
379	-115.08	-192.85	11.70	3.45	-488.35	MAX
	-152.07	-606.68	-3.85	-2.59	-518.16	MIN
380	-57.68	-34.10	7.29	14.87	-205.61	MAX
	-76.48	-167.58	-2.55	-33.66	-347.26	MIN
381	-0.18	0.11	0.23	0.14	7.80	MAX
	-0.18	0.11	0.23	0.14	7.80	MIN
382	-1.70	-3.61	0.06	0.08	15.02	MAX
	-1.70	-3.61	0.06	0.08	15.02	MIN
383	-4.25	-14.16	-0.11	0.00	22.25	MAX
	-4.25	-14.16	-0.11	0.00	22.25	MIN
384	-4.25	-14.16	-0.11	0.00	22.25	MAX
	-4.25	-14.16	-0.11	0.00	22.25	MIN
385	-137.78	-459.26	-24.14	0.00	-244.14	MAX
	-461.28	-1537.58	-37.98	0.00	-614.79	MIN
386	-111.31	-354.19	-36.75	-2.41	-198.02	MAX
	-392.53	-1267.07	-59.11	-78.65	-488.83	MIN
387	6.22	-229.56	-70.65	345.26	-157.40	MAX
	-213.30	-964.25	-196.16	286.23	-399.52	MIN
388	-30.02	-73.02	9.24	171.67	-179.69	MAX
	-185.62	-526.38	7.72	62.87	-589.70	MIN
389	7.62	40.55	40.39	165.07	-95.73	MAX
	-25.85	-32.33	19.42	28.57	-456.92	MIN
390	71.76	208.64	239.24	310.73	44.35	MAX
	-47.63	68.36	64.86	-178.94	-43.08	MIN
391	38.99	232.68	110.69	-74.92	60.82	MAX
	18.85	39.03	13.46	-111.46	32.97	MIN
392	8.82	51.95	83.37	-96.14	37.19	MAX
	-12.99	13.52	12.29	-249.40	-17.76	MIN
393	-0.12	0.05	-0.09	-0.61	7.37	MAX
	-0.12	0.05	-0.09	-0.61	7.37	MIN
394	-1.28	-3.74	-0.15	0.17	14.75	MAX
	-1.28	-3.74	-0.15	0.17	14.75	MIN
395	-4.43	-14.78	-0.11	0.00	22.12	MAX
	-4.43	-14.78	-0.11	0.00	22.12	MIN
396	-4.43	-14.78	-0.11	0.00	22.12	MAX
	-4.43	-14.78	-0.11	0.00	22.12	MIN
397	-110.97	-369.90	9.58	0.00	-279.03	MAX
	-413.42	-1378.06	-0.64	0.00	-834.32	MIN
398	-75.14	-83.00	15.96	21.36	-149.70	MAX
	-245.30	-578.96	-1.27	-0.44	-922.31	MIN
399	-379.63	-511.35	21.64	18.15	-485.73	MAX
	-640.31	-1247.94	-2.43	-0.14	-1530.17	MIN
400	-65.63	-128.90	26.33	11.62	-582.19	MAX
	-307.59	-830.59	-4.44	-0.01	-1376.93	MIN
401	37.61	55.83	26.71	6.79	-121.96	MAX
	-102.87	-71.80	-6.55	0.14	-473.47	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
402	72.02	99.76	23.88	2.04	-1.40	MAX
	-59.57	55.04	-7.61	1.47	-106.66	MIN
403	59.48	51.74	16.15	5.61	67.99	MAX
	-87.40	22.04	-5.65	-7.57	39.29	MIN
404	51.25	60.46	10.14	22.89	106.17	MAX
	-35.44	8.37	-3.80	-50.39	50.75	MIN
405	0.16	-0.13	0.30	-0.25	7.34	MAX
	0.16	-0.13	0.30	-0.25	7.34	MIN
406	-0.64	-3.78	0.01	-0.33	14.98	MAX
	-0.64	-3.78	0.01	-0.33	14.98	MIN
407	-4.58	-15.28	-0.28	0.00	22.62	MAX
	-4.58	-15.28	-0.28	0.00	22.62	MIN
408	-4.58	-15.28	-0.28	0.00	22.62	MAX
	-4.58	-15.28	-0.28	0.00	22.62	MIN
409	-136.64	-455.48	58.23	0.00	-242.53	MAX
	-475.13	-1583.77	23.31	0.00	-629.35	MIN
410	-112.47	-351.40	92.54	122.13	-196.94	MAX
	-408.16	-1303.13	34.83	2.32	-503.86	MIN
411	3.57	-226.25	240.73	-286.16	-157.20	MAX
	-229.09	-987.62	66.31	-309.73	-414.33	MIN
412	-33.84	-69.11	43.98	-63.02	-179.59	MAX
	-200.76	-536.11	-16.41	-150.46	-601.44	MIN
413	3.89	44.15	12.70	-28.58	-95.00	MAX
	-38.70	-33.63	-32.79	-153.72	-463.55	MIN
414	69.01	210.17	-80.58	181.72	45.58	MAX
	-57.26	70.54	-192.34	-308.42	-45.43	MIN
415	30.78	233.66	-25.16	122.85	60.53	MAX
	16.63	39.97	-39.97	58.68	34.01	MIN
416	6.62	52.39	-20.16	149.44	37.41	MAX
	-20.94	13.81	-63.51	143.37	-16.99	MIN
417	0.16	-0.02	-0.53	0.47	7.03	MAX
	0.16	-0.02	-0.53	0.47	7.03	MIN
418	-0.76	-3.53	-0.64	-0.43	14.47	MAX
	-0.76	-3.53	-0.64	-0.43	14.47	MIN
419	-4.40	-14.68	2.24	0.00	21.55	MAX
	-4.40	-14.68	2.24	0.00	21.55	MIN
420	-4.40	-14.68	2.24	0.00	21.55	MAX
	-4.40	-14.68	2.24	0.00	21.55	MIN
421	-4.40	-14.68	2.24	0.00	21.55	MAX
	-4.40	-14.68	2.24	0.00	21.55	MIN
422	-156.28	-520.92	18.69	0.00	-272.27	MAX
	-517.22	-1724.08	1.68	0.00	-577.67	MIN
423	-40.82	-316.01	29.57	32.62	-232.61	MAX
	-316.47	-1277.97	1.91	3.94	-537.46	MIN
424	7.63	-190.53	36.00	19.91	-182.63	MAX
	-230.85	-954.18	0.00	2.10	-514.22	MIN
425	18.58	-34.66	38.38	4.32	-169.42	MAX
	-133.28	-501.50	-4.27	-0.15	-622.12	MIN
426	73.57	285.10	33.68	-0.75	-120.61	MAX
	44.13	221.06	-9.32	-3.65	-1236.88	MIN
427	289.85	409.66	27.09	1.55	-421.44	MAX
	-206.84	-159.94	-12.04	-7.72	-1225.21	MIN
428	-119.30	-190.79	17.69	8.59	-486.05	MAX
	-165.88	-604.12	-9.15	-16.53	-517.94	MIN
429	-61.83	-33.40	11.32	36.82	-203.89	MAX
	-89.70	-166.28	-6.14	-63.02	-346.22	MIN
430	-0.11	0.12	0.24	0.12	7.82	MAX
	-0.11	0.12	0.24	0.12	7.82	MIN
431	-1.65	-3.60	0.08	0.02	15.04	MAX
	-1.65	-3.60	0.08	0.02	15.04	MIN
432	-4.25	-14.16	-0.09	0.00	22.26	MAX
	-4.25	-14.16	-0.09	0.00	22.26	MIN
433	-4.25	-14.16	-0.09	0.00	22.26	MAX
	-4.25	-14.16	-0.09	0.00	22.26	MIN
434	-138.77	-462.58	-18.65	0.00	-249.04	MAX
	-503.04	-1676.80	-19.47	0.00	-679.91	MIN
435	-119.22	-353.96	-29.36	6.14	-203.79	MAX
	-431.95	-1361.65	-31.64	-60.70	-551.70	MIN
436	-5.25	-221.93	-65.22	342.45	-163.33	MAX
	-247.70	-1013.38	-167.40	289.18	-452.79	MIN
437	-43.00	-59.74	32.49	151.39	-182.42	MAX
	-213.31	-533.78	7.73	60.77	-624.60	MIN
438	-3.03	53.24	53.08	140.98	-93.97	MAX
	-44.86	-20.74	13.17	25.91	-471.09	MIN
439	65.14	220.60	243.36	290.21	48.46	MAX
	-56.14	75.85	55.10	-178.79	-43.32	MIN
440	35.29	238.23	112.46	-92.62	64.48	MAX
	13.90	42.07	6.02	-105.48	36.32	MIN
441	3.89	53.09	84.24	-66.27	40.53	MAX
	-16.81	14.29	7.15	-267.40	-15.50	MIN
442	-0.10	-0.04	-0.04	-0.37	7.23	MAX
	-0.10	-0.04	-0.04	-0.37	7.23	MIN
443	-1.05	-3.68	-0.07	0.02	14.64	MAX
	-1.05	-3.68	-0.07	0.02	14.64	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
444	-4.42	-14.74	-0.03	0.00	22.04	MAX
	-4.42	-14.74	-0.03	0.00	22.04	MIN
445	-4.42	-14.74	-0.03	0.00	22.04	MAX
	-4.42	-14.74	-0.03	0.00	22.04	MIN
446	-117.28	-390.93	32.01	0.00	-300.30	MAX
	-472.05	-1573.50	9.28	0.00	-951.01	MIN
447	-89.47	-89.63	49.53	23.49	-170.19	MAX
	-286.14	-694.96	12.05	8.64	-1029.81	MIN
448	-397.22	-500.45	55.06	-2.88	-501.44	MAX
	-667.43	-1293.71	6.65	-11.71	-1612.01	MIN
449	-83.57	-106.98	50.95	-8.92	-587.80	MAX
	-324.36	-819.18	-4.47	-33.41	-1422.38	MIN
450	25.04	75.95	33.00	-6.65	-118.34	MAX
	-109.15	-40.28	-16.82	-38.26	-485.18	MIN
451	65.00	122.13	20.82	1.30	4.96	MAX
	-53.91	65.39	-21.14	-27.76	-99.81	MIN
452	54.09	61.62	9.71	15.15	79.20	MAX
	-78.19	26.19	-16.42	-22.90	44.72	MIN
453	46.36	67.07	7.43	61.20	117.01	MAX
	-21.99	10.25	-10.48	-47.64	55.64	MIN
454	0.10	0.00	-0.01	-0.32	7.45	MAX
	0.10	0.00	-0.01	-0.32	7.45	MIN
455	-1.03	-3.71	0.00	-0.13	14.82	MAX
	-1.03	-3.71	0.00	-0.13	14.82	MIN
456	-4.43	-14.77	0.00	0.00	22.20	MAX
	-4.43	-14.77	0.00	0.00	22.20	MIN
457	-4.43	-14.77	0.00	0.00	22.20	MAX
	-4.43	-14.77	0.00	0.00	22.20	MIN
458	-153.12	-510.40	78.19	0.00	-299.33	MAX
	-555.94	-1853.12	39.11	0.00	-823.19	MIN
459	-130.50	-365.81	123.70	77.28	-247.54	MAX
	-423.35	-1433.41	55.18	1.00	-675.53	MIN
460	-16.49	-205.62	281.56	-309.30	-188.84	MAX
	-217.14	-1016.47	81.11	-396.59	-529.75	MIN
461	-53.31	-30.46	71.01	-87.16	-186.74	MAX
	-188.03	-492.00	-17.77	-240.85	-656.05	MIN
462	-11.24	73.25	17.22	-40.26	-85.22	MAX
	-27.49	25.99	-47.10	-209.47	-465.47	MIN
463	63.54	254.97	-105.17	192.55	59.39	MAX
	-34.44	85.99	-226.05	-354.56	-18.06	MIN
464	71.24	262.29	-39.30	131.02	78.64	MAX
	12.93	46.50	-95.96	47.80	38.67	MIN
465	10.35	54.09	-30.11	186.32	42.93	MAX
	4.07	15.39	-77.42	181.49	-20.33	MIN
466	0.38	0.04	0.00	-0.41	7.47	MAX
	0.38	0.04	0.00	-0.41	7.47	MIN
467	-0.78	-3.67	0.07	-0.32	14.88	MAX
	-0.78	-3.67	0.07	-0.32	14.88	MIN
468	-4.45	-14.82	0.10	0.00	22.28	MAX
	-4.45	-14.82	0.10	0.00	22.28	MIN
469	-4.45	-14.82	0.10	0.00	22.28	MAX
	-4.45	-14.82	0.10	0.00	22.28	MIN
470	-4.45	-14.82	0.10	0.00	22.28	MAX
	-4.45	-14.82	0.10	0.00	22.28	MIN
471	-188.39	-627.98	20.52	0.00	-403.79	MAX
	-615.98	-2053.26	10.71	0.00	-869.60	MIN
472	-47.85	-337.34	53.23	-28.14	-343.21	MAX
	-249.45	-1414.81	34.35	-57.14	-788.95	MIN
473	1.38	-148.36	72.40	-73.94	-238.25	MAX
	-121.30	-960.54	17.52	-162.38	-670.85	MIN
474	12.34	31.96	86.33	-80.33	-166.79	MAX
	-39.40	-399.37	-5.04	-203.20	-664.07	MIN
475	86.11	401.94	29.48	6.02	-96.26	MAX
	29.45	273.58	-30.91	-91.75	-1254.53	MIN
476	316.49	457.43	75.24	32.82	-433.37	MAX
	-230.37	-165.18	-11.12	-19.42	-1256.18	MIN
477	-107.75	-204.76	-13.06	31.46	-505.25	MAX
	-118.34	-653.21	-27.29	-52.86	-514.67	MIN
478	-4.52	-35.64	-11.95	96.16	-196.57	MAX
	-56.93	-162.86	-17.25	39.52	-331.30	MIN
479	0.31	-0.25	0.05	-0.17	7.26	MAX
	0.31	-0.25	0.05	-0.17	7.26	MIN
480	-0.19	-3.58	0.15	-0.54	14.68	MAX
	-0.19	-3.58	0.15	-0.54	14.68	MIN
481	-4.42	-14.74	0.29	0.00	22.09	MAX
	-4.42	-14.74	0.29	0.00	22.09	MIN
482	-4.42	-14.74	0.29	0.00	22.09	MAX
	-4.42	-14.74	0.29	0.00	22.09	MIN
483	-197.76	-659.19	2.31	0.00	-454.43	MAX
	-619.68	-2065.61	-55.29	0.00	-894.08	MIN
484	-15.00	-338.43	15.82	-38.35	-385.38	MAX
	-100.39	-1421.13	5.39	-151.38	-824.18	MIN
485	4.46	-138.70	69.30	-27.63	-262.84	MAX
	-48.53	-972.34	20.29	-101.11	-719.27	MIN

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
486	13.40	59.44	70.56	-22.24	-153.94	MAX
	-9.41	-366.37	4.10	-76.53	-709.53	MIN
487	48.63	173.95	52.27	87.22	-17.53	MAX
	-21.88	112.15	1.06	48.98	-533.21	MIN
488	23.56	383.91	334.39	403.06	29.30	MAX
	-0.69	51.20	80.48	-223.54	-149.94	MIN
489	83.48	228.26	100.15	-89.23	4.83	MAX
	-39.91	12.21	1.22	-119.20	-40.74	MIN
490	94.09	45.67	68.99	-33.39	-22.10	MAX
	-10.42	11.74	4.11	-159.95	-76.61	MIN
491	0.14	0.05	-0.32	0.12	7.18	MAX
	0.14	0.05	-0.32	0.12	7.18	MIN
492	0.46	-3.40	0.15	-0.66	14.02	MAX
	0.46	-3.40	0.15	-0.66	14.02	MIN
493	-4.37	-14.57	0.81	0.00	20.85	MAX
	-4.37	-14.57	0.81	0.00	20.85	MIN
494	-4.37	-14.57	0.81	0.00	20.85	MAX
	-4.37	-14.57	0.81	0.00	20.85	MIN
495	-196.89	-656.30	-29.21	0.00	-439.84	MAX
	-604.49	-2014.97	-176.73	0.00	-608.18	MIN
496	38.28	-334.15	7.03	-41.69	-424.61	MAX
	19.91	-1418.18	-21.68	-164.65	-754.65	MIN
497	4.39	-131.64	72.39	-9.80	-357.71	MAX
	-14.87	-958.72	24.24	-59.07	-981.80	MIN
498	-0.28	53.53	63.37	-3.40	-203.66	MAX
	-4.59	-359.54	7.66	-48.11	-975.30	MIN
499	29.49	162.47	70.68	175.41	2.88	MAX
	3.56	111.92	12.76	29.63	-573.36	MIN
500	11.01	270.76	10.36	140.37	126.18	MAX
	-12.44	45.11	-13.32	-59.29	-18.85	MIN
501	-24.09	144.54	61.73	-78.45	224.71	MAX
	-60.59	9.97	0.46	-100.86	114.70	MIN
502	126.24	113.17	11.86	-62.50	228.52	MAX
	14.68	10.43	-5.94	-186.47	84.07	MIN

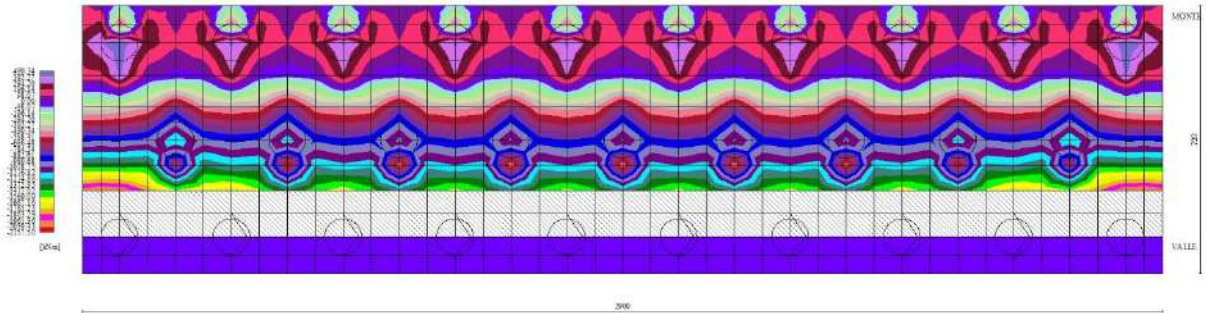


Fig. 6 - Piastra fondazione - Momento My (Combinazione n° 2)

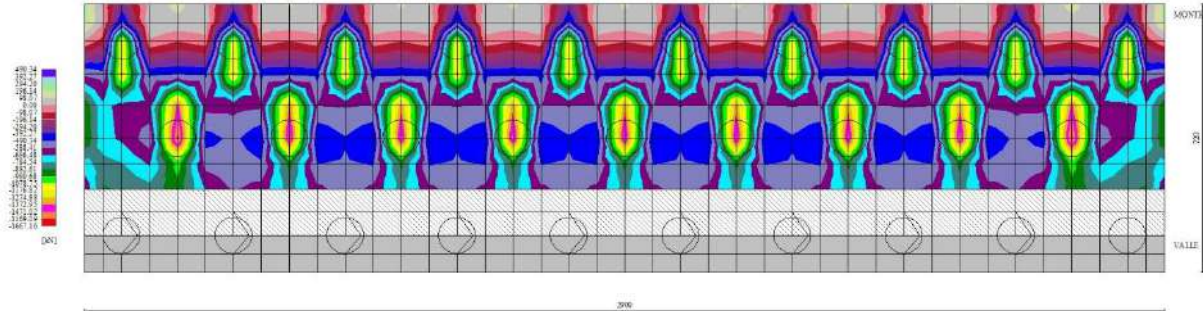


Fig. 7 - Piastra fondazione - Taglio Ty (Combinazione n° 2)

Sollecitazioni pali

Simbologia adottata

- N Sforzo normale, espresso in [kN]. Positivo se di compressione.
- T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
- M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	756.55	12609.57	-272.20	-1255.28	-607.54	-2801.78
19	7.20	620.37	12270.27	0.20	20.77	162.71	885.34
29	11.20	544.72	12081.76	20.58	111.44	108.87	557.45
101	40.00	0.00	0.00	0.00	0.01	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1147.75	12609.56	-272.20	-1104.95	-607.54	-2466.25
19	7.20	1218.60	12270.25	0.20	10.58	162.71	723.92
29	11.20	1257.96	12081.75	20.58	91.29	108.87	467.18
101	40.00	1541.34	10743.39	0.00	0.01	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1538.95	12609.99	-272.20	-1104.95	-607.54	-2466.25
19	7.20	1595.97	12270.59	0.20	10.58	162.71	723.92
29	11.20	1627.65	12082.03	20.58	91.29	108.87	467.18
101	40.00	1855.72	10743.36	0.00	0.01	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	-1058.81	-12609.49	-922.66	-1361.45	-1898.82	-2801.78
18	6.80	-878.82	-12289.04	2.02	29.88	623.18	1144.17
28	10.80	-772.93	-12100.53	78.77	143.94	414.77	715.02
101	40.00	0.00	0.00	0.01	0.02	0.00	0.00

Palo n° 2

RELAZIONE DI CALCOLO

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1269.94	12610.60	-922.66	-1241.62	-1898.82	-2555.24
18	6.80	1332.77	12289.98	1.99	19.09	622.95	968.26
28	10.80	1369.73	12101.38	78.74	121.97	414.67	616.10
101	40.00	1639.54	10743.63	0.01	0.02	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	3554.66	12609.60	-922.66	-1241.62	-1898.82	-2555.24
18	6.80	3541.22	12288.91	1.99	19.09	622.95	968.26
28	10.80	3533.31	12100.27	78.74	121.97	414.67	616.10
101	40.00	3475.60	10742.29	0.01	0.02	0.00	0.00

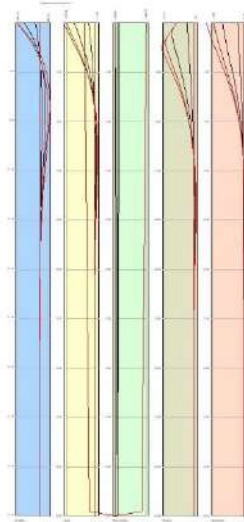


Fig. 8 - Sollecitazioni palo (Palo n° 1) (Involuppo)

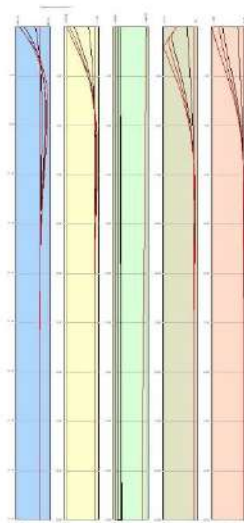


Fig. 9 - Sollecitazioni palo (Palo n° 2) (Involuppo)

RELAZIONE DI CALCOLO

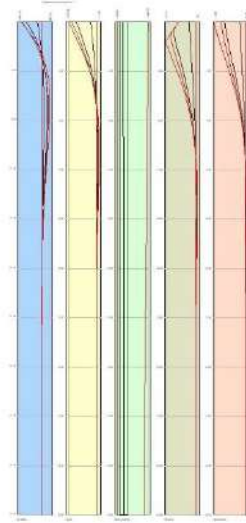


Fig. 10 - Sollecitazioni palo (Palo n° 3) (Inviluppo)

Verifiche strutturali

Verifiche a flessione

Elementi calcolati a trave

Simbologia adottata

n°	indice sezione
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi	area ferri inferiori espresso in [cmq]
Afs	area ferri superiori espressa in [cmq]
M	momento agente espressa in [kNm]
N	sforzo normale agente espressa in [kN]
Mu	momento ultimi espresso in [kNm]
Nu	sforzo normale ultimo espressa in [kN]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Elementi calcolati a piastra

Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi, Afs	area ferri inferiori e superiori, espresso in [cmq]
Mp, Mn	momento positivo e negativo agente espressa in [kNm]
Mu	momento ultimi espresso in [kNm]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Paramento

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	100	30	22.62	22.62	0.00	0.00	0.00	0.00	100000.000
2	100	31	22.62	22.62	0.24	0.75	195.69	0.75	813.576
3	100	33	22.62	22.62	0.97	1.54	208.37	1.54	215.586
4	100	34	22.62	22.62	2.18	2.36	220.72	2.36	101.039
5	100	36	22.62	22.62	3.90	3.22	233.07	3.22	59.743
6	100	37	22.62	22.62	6.12	4.11	245.43	4.11	40.082
7	100	39	22.62	22.62	8.86	5.04	257.80	5.04	29.108
8	100	40	22.62	22.62	12.11	6.00	270.19	6.00	22.314
9	100	41	22.62	22.62	15.89	7.00	282.60	7.00	17.790
10	100	43	22.62	22.62	20.19	8.03	295.03	8.03	14.609
11	100	44	22.62	22.62	25.04	9.10	307.47	9.10	12.279

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
12	100	46	22.62	22.62	30.43	10.20	319.94	10.20	10.513
13	100	47	22.62	22.62	36.38	11.34	332.42	11.34	9.139
14	100	49	22.62	22.62	42.88	12.51	344.92	12.51	8.045
15	100	50	22.62	22.62	49.94	13.72	357.44	13.72	7.157
16	100	51	22.62	22.62	57.58	14.96	369.98	14.96	6.426
17	100	53	22.62	22.62	65.79	16.23	382.55	16.23	5.815
18	100	54	22.62	22.62	74.59	17.55	395.15	17.55	5.298
19	100	56	22.62	22.62	83.98	18.89	408.01	18.89	4.858
20	100	57	22.62	22.62	93.97	20.27	420.69	20.27	4.477
21	100	58	22.62	45.24	104.56	21.69	829.82	21.69	7.937
22	100	60	22.62	45.24	115.76	23.14	855.23	23.14	7.388
23	100	61	22.62	45.24	127.57	24.63	880.67	24.63	6.903
24	100	63	22.62	45.24	140.02	26.15	906.13	26.15	6.472
25	100	64	22.62	45.24	153.09	27.70	931.60	27.70	6.085
26	100	66	22.62	45.24	166.80	29.29	957.10	29.29	5.738
27	100	67	22.62	45.24	181.15	30.92	982.62	30.92	5.424
28	100	68	22.62	45.24	196.15	32.58	1008.16	32.58	5.140
29	100	70	22.62	45.24	211.81	34.27	1033.73	34.27	4.880
30	100	71	22.62	45.24	228.14	36.00	1059.31	36.00	4.643
31	100	73	22.62	45.24	245.13	37.77	1084.92	37.77	4.426
32	100	74	22.62	45.24	262.80	39.57	1110.56	39.57	4.226
33	100	76	22.62	45.24	281.15	41.40	1136.22	41.40	4.041
34	100	77	22.62	45.24	300.19	43.27	1161.91	43.27	3.871
35	100	78	22.62	45.24	319.93	45.18	1187.62	45.18	3.712
36	100	80	22.62	45.24	340.37	47.11	1213.37	47.11	3.565
37	100	81	22.62	45.24	361.52	49.09	1239.14	49.09	3.428
38	100	83	22.62	45.24	383.39	51.10	1264.94	51.10	3.299
39	100	84	22.62	45.24	405.98	53.14	1290.78	53.14	3.179
40	100	86	22.62	45.24	429.30	55.22	1316.66	55.22	3.067
41	100	87	22.62	45.24	453.35	57.33	1342.56	57.33	2.961
42	100	88	22.62	45.24	478.15	59.48	1368.51	59.48	2.862
43	100	90	22.62	45.24	503.69	61.67	1394.49	61.67	2.769
44	100	91	22.62	45.24	529.99	63.89	1420.51	63.89	2.680
45	100	93	22.62	45.24	557.06	66.14	1446.56	66.14	2.597
46	100	94	22.62	45.24	584.89	68.43	1472.66	68.43	2.518
47	100	95	22.62	45.24	613.50	70.75	1499.29	70.75	2.444
48	100	97	22.62	45.24	642.88	73.11	1526.11	73.11	2.374
49	100	98	22.62	45.24	673.06	75.50	1552.99	75.50	2.307
50	100	100	22.62	45.24	704.03	77.93	1579.37	77.93	2.243
51	100	101	22.62	45.24	735.81	80.39	1605.77	80.39	2.182
52	100	103	22.62	67.86	768.39	82.89	2395.07	82.89	3.117
53	100	104	22.62	67.86	801.79	85.42	2433.83	85.42	3.036
54	100	105	22.62	67.86	836.01	87.99	2472.62	87.99	2.958
55	100	107	22.62	67.86	871.05	90.59	2511.46	90.59	2.883
56	100	108	22.62	67.86	906.93	93.23	2550.35	93.23	2.812
57	100	110	22.62	67.86	943.65	95.90	2589.27	95.90	2.744
58	100	111	22.62	67.86	981.22	98.61	2628.24	98.61	2.679
59	100	113	0.00	45.24	1019.65	101.35	1808.82	101.35	1.774
60	100	114	0.00	45.24	1058.93	104.13	1835.40	104.13	1.733
61	100	115	0.00	45.24	1099.08	106.94	1862.04	106.94	1.694
62	100	117	0.00	45.24	1140.11	109.78	1888.72	109.78	1.657
63	100	118	0.00	45.24	1182.02	112.67	1915.71	112.67	1.621
64	100	120	0.00	45.24	1224.81	115.58	1943.26	115.58	1.587
65	100	121	0.00	45.24	1268.50	118.53	1970.89	118.53	1.554
66	100	123	0.00	45.24	1313.09	121.52	1998.61	121.52	1.522
67	100	124	0.00	45.24	1358.58	124.54	2026.42	124.54	1.492
68	100	125	0.00	45.24	1404.99	127.60	2051.67	127.60	1.460

Fondazione

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-1-P	27.14	27.14	0.21	-1.02	1207.99	100.000 (1)
1-2-P	27.14	27.14	0.22	-1.02	1207.99	100.000 (1)
1-3-P	27.14	27.14	0.24	-1.03	1207.99	100.000 (1)
1-4-P	27.14	27.14	0.09	-1.08	1207.99	100.000 (1)
1-5-P	27.14	27.14	0.06	-1.26	1207.99	100.000 (1)
1-6-P	27.14	27.14	0.01	-0.68	1207.99	100.000 (1)
1-7-P	27.14	27.14	0.00	-1.62	-1207.99	100.000 (1)
1-8-P	27.14	27.14	0.00	-1.83	-1207.99	100.000 (1)
1-9-P	27.14	27.14	0.00	-1.80	-1207.99	100.000 (1)
1-10-P	27.14	27.14	0.00	-1.77	-1207.99	100.000 (1)
1-11-P	27.14	27.14	0.00	-1.73	-1207.99	100.000 (1)
1-12-P	27.14	27.14	0.00	-1.62	-1207.99	100.000 (1)
1-13-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-14-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-15-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-16-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-17-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-18-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-19-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-20-P	27.14	27.14	0.00	-1.95	-1207.99	100.000 (1)
1-21-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-22-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-23-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-24-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-25-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-26-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-27-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-28-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-29-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-30-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)
1-31-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-32-P	27.14	27.14	0.00	-1.94	-1207.99	100.000 (1)
1-33-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-34-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-35-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-36-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-37-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-38-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-39-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-40-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-41-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-42-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)
1-43-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-44-P	27.14	27.14	0.00	-1.94	-1207.99	100.000 (1)
1-45-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-46-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-47-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-48-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-49-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-50-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-51-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-52-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-53-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-54-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)
1-55-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-56-P	27.14	27.14	0.00	-1.94	-1207.99	100.000 (1)
1-57-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-58-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-59-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-60-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-61-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-62-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-63-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-64-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-65-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-66-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)
1-67-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-68-P	27.14	27.14	0.00	-1.94	-1207.99	100.000 (1)
1-69-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-70-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-71-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-72-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-73-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-74-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-75-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-76-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-77-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-78-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)
1-79-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-80-P	27.14	27.14	0.00	-1.94	-1207.99	100.000 (1)
1-81-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-82-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-83-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-84-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-85-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-86-P	27.14	27.14	0.01	-1.41	1207.99	100.000 (1)
1-87-P	27.14	27.14	0.00	-1.41	-1207.99	100.000 (1)
1-88-P	27.14	27.14	0.01	-1.43	1207.99	100.000 (1)
1-89-P	27.14	27.14	0.04	-1.47	1207.99	100.000 (1)
1-90-P	27.14	27.14	0.00	-0.84	-1207.99	100.000 (1)
1-91-P	27.14	27.14	0.00	-1.76	-1207.99	100.000 (1)
1-92-P	27.14	27.14	0.00	-1.94	-1207.99	100.000 (1)
1-93-P	27.14	27.14	0.00	-1.88	-1207.99	100.000 (1)
1-94-P	27.14	27.14	0.00	-1.82	-1207.99	100.000 (1)
1-95-P	27.14	27.14	0.00	-1.75	-1207.99	100.000 (1)
1-96-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-97-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-98-P	27.14	27.14	0.01	-1.40	1207.99	100.000 (1)
1-99-P	27.14	27.14	0.00	-1.40	-1207.99	100.000 (1)
1-100-P	27.14	27.14	0.01	-1.42	1207.99	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-101-P	27.14	27.14	0.04	-1.46	1207.99	100.000 (1)
1-102-P	27.14	27.14	0.00	-0.82	-1207.99	100.000 (1)
1-103-P	27.14	27.14	0.00	-1.72	-1207.99	100.000 (1)
1-104-P	27.14	27.14	0.00	-1.90	-1207.99	100.000 (1)
1-105-P	27.14	27.14	0.00	-1.81	-1207.99	100.000 (1)
1-106-P	27.14	27.14	0.00	-1.72	-1207.99	100.000 (1)
1-107-P	27.14	27.14	0.00	-1.63	-1207.99	100.000 (1)
1-108-P	27.14	27.14	0.00	-1.61	-1207.99	100.000 (1)
1-109-P	27.14	27.14	0.00	-1.59	-1207.99	100.000 (1)
1-110-P	27.14	27.14	0.00	-1.57	-1207.99	100.000 (1)
1-111-P	27.14	27.14	0.00	-1.51	-1207.99	100.000 (1)
1-112-P	27.14	27.14	0.01	-1.45	1207.99	100.000 (1)
1-113-P	27.14	27.14	0.03	-1.41	1207.99	100.000 (1)
1-114-P	27.14	27.14	0.04	-1.27	1207.99	100.000 (1)
1-115-P	27.14	27.14	0.05	-1.13	1207.99	100.000 (1)
1-116-P	27.14	27.14	0.11	-1.03	1207.99	100.000 (1)
1-117-P	27.14	27.14	0.21	-0.98	1207.99	100.000 (1)
4-1-P	22.62	22.62	8.88	-191.68	-1007.95	5.259 (2)
4-2-P	22.62	22.62	0.00	-226.77	-1007.95	4.445 (2)
4-3-P	22.62	22.62	0.00	-270.73	-1007.95	3.723 (2)
4-4-P	22.62	22.62	0.00	-315.95	-1007.95	3.190 (2)
4-5-P	22.62	22.62	0.00	-361.18	-1007.95	2.791 (2)
4-6-P	22.62	22.62	0.00	-390.35	-1007.95	2.582 (2)
4-7-P	22.62	22.62	0.00	-419.53	-1007.95	2.403 (2)
4-8-P	22.62	22.62	0.00	-448.71	-1007.95	2.246 (2)
4-9-P	22.62	22.62	0.00	-423.79	-1007.95	2.378 (2)
4-10-P	22.62	22.62	0.00	-398.87	-1007.95	2.527 (2)
4-11-P	22.62	22.62	0.00	-373.95	-1007.95	2.695 (2)
4-12-P	22.62	22.62	0.00	-395.33	-1007.95	2.550 (2)
4-13-P	22.62	22.62	0.00	-416.71	-1007.95	2.419 (2)
4-14-P	22.62	22.62	0.00	-438.09	-1007.95	2.301 (2)
4-15-P	22.62	22.62	0.00	-416.97	-1007.95	2.417 (2)
4-16-P	22.62	22.62	0.00	-395.85	-1007.95	2.546 (2)
4-17-P	22.62	22.62	0.00	-374.73	-1007.95	2.690 (2)
4-18-P	22.62	22.62	0.00	-387.67	-1007.95	2.600 (2)
4-19-P	22.62	22.62	0.00	-400.60	-1007.95	2.516 (2)
4-20-P	22.62	22.62	0.00	-413.53	-1007.95	2.437 (2)
4-21-P	22.62	22.62	0.00	-385.20	-1007.95	2.617 (2)
4-22-P	22.62	22.62	0.00	-356.86	-1007.95	2.824 (2)
4-23-P	22.62	22.62	0.00	-328.53	-1007.95	3.068 (2)
4-24-P	22.62	22.62	0.00	-351.90	-1007.95	2.864 (2)
4-25-P	22.62	22.62	0.00	-375.27	-1007.95	2.686 (2)
4-26-P	22.62	22.62	0.00	-398.64	-1007.95	2.528 (2)
4-27-P	22.62	22.62	0.00	-380.44	-1007.95	2.649 (2)
4-28-P	22.62	22.62	0.00	-362.25	-1007.95	2.783 (2)
4-29-P	22.62	22.62	0.00	-344.05	-1007.95	2.930 (2)
4-30-P	22.62	22.62	0.00	-359.59	-1007.95	2.803 (2)
4-31-P	22.62	22.62	0.00	-375.12	-1007.95	2.687 (2)
4-32-P	22.62	22.62	0.00	-390.66	-1007.95	2.580 (2)
4-33-P	22.62	22.62	0.00	-364.37	-1007.95	2.766 (2)
4-34-P	22.62	22.62	0.00	-338.08	-1007.95	2.981 (2)
4-35-P	22.62	22.62	0.00	-311.79	-1007.95	3.233 (2)
4-36-P	22.62	22.62	0.00	-336.69	-1007.95	2.994 (2)
4-37-P	22.62	22.62	0.00	-361.60	-1007.95	2.787 (2)
4-38-P	22.62	22.62	0.00	-386.50	-1007.95	2.608 (2)
4-39-P	22.62	22.62	0.00	-369.44	-1007.95	2.728 (2)
4-40-P	22.62	22.62	0.00	-352.37	-1007.95	2.861 (2)
4-41-P	22.62	22.62	0.00	-335.30	-1007.95	3.006 (2)
4-42-P	22.62	22.62	0.00	-351.66	-1007.95	2.866 (2)
4-43-P	22.62	22.62	0.00	-368.03	-1007.95	2.739 (2)
4-44-P	22.62	22.62	0.00	-384.39	-1007.95	2.622 (2)
4-45-P	22.62	22.62	0.00	-358.71	-1007.95	2.810 (2)
4-46-P	22.62	22.62	0.00	-333.02	-1007.95	3.027 (2)
4-47-P	22.62	22.62	0.00	-307.34	-1007.95	3.280 (2)
4-48-P	22.62	22.62	0.00	-332.68	-1007.95	3.030 (2)
4-49-P	22.62	22.62	0.00	-358.03	-1007.95	2.815 (2)
4-50-P	22.62	22.62	0.00	-383.38	-1007.95	2.629 (2)
4-51-P	22.62	22.62	0.00	-366.64	-1007.95	2.749 (2)
4-52-P	22.62	22.62	0.00	-349.89	-1007.95	2.881 (2)
4-53-P	22.62	22.62	0.00	-333.15	-1007.95	3.026 (2)
4-54-P	22.62	22.62	0.00	-349.76	-1007.95	2.882 (2)
4-55-P	22.62	22.62	0.00	-366.37	-1007.95	2.751 (2)
4-56-P	22.62	22.62	0.00	-382.98	-1007.95	2.632 (2)
4-57-P	22.62	22.62	0.00	-357.48	-1007.95	2.820 (2)
4-58-P	22.62	22.62	0.00	-331.98	-1007.95	3.036 (2)
4-59-P	22.62	22.62	0.00	-306.48	-1007.95	3.289 (2)
4-60-P	22.62	22.62	0.00	-331.98	-1007.95	3.036 (2)
4-61-P	22.62	22.62	0.00	-357.48	-1007.95	2.820 (2)
4-62-P	22.62	22.62	0.00	-382.98	-1007.95	2.632 (2)
4-63-P	22.62	22.62	0.00	-366.37	-1007.95	2.751 (2)
4-64-P	22.62	22.62	0.00	-349.76	-1007.95	2.882 (2)
4-65-P	22.62	22.62	0.00	-333.15	-1007.95	3.026 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
4-66-P	22.62	22.62	0.00	-349.89	-1007.95	2.881 (2)
4-67-P	22.62	22.62	0.00	-366.64	-1007.95	2.749 (2)
4-68-P	22.62	22.62	0.00	-383.38	-1007.95	2.629 (2)
4-69-P	22.62	22.62	0.00	-358.03	-1007.95	2.815 (2)
4-70-P	22.62	22.62	0.00	-332.68	-1007.95	3.030 (2)
4-71-P	22.62	22.62	0.00	-307.34	-1007.95	3.280 (2)
4-72-P	22.62	22.62	0.00	-333.02	-1007.95	3.027 (2)
4-73-P	22.62	22.62	0.00	-358.71	-1007.95	2.810 (2)
4-74-P	22.62	22.62	0.00	-384.39	-1007.95	2.622 (2)
4-75-P	22.62	22.62	0.00	-368.03	-1007.95	2.739 (2)
4-76-P	22.62	22.62	0.00	-351.66	-1007.95	2.866 (2)
4-77-P	22.62	22.62	0.00	-335.30	-1007.95	3.006 (2)
4-78-P	22.62	22.62	0.00	-352.37	-1007.95	2.861 (2)
4-79-P	22.62	22.62	0.00	-369.44	-1007.95	2.728 (2)
4-80-P	22.62	22.62	0.00	-386.50	-1007.95	2.608 (2)
4-81-P	22.62	22.62	0.00	-361.60	-1007.95	2.787 (2)
4-82-P	22.62	22.62	0.00	-336.69	-1007.95	2.994 (2)
4-83-P	22.62	22.62	0.00	-311.79	-1007.95	3.233 (2)
4-84-P	22.62	22.62	0.00	-338.08	-1007.95	2.981 (2)
4-85-P	22.62	22.62	0.00	-364.37	-1007.95	2.766 (2)
4-86-P	22.62	22.62	0.00	-390.66	-1007.95	2.580 (2)
4-87-P	22.62	22.62	0.00	-375.12	-1007.95	2.687 (2)
4-88-P	22.62	22.62	0.00	-359.59	-1007.95	2.803 (2)
4-89-P	22.62	22.62	0.00	-344.05	-1007.95	2.930 (2)
4-90-P	22.62	22.62	0.00	-362.25	-1007.95	2.783 (2)
4-91-P	22.62	22.62	0.00	-380.44	-1007.95	2.649 (2)
4-92-P	22.62	22.62	0.00	-398.64	-1007.95	2.528 (2)
4-93-P	22.62	22.62	0.00	-375.27	-1007.95	2.686 (2)
4-94-P	22.62	22.62	0.00	-351.90	-1007.95	2.864 (2)
4-95-P	22.62	22.62	0.00	-328.53	-1007.95	3.068 (2)
4-96-P	22.62	22.62	0.00	-356.86	-1007.95	2.824 (2)
4-97-P	22.62	22.62	0.00	-385.20	-1007.95	2.617 (2)
4-98-P	22.62	22.62	0.00	-413.53	-1007.95	2.437 (2)
4-99-P	22.62	22.62	0.00	-400.60	-1007.95	2.516 (2)
4-100-P	22.62	22.62	0.00	-387.67	-1007.95	2.600 (2)
4-101-P	22.62	22.62	0.00	-374.73	-1007.95	2.690 (2)
4-102-P	22.62	22.62	0.00	-395.85	-1007.95	2.546 (2)
4-103-P	22.62	22.62	0.00	-416.97	-1007.95	2.417 (2)
4-104-P	22.62	22.62	0.00	-438.09	-1007.95	2.301 (2)
4-105-P	22.62	22.62	0.00	-416.71	-1007.95	2.419 (2)
4-106-P	22.62	22.62	0.00	-395.33	-1007.95	2.550 (2)
4-107-P	22.62	22.62	0.00	-373.95	-1007.95	2.695 (2)
4-108-P	22.62	22.62	0.00	-398.87	-1007.95	2.527 (2)
4-109-P	22.62	22.62	0.00	-423.79	-1007.95	2.378 (2)
4-110-P	22.62	22.62	0.00	-448.71	-1007.95	2.246 (2)
4-111-P	22.62	22.62	0.00	-419.53	-1007.95	2.403 (2)
4-112-P	22.62	22.62	0.00	-390.35	-1007.95	2.582 (2)
4-113-P	22.62	22.62	0.00	-361.18	-1007.95	2.791 (2)
4-114-P	22.62	22.62	0.00	-315.95	-1007.95	3.190 (2)
4-115-P	22.62	22.62	0.00	-270.73	-1007.95	3.723 (2)
4-116-P	22.62	22.62	0.00	-226.77	-1007.95	4.445 (2)
4-117-P	22.62	22.62	8.88	-191.68	-1007.95	5.259 (2)
5-1-P	22.62	22.62	8.32	-3.56	1007.95	100.000 (1)
5-2-P	22.62	22.62	0.00	-25.68	-1007.95	39.247 (2)
5-3-P	22.62	22.62	0.00	-44.04	-1007.95	22.887 (2)
5-4-P	22.62	22.62	0.00	-78.81	-1007.95	12.790 (2)
5-5-P	22.62	22.62	0.00	-113.57	-1007.95	8.875 (2)
5-6-P	22.62	22.62	0.00	-151.68	-1007.95	6.645 (2)
5-7-P	22.62	22.62	0.00	-189.80	-1007.95	5.311 (2)
5-8-P	22.62	22.62	0.00	-228.05	-1007.95	4.420 (2)
5-9-P	22.62	22.62	0.00	-334.02	-1007.95	3.018 (2)
5-10-P	22.62	22.62	0.00	-439.84	-1007.95	2.292 (2)
5-11-P	22.62	22.62	0.00	-545.74	-1007.95	1.847 (2)
5-12-P	22.62	22.62	0.00	-449.11	-1007.95	2.244 (2)
5-13-P	22.62	22.62	0.00	-351.99	-1007.95	2.864 (2)
5-14-P	22.62	22.62	0.00	-254.88	-1007.95	3.955 (2)
5-15-P	22.62	22.62	0.00	-241.39	-1007.95	4.176 (2)
5-16-P	22.62	22.62	0.00	-227.90	-1007.95	4.423 (2)
5-17-P	22.62	22.62	0.00	-214.40	-1007.95	4.701 (2)
5-18-P	22.62	22.62	0.00	-222.05	-1007.95	4.539 (2)
5-19-P	22.62	22.62	0.00	-229.70	-1007.95	4.388 (2)
5-20-P	22.62	22.62	0.00	-237.35	-1007.95	4.247 (2)
5-21-P	22.62	22.62	0.00	-331.71	-1007.95	3.039 (2)
5-22-P	22.62	22.62	0.00	-426.07	-1007.95	2.366 (2)
5-23-P	22.62	22.62	0.00	-519.94	-1007.95	1.939 (2)
5-24-P	22.62	22.62	0.00	-420.91	-1007.95	2.395 (2)
5-25-P	22.62	22.62	0.00	-321.39	-1007.95	3.136 (2)
5-26-P	22.62	22.62	0.00	-221.88	-1007.95	4.543 (2)
5-27-P	22.62	22.62	0.00	-209.24	-1007.95	4.817 (2)
5-28-P	22.62	22.62	0.00	-196.61	-1007.95	5.127 (2)
5-29-P	22.62	22.62	0.00	-183.98	-1007.95	5.479 (2)
5-30-P	22.62	22.62	0.00	-193.39	-1007.95	5.212 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
5-31-P	22.62	22.62	0.00	-202.80	-1007.95	4.970 (2)
5-32-P	22.62	22.62	0.00	-212.21	-1007.95	4.750 (2)
5-33-P	22.62	22.62	0.00	-308.34	-1007.95	3.269 (2)
5-34-P	22.62	22.62	0.00	-404.47	-1007.95	2.492 (2)
5-35-P	22.62	22.62	0.00	-500.61	-1007.95	2.013 (2)
5-36-P	22.62	22.62	0.00	-402.60	-1007.95	2.504 (2)
5-37-P	22.62	22.62	0.00	-304.60	-1007.95	3.309 (2)
5-38-P	22.62	22.62	0.00	-206.60	-1007.95	4.879 (2)
5-39-P	22.62	22.62	0.00	-195.19	-1007.95	5.164 (2)
5-40-P	22.62	22.62	0.00	-183.78	-1007.95	5.485 (2)
5-41-P	22.62	22.62	0.00	-172.37	-1007.95	5.848 (2)
5-42-P	22.62	22.62	0.00	-182.73	-1007.95	5.516 (2)
5-43-P	22.62	22.62	0.00	-193.10	-1007.95	5.220 (2)
5-44-P	22.62	22.62	0.00	-203.47	-1007.95	4.954 (2)
5-45-P	22.62	22.62	0.00	-300.35	-1007.95	3.356 (2)
5-46-P	22.62	22.62	0.00	-397.23	-1007.95	2.537 (2)
5-47-P	22.62	22.62	0.00	-494.11	-1007.95	2.040 (2)
5-48-P	22.62	22.62	0.00	-396.68	-1007.95	2.541 (2)
5-49-P	22.62	22.62	0.00	-299.26	-1007.95	3.368 (2)
5-50-P	22.62	22.62	0.00	-201.84	-1007.95	4.994 (2)
5-51-P	22.62	22.62	0.00	-190.88	-1007.95	5.281 (2)
5-52-P	22.62	22.62	0.00	-179.92	-1007.95	5.602 (2)
5-53-P	22.62	22.62	0.00	-168.97	-1007.95	5.965 (2)
5-54-P	22.62	22.62	0.00	-179.69	-1007.95	5.609 (2)
5-55-P	22.62	22.62	0.00	-190.42	-1007.95	5.293 (2)
5-56-P	22.62	22.62	0.00	-201.15	-1007.95	5.011 (2)
5-57-P	22.62	22.62	0.00	-298.32	-1007.95	3.379 (2)
5-58-P	22.62	22.62	0.00	-395.49	-1007.95	2.549 (2)
5-59-P	22.62	22.62	0.00	-492.66	-1007.95	2.046 (2)
5-60-P	22.62	22.62	0.00	-395.49	-1007.95	2.549 (2)
5-61-P	22.62	22.62	0.00	-298.32	-1007.95	3.379 (2)
5-62-P	22.62	22.62	0.00	-201.15	-1007.95	5.011 (2)
5-63-P	22.62	22.62	0.00	-190.42	-1007.95	5.293 (2)
5-64-P	22.62	22.62	0.00	-179.69	-1007.95	5.609 (2)
5-65-P	22.62	22.62	0.00	-168.97	-1007.95	5.965 (2)
5-66-P	22.62	22.62	0.00	-179.92	-1007.95	5.602 (2)
5-67-P	22.62	22.62	0.00	-190.88	-1007.95	5.281 (2)
5-68-P	22.62	22.62	0.00	-201.84	-1007.95	4.994 (2)
5-69-P	22.62	22.62	0.00	-299.26	-1007.95	3.368 (2)
5-70-P	22.62	22.62	0.00	-396.68	-1007.95	2.541 (2)
5-71-P	22.62	22.62	0.00	-494.11	-1007.95	2.040 (2)
5-72-P	22.62	22.62	0.00	-397.23	-1007.95	2.537 (2)
5-73-P	22.62	22.62	0.00	-300.35	-1007.95	3.356 (2)
5-74-P	22.62	22.62	0.00	-203.47	-1007.95	4.954 (2)
5-75-P	22.62	22.62	0.00	-193.10	-1007.95	5.220 (2)
5-76-P	22.62	22.62	0.00	-182.73	-1007.95	5.516 (2)
5-77-P	22.62	22.62	0.00	-172.37	-1007.95	5.848 (2)
5-78-P	22.62	22.62	0.00	-183.78	-1007.95	5.485 (2)
5-79-P	22.62	22.62	0.00	-195.19	-1007.95	5.164 (2)
5-80-P	22.62	22.62	0.00	-206.60	-1007.95	4.879 (2)
5-81-P	22.62	22.62	0.00	-304.60	-1007.95	3.309 (2)
5-82-P	22.62	22.62	0.00	-402.60	-1007.95	2.504 (2)
5-83-P	22.62	22.62	0.00	-500.61	-1007.95	2.013 (2)
5-84-P	22.62	22.62	0.00	-404.47	-1007.95	2.492 (2)
5-85-P	22.62	22.62	0.00	-308.34	-1007.95	3.269 (2)
5-86-P	22.62	22.62	0.00	-212.21	-1007.95	4.750 (2)
5-87-P	22.62	22.62	0.00	-202.80	-1007.95	4.970 (2)
5-88-P	22.62	22.62	0.00	-193.39	-1007.95	5.212 (2)
5-89-P	22.62	22.62	0.00	-183.98	-1007.95	5.479 (2)
5-90-P	22.62	22.62	0.00	-196.61	-1007.95	5.127 (2)
5-91-P	22.62	22.62	0.00	-209.24	-1007.95	4.817 (2)
5-92-P	22.62	22.62	0.00	-221.88	-1007.95	4.543 (2)
5-93-P	22.62	22.62	0.00	-321.39	-1007.95	3.136 (2)
5-94-P	22.62	22.62	0.00	-420.91	-1007.95	2.395 (2)
5-95-P	22.62	22.62	0.00	-519.94	-1007.95	1.939 (2)
5-96-P	22.62	22.62	0.00	-426.07	-1007.95	2.366 (2)
5-97-P	22.62	22.62	0.00	-331.71	-1007.95	3.039 (2)
5-98-P	22.62	22.62	0.00	-237.35	-1007.95	4.247 (2)
5-99-P	22.62	22.62	0.00	-229.70	-1007.95	4.388 (2)
5-100-P	22.62	22.62	0.00	-222.05	-1007.95	4.539 (2)
5-101-P	22.62	22.62	0.00	-214.40	-1007.95	4.701 (2)
5-102-P	22.62	22.62	0.00	-227.90	-1007.95	4.423 (2)
5-103-P	22.62	22.62	0.00	-241.39	-1007.95	4.176 (2)
5-104-P	22.62	22.62	0.00	-254.88	-1007.95	3.955 (2)
5-105-P	22.62	22.62	0.00	-351.99	-1007.95	2.864 (2)
5-106-P	22.62	22.62	0.00	-449.11	-1007.95	2.244 (2)
5-107-P	22.62	22.62	0.00	-545.74	-1007.95	1.847 (2)
5-108-P	22.62	22.62	0.00	-439.84	-1007.95	2.292 (2)
5-109-P	22.62	22.62	0.00	-334.02	-1007.95	3.018 (2)
5-110-P	22.62	22.62	0.00	-228.05	-1007.95	4.420 (2)
5-111-P	22.62	22.62	0.00	-189.80	-1007.95	5.311 (2)
5-112-P	22.62	22.62	0.00	-151.68	-1007.95	6.645 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
5-113-P	22.62	22.62	0.00	-113.57	-1007.95	8.875 (2)
5-114-P	22.62	22.62	0.00	-78.81	-1007.95	12.790 (2)
5-115-P	22.62	22.62	0.00	-44.04	-1007.95	22.887 (2)
5-116-P	22.62	22.62	0.00	-25.68	-1007.95	39.247 (2)
5-117-P	22.62	22.62	8.32	-3.56	1007.95	100.000 (1)
6-1-P	27.14	27.14	23.11	-16.84	1207.90	52.269 (2)
6-2-P	27.14	27.14	22.91	-15.57	1207.90	42.184 (2)
6-3-P	27.14	27.14	23.34	-14.93	1207.90	41.402 (2)
6-4-P	27.14	27.14	21.95	-18.05	1207.90	33.011 (2)
6-5-P	27.14	27.14	23.46	-24.05	1207.90	30.893 (2)
6-6-P	27.14	27.14	5.42	-50.69	-1207.90	23.830 (2)
6-7-P	27.14	27.14	1.56	-91.52	-1207.90	13.199 (2)
6-8-P	27.14	27.14	0.00	-134.63	-1207.90	8.972 (2)
6-9-P	27.14	27.14	0.00	-176.96	-1207.90	6.826 (2)
6-10-P	27.14	27.14	0.00	-219.29	-1207.90	5.508 (2)
6-11-P	27.14	27.14	0.00	-261.62	-1207.90	4.617 (2)
6-12-P	27.14	27.14	0.00	-226.83	-1207.90	5.325 (2)
6-13-P	27.14	27.14	0.00	-192.03	-1207.90	6.290 (2)
6-14-P	27.14	27.14	0.00	-157.24	-1207.90	7.682 (2)
6-15-P	27.14	27.14	0.00	-127.32	-1207.90	9.487 (2)
6-16-P	27.14	27.14	2.77	-100.16	-1207.90	12.059 (2)
6-17-P	27.14	27.14	4.53	-71.99	-1207.90	13.422 (2)
6-18-P	27.14	27.14	2.08	-95.96	-1207.90	12.587 (2)
6-19-P	27.14	27.14	0.00	-120.29	-1207.90	10.041 (2)
6-20-P	27.14	27.14	0.00	-146.71	-1207.90	8.233 (2)
6-21-P	27.14	27.14	0.00	-180.51	-1207.90	6.692 (2)
6-22-P	27.14	27.14	0.00	-214.31	-1207.90	5.636 (2)
6-23-P	27.14	27.14	0.00	-248.11	-1207.90	4.868 (2)
6-24-P	27.14	27.14	0.00	-209.56	-1207.90	5.764 (2)
6-25-P	27.14	27.14	0.00	-171.01	-1207.90	7.063 (2)
6-26-P	27.14	27.14	0.00	-132.46	-1207.90	9.119 (2)
6-27-P	27.14	27.14	0.00	-101.79	-1207.90	11.866 (2)
6-28-P	27.14	27.14	3.19	-74.33	-1207.90	16.251 (2)
6-29-P	27.14	27.14	10.50	-50.97	-1207.90	18.958 (2)
6-30-P	27.14	27.14	2.76	-70.32	-1207.90	13.742 (2)
6-31-P	27.14	27.14	0.00	-94.65	-1207.90	12.762 (2)
6-32-P	27.14	27.14	0.00	-121.73	-1207.90	9.923 (2)
6-33-P	27.14	27.14	0.00	-156.70	-1207.90	7.708 (2)
6-34-P	27.14	27.14	0.00	-191.68	-1207.90	6.302 (2)
6-35-P	27.14	27.14	0.00	-226.65	-1207.90	5.329 (2)
6-36-P	27.14	27.14	0.00	-189.35	-1207.90	6.379 (2)
6-37-P	27.14	27.14	0.00	-152.05	-1207.90	7.944 (2)
6-38-P	27.14	27.14	0.00	-114.75	-1207.90	10.526 (2)
6-39-P	27.14	27.14	0.00	-85.26	-1207.90	14.168 (2)
6-40-P	27.14	27.14	5.27	-61.03	-1207.90	15.834 (2)
6-41-P	27.14	27.14	15.85	-42.11	-1207.90	22.945 (2)
6-42-P	27.14	27.14	5.58	-59.94	-1207.90	16.123 (2)
6-43-P	27.14	27.14	0.00	-82.45	-1207.90	14.649 (2)
6-44-P	27.14	27.14	0.00	-110.55	-1207.90	10.926 (2)
6-45-P	27.14	27.14	0.00	-146.37	-1207.90	8.252 (2)
6-46-P	27.14	27.14	0.00	-182.19	-1207.90	6.630 (2)
6-47-P	27.14	27.14	0.00	-218.02	-1207.90	5.540 (2)
6-48-P	27.14	27.14	0.00	-181.42	-1207.90	6.658 (2)
6-49-P	27.14	27.14	0.00	-144.83	-1207.90	8.340 (2)
6-50-P	27.14	27.14	0.00	-108.24	-1207.90	11.160 (2)
6-51-P	27.14	27.14	0.00	-79.32	-1207.90	15.228 (2)
6-52-P	27.14	27.14	6.46	-56.86	-1207.90	16.994 (2)
6-53-P	27.14	27.14	17.87	-39.36	-1207.90	24.553 (2)
6-54-P	27.14	27.14	6.54	-56.60	-1207.90	17.072 (2)
6-55-P	27.14	27.14	0.00	-78.64	-1207.90	15.359 (2)
6-56-P	27.14	27.14	0.00	-107.22	-1207.90	11.265 (2)
6-57-P	27.14	27.14	0.00	-143.45	-1207.90	8.420 (2)
6-58-P	27.14	27.14	0.00	-179.69	-1207.90	6.722 (2)
6-59-P	27.14	27.14	0.00	-215.92	-1207.90	5.594 (2)
6-60-P	27.14	27.14	0.00	-179.69	-1207.90	6.722 (2)
6-61-P	27.14	27.14	0.00	-143.45	-1207.90	8.420 (2)
6-62-P	27.14	27.14	0.00	-107.22	-1207.90	11.265 (2)
6-63-P	27.14	27.14	0.00	-78.64	-1207.90	15.359 (2)
6-64-P	27.14	27.14	6.54	-56.60	-1207.90	17.072 (2)
6-65-P	27.14	27.14	17.87	-39.36	-1207.90	24.553 (2)
6-66-P	27.14	27.14	6.46	-56.86	-1207.90	16.994 (2)
6-67-P	27.14	27.14	0.00	-79.32	-1207.90	15.228 (2)
6-68-P	27.14	27.14	0.00	-108.24	-1207.90	11.160 (2)
6-69-P	27.14	27.14	0.00	-144.83	-1207.90	8.340 (2)
6-70-P	27.14	27.14	0.00	-181.42	-1207.90	6.658 (2)
6-71-P	27.14	27.14	0.00	-218.02	-1207.90	5.540 (2)
6-72-P	27.14	27.14	0.00	-182.19	-1207.90	6.630 (2)
6-73-P	27.14	27.14	0.00	-146.37	-1207.90	8.252 (2)
6-74-P	27.14	27.14	0.00	-110.55	-1207.90	10.926 (2)
6-75-P	27.14	27.14	0.00	-82.45	-1207.90	14.649 (2)
6-76-P	27.14	27.14	5.58	-59.94	-1207.90	16.123 (2)
6-77-P	27.14	27.14	15.85	-42.11	-1207.90	22.945 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
6-78-P	27.14	27.14	5.27	-61.03	-1207.90	15.834 (2)
6-79-P	27.14	27.14	0.00	-85.26	-1207.90	14.168 (2)
6-80-P	27.14	27.14	0.00	-114.75	-1207.90	10.526 (2)
6-81-P	27.14	27.14	0.00	-152.05	-1207.90	7.944 (2)
6-82-P	27.14	27.14	0.00	-189.35	-1207.90	6.379 (2)
6-83-P	27.14	27.14	0.00	-226.65	-1207.90	5.329 (2)
6-84-P	27.14	27.14	0.00	-191.68	-1207.90	6.302 (2)
6-85-P	27.14	27.14	0.00	-156.70	-1207.90	7.708 (2)
6-86-P	27.14	27.14	0.00	-121.73	-1207.90	9.923 (2)
6-87-P	27.14	27.14	0.00	-94.65	-1207.90	12.762 (2)
6-88-P	27.14	27.14	2.76	-70.32	-1207.90	13.742 (2)
6-89-P	27.14	27.14	10.50	-50.97	-1207.90	18.958 (2)
6-90-P	27.14	27.14	3.19	-74.33	-1207.90	16.251 (2)
6-91-P	27.14	27.14	0.00	-101.79	-1207.90	11.866 (2)
6-92-P	27.14	27.14	0.00	-132.46	-1207.90	9.119 (2)
6-93-P	27.14	27.14	0.00	-171.01	-1207.90	7.063 (2)
6-94-P	27.14	27.14	0.00	-209.56	-1207.90	5.764 (2)
6-95-P	27.14	27.14	0.00	-248.11	-1207.90	4.868 (2)
6-96-P	27.14	27.14	0.00	-214.31	-1207.90	5.636 (2)
6-97-P	27.14	27.14	0.00	-180.51	-1207.90	6.692 (2)
6-98-P	27.14	27.14	0.00	-146.71	-1207.90	8.233 (2)
6-99-P	27.14	27.14	0.00	-120.29	-1207.90	10.041 (2)
6-100-P	27.14	27.14	2.08	-95.96	-1207.90	12.587 (2)
6-101-P	27.14	27.14	4.53	-71.99	-1207.90	13.422 (2)
6-102-P	27.14	27.14	2.77	-100.16	-1207.90	12.059 (2)
6-103-P	27.14	27.14	0.00	-127.32	-1207.90	9.487 (2)
6-104-P	27.14	27.14	0.00	-157.24	-1207.90	7.682 (2)
6-105-P	27.14	27.14	0.00	-192.03	-1207.90	6.290 (2)
6-106-P	27.14	27.14	0.00	-226.83	-1207.90	5.325 (2)
6-107-P	27.14	27.14	0.00	-261.62	-1207.90	4.617 (2)
6-108-P	27.14	27.14	0.00	-219.29	-1207.90	5.508 (2)
6-109-P	27.14	27.14	0.00	-176.96	-1207.90	6.826 (2)
6-110-P	27.14	27.14	0.00	-134.63	-1207.90	8.972 (2)
6-111-P	27.14	27.14	1.56	-91.52	-1207.90	13.199 (2)
6-112-P	27.14	27.14	5.42	-50.69	-1207.90	23.830 (2)
6-113-P	27.14	27.14	23.46	-24.05	1207.90	30.893 (2)
6-114-P	27.14	27.14	21.95	-18.05	1207.90	33.011 (2)
6-115-P	27.14	27.14	23.34	-14.93	1207.90	41.402 (2)
6-116-P	27.14	27.14	22.91	-15.57	1207.90	42.184 (2)
6-117-P	27.14	27.14	23.11	-16.84	1207.90	52.269 (2)
7-1-P	22.62	22.62	13.47	-3.10	1007.95	74.857 (2)
7-2-P	22.62	22.62	45.03	-21.54	1007.95	22.386 (2)
7-3-P	22.62	22.62	86.03	-49.42	1007.95	11.716 (2)
7-4-P	22.62	22.62	111.53	0.00	1007.95	9.037 (2)
7-5-P	22.62	22.62	186.46	0.00	1007.95	5.406 (2)
7-6-P	22.62	22.62	113.82	0.00	1007.95	8.856 (2)
7-7-P	22.62	22.62	41.80	-0.61	1007.95	24.113 (2)
7-8-P	22.62	22.62	33.01	-63.80	-1007.95	15.799 (2)
7-9-P	22.62	22.62	14.94	-63.63	-1007.95	15.842 (2)
7-10-P	22.62	22.62	2.72	-69.31	-1007.95	14.543 (2)
7-11-P	22.62	22.62	1.19	-85.68	-1007.95	11.764 (2)
7-12-P	22.62	22.62	11.33	-84.29	-1007.95	11.957 (2)
7-13-P	22.62	22.62	26.84	-88.28	-1007.95	11.417 (2)
7-14-P	22.62	22.62	45.85	-95.76	-1007.95	10.525 (2)
7-15-P	22.62	22.62	46.01	-24.02	1007.95	21.909 (2)
7-16-P	22.62	22.62	94.61	-0.01	1007.95	10.654 (2)
7-17-P	22.62	22.62	167.21	0.00	1007.95	6.028 (2)
7-18-P	22.62	22.62	95.57	0.00	1007.95	10.547 (2)
7-19-P	22.62	22.62	26.05	-2.12	1007.95	38.693 (2)
7-20-P	22.62	22.62	24.62	-71.61	-1007.95	14.075 (2)
7-21-P	22.62	22.62	10.66	-69.82	-1007.95	14.436 (2)
7-22-P	22.62	22.62	1.64	-72.96	-1007.95	13.816 (2)
7-23-P	22.62	22.62	0.95	-84.44	-1007.95	11.937 (2)
7-24-P	22.62	22.62	10.45	-78.00	-1007.95	12.922 (2)
7-25-P	22.62	22.62	26.62	-78.24	-1007.95	12.883 (2)
7-26-P	22.62	22.62	45.82	-81.51	-1007.95	12.366 (2)
7-27-P	22.62	22.62	46.68	-8.38	1007.95	21.592 (2)
7-28-P	22.62	22.62	113.00	0.00	1007.95	8.920 (2)
7-29-P	22.62	22.62	187.70	0.00	1007.95	5.370 (2)
7-30-P	22.62	22.62	116.64	0.00	1007.95	8.642 (2)
7-31-P	22.62	22.62	45.57	0.00	1007.95	22.118 (2)
7-32-P	22.62	22.62	34.20	-58.97	-1007.95	17.092 (2)
7-33-P	22.62	22.62	17.15	-54.41	-1007.95	18.527 (2)
7-34-P	22.62	22.62	4.21	-53.95	-1007.95	18.683 (2)
7-35-P	22.62	22.62	0.28	-62.50	-1007.95	16.128 (2)
7-36-P	22.62	22.62	9.32	-56.38	-1007.95	17.879 (2)
7-37-P	22.62	22.62	26.04	-57.93	-1007.95	17.399 (2)
7-38-P	22.62	22.62	46.19	-62.91	-1007.95	16.021 (2)
7-39-P	22.62	22.62	56.31	0.00	1007.95	17.899 (2)
7-40-P	22.62	22.62	130.07	0.00	1007.95	7.749 (2)
7-41-P	22.62	22.62	203.83	0.00	1007.95	4.945 (2)
7-42-P	22.62	22.62	131.81	0.00	1007.95	7.647 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
7-43-P	22.62	22.62	59.79	0.00	1007.95	16.860 (2)
7-44-P	22.62	22.62	41.46	-52.98	-1007.95	19.026 (2)
7-45-P	22.62	22.62	22.56	-47.45	-1007.95	21.244 (2)
7-46-P	22.62	22.62	47.71	0.00	-1007.95	22.422 (1)
7-47-P	22.62	22.62	53.52	0.00	-1007.95	19.508 (1)
7-48-P	22.62	22.62	47.54	0.00	-1007.95	21.986 (1)
7-49-P	22.62	22.62	25.56	-48.46	-1007.95	20.802 (2)
7-50-P	22.62	22.62	46.28	-54.81	-1007.95	18.391 (2)
7-51-P	22.62	22.62	63.83	0.00	1007.95	15.792 (2)
7-52-P	22.62	22.62	136.89	0.00	1007.95	7.363 (2)
7-53-P	22.62	22.62	209.96	0.00	1007.95	4.801 (2)
7-54-P	22.62	22.62	137.34	0.00	1007.95	7.339 (2)
7-55-P	22.62	22.62	64.72	0.00	1007.95	15.573 (2)
7-56-P	22.62	22.62	45.33	-52.51	-1007.95	19.197 (2)
7-57-P	22.62	22.62	24.80	-45.88	-1007.95	21.970 (2)
7-58-P	22.62	22.62	47.08	0.00	-1007.95	23.472 (1)
7-59-P	22.62	22.62	52.98	0.00	-1007.95	20.626 (1)
7-60-P	22.62	22.62	47.08	0.00	-1007.95	23.472 (1)
7-61-P	22.62	22.62	24.80	-45.88	-1007.95	21.970 (2)
7-62-P	22.62	22.62	45.33	-52.51	-1007.95	19.197 (2)
7-63-P	22.62	22.62	64.72	0.00	1007.95	15.573 (2)
7-64-P	22.62	22.62	137.34	0.00	1007.95	7.339 (2)
7-65-P	22.62	22.62	209.96	0.00	1007.95	4.801 (2)
7-66-P	22.62	22.62	136.89	0.00	1007.95	7.363 (2)
7-67-P	22.62	22.62	63.83	0.00	1007.95	15.792 (2)
7-68-P	22.62	22.62	46.28	-54.81	-1007.95	18.391 (2)
7-69-P	22.62	22.62	25.56	-48.46	-1007.95	20.802 (2)
7-70-P	22.62	22.62	47.54	0.00	-1007.95	21.986 (1)
7-71-P	22.62	22.62	53.52	0.00	-1007.95	19.508 (1)
7-72-P	22.62	22.62	47.71	0.00	-1007.95	22.422 (1)
7-73-P	22.62	22.62	22.56	-47.45	-1007.95	21.244 (2)
7-74-P	22.62	22.62	41.46	-52.98	-1007.95	19.026 (2)
7-75-P	22.62	22.62	59.79	0.00	1007.95	16.860 (2)
7-76-P	22.62	22.62	131.81	0.00	1007.95	7.647 (2)
7-77-P	22.62	22.62	203.83	0.00	1007.95	4.945 (2)
7-78-P	22.62	22.62	130.07	0.00	1007.95	7.749 (2)
7-79-P	22.62	22.62	56.31	0.00	1007.95	17.899 (2)
7-80-P	22.62	22.62	46.19	-62.91	-1007.95	16.021 (2)
7-81-P	22.62	22.62	26.04	-57.93	-1007.95	17.399 (2)
7-82-P	22.62	22.62	9.32	-56.38	-1007.95	17.879 (2)
7-83-P	22.62	22.62	0.28	-62.50	-1007.95	16.128 (2)
7-84-P	22.62	22.62	4.21	-53.95	-1007.95	18.683 (2)
7-85-P	22.62	22.62	17.15	-54.41	-1007.95	18.527 (2)
7-86-P	22.62	22.62	34.20	-58.97	-1007.95	17.092 (2)
7-87-P	22.62	22.62	45.57	0.00	1007.95	22.118 (2)
7-88-P	22.62	22.62	116.64	0.00	1007.95	8.642 (2)
7-89-P	22.62	22.62	187.70	0.00	1007.95	5.370 (2)
7-90-P	22.62	22.62	113.00	0.00	1007.95	8.920 (2)
7-91-P	22.62	22.62	46.68	-8.38	1007.95	21.592 (2)
7-92-P	22.62	22.62	45.82	-81.51	-1007.95	12.366 (2)
7-93-P	22.62	22.62	26.62	-78.24	-1007.95	12.883 (2)
7-94-P	22.62	22.62	10.45	-78.00	-1007.95	12.922 (2)
7-95-P	22.62	22.62	0.95	-84.44	-1007.95	11.937 (2)
7-96-P	22.62	22.62	1.64	-72.96	-1007.95	13.816 (2)
7-97-P	22.62	22.62	10.66	-69.82	-1007.95	14.436 (2)
7-98-P	22.62	22.62	24.62	-71.61	-1007.95	14.075 (2)
7-99-P	22.62	22.62	26.05	-2.12	1007.95	38.693 (2)
7-100-P	22.62	22.62	95.57	0.00	1007.95	10.547 (2)
7-101-P	22.62	22.62	167.21	0.00	1007.95	6.028 (2)
7-102-P	22.62	22.62	94.61	-0.01	1007.95	10.654 (2)
7-103-P	22.62	22.62	46.01	-24.02	1007.95	21.909 (2)
7-104-P	22.62	22.62	45.85	-95.76	-1007.95	10.525 (2)
7-105-P	22.62	22.62	26.84	-88.28	-1007.95	11.417 (2)
7-106-P	22.62	22.62	11.33	-84.29	-1007.95	11.957 (2)
7-107-P	22.62	22.62	1.19	-85.68	-1007.95	11.764 (2)
7-108-P	22.62	22.62	2.72	-69.31	-1007.95	14.543 (2)
7-109-P	22.62	22.62	14.94	-63.63	-1007.95	15.842 (2)
7-110-P	22.62	22.62	33.01	-63.80	-1007.95	15.799 (2)
7-111-P	22.62	22.62	41.80	-0.61	1007.95	24.113 (2)
7-112-P	22.62	22.62	113.82	0.00	1007.95	8.856 (2)
7-113-P	22.62	22.62	186.46	0.00	1007.95	5.406 (2)
7-114-P	22.62	22.62	111.53	0.00	1007.95	9.037 (2)
7-115-P	22.62	22.62	86.03	-49.42	1007.95	11.716 (2)
7-116-P	22.62	22.62	45.03	-21.54	1007.95	22.386 (2)
7-117-P	22.62	22.62	13.47	-3.10	1007.95	74.857 (2)
8-1-P	22.62	22.62	24.45	-28.24	-1007.95	21.412 (2)
8-2-P	22.62	22.62	53.86	-19.29	1007.95	18.715 (2)
8-3-P	22.62	22.62	97.23	-26.30	1007.95	10.367 (2)
8-4-P	22.62	22.62	0.00	-75.79	1007.95	17.187 (1)
8-5-P	22.62	22.62	55.67	-39.35	1007.95	7.242 (2)
8-6-P	22.62	22.62	39.32	-17.97	1007.95	10.255 (2)
8-7-P	22.62	22.62	45.79	-19.41	1007.95	22.013 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
8-8-P	22.62	22.62	58.98	-28.98	1007.95	17.091 (2)
8-9-P	22.62	22.62	34.48	-1.50	-1007.95	32.086 (1)
8-10-P	22.62	22.62	43.59	0.00	-1007.95	29.863 (1)
8-11-P	22.62	22.62	0.60	-58.84	-1007.95	17.132 (2)
8-12-P	22.62	22.62	11.71	-50.12	-1007.95	20.110 (2)
8-13-P	22.62	22.62	31.54	-50.14	-1007.95	20.104 (2)
8-14-P	22.62	22.62	55.13	-53.90	1007.95	18.283 (2)
8-15-P	22.62	22.62	37.21	-49.88	-1007.95	20.208 (2)
8-16-P	22.62	22.62	0.00	-75.26	1007.95	13.561 (1)
8-17-P	22.62	22.62	0.00	-124.48	-1007.95	10.013 (1)
8-18-P	22.62	22.62	0.00	-74.27	-1007.95	15.226 (1)
8-19-P	22.62	22.62	17.92	-32.99	-1007.95	30.557 (2)
8-20-P	22.62	22.62	36.69	-39.05	-1007.95	20.651 (2)
8-21-P	22.62	22.62	15.93	-40.02	-1007.95	25.186 (2)
8-22-P	22.62	22.62	48.58	0.00	-1007.95	20.868 (1)
8-23-P	22.62	22.62	1.00	-68.55	-1007.95	14.703 (2)
8-24-P	22.62	22.62	12.38	-55.40	-1007.95	18.193 (2)
8-25-P	22.62	22.62	32.22	-50.72	-1007.95	19.874 (2)
8-26-P	22.62	22.62	56.09	-50.06	1007.95	17.971 (2)
8-27-P	22.62	22.62	38.64	-43.36	-1007.95	23.246 (2)
8-28-P	22.62	22.62	33.34	-48.81	1007.95	12.093 (2)
8-29-P	22.62	22.62	0.00	-120.05	1007.95	8.763 (1)
8-30-P	22.62	22.62	32.14	-44.06	1007.95	12.546 (2)
8-31-P	22.62	22.62	28.59	-26.22	1007.95	35.256 (2)
8-32-P	22.62	22.62	48.57	-31.91	1007.95	20.751 (2)
8-33-P	22.62	22.62	40.14	0.00	-1007.95	35.950 (1)
8-34-P	22.62	22.62	50.92	0.00	-1007.95	31.851 (1)
8-35-P	22.62	22.62	61.70	0.00	-1007.95	21.185 (1)
8-36-P	22.62	22.62	50.88	0.00	-1007.95	29.116 (1)
8-37-P	22.62	22.62	40.05	0.00	1007.95	30.779 (1)
8-38-P	22.62	22.62	59.59	-34.23	1007.95	16.916 (2)
8-39-P	22.62	22.62	42.64	-28.75	1007.95	23.639 (2)
8-40-P	22.62	22.62	38.88	-36.44	1007.95	10.371 (2)
8-41-P	22.62	22.62	52.71	-61.73	1007.95	7.650 (2)
8-42-P	22.62	22.62	38.79	-34.39	1007.95	10.393 (2)
8-43-P	22.62	22.62	39.64	-21.81	1007.95	25.425 (2)
8-44-P	22.62	22.62	58.35	-27.08	1007.95	17.275 (2)
8-45-P	22.62	22.62	39.36	0.00	1007.95	33.369 (1)
8-46-P	22.62	22.62	50.04	0.00	-1007.95	45.761 (1)
8-47-P	22.62	22.62	60.71	0.00	-1007.95	28.476 (1)
8-48-P	22.62	22.62	49.86	0.00	-1007.95	43.867 (1)
8-49-P	22.62	22.62	39.01	0.00	1007.95	30.253 (1)
8-50-P	22.62	22.62	62.31	-27.55	1007.95	16.177 (2)
8-51-P	22.62	22.62	44.88	-22.34	1007.95	22.461 (2)
8-52-P	22.62	22.62	41.38	-31.07	1007.95	9.743 (2)
8-53-P	22.62	22.62	55.47	-57.38	1007.95	7.268 (2)
8-54-P	22.62	22.62	41.41	-30.57	1007.95	9.736 (2)
8-55-P	22.62	22.62	44.40	-20.81	1007.95	22.700 (2)
8-56-P	22.62	22.62	62.31	-25.97	1007.95	16.175 (2)
8-57-P	22.62	22.62	38.60	0.00	1007.95	30.264 (1)
8-58-P	22.62	22.62	49.36	0.00	-1007.95	51.227 (1)
8-59-P	22.62	22.62	60.12	0.00	-1007.95	31.400 (1)
8-60-P	22.62	22.62	49.36	0.00	-1007.95	51.227 (1)
8-61-P	22.62	22.62	38.60	0.00	1007.95	30.264 (1)
8-62-P	22.62	22.62	62.31	-25.97	1007.95	16.175 (2)
8-63-P	22.62	22.62	44.40	-20.81	1007.95	22.700 (2)
8-64-P	22.62	22.62	41.41	-30.57	1007.95	9.736 (2)
8-65-P	22.62	22.62	55.47	-57.38	1007.95	7.268 (2)
8-66-P	22.62	22.62	41.38	-31.07	1007.95	9.743 (2)
8-67-P	22.62	22.62	44.88	-22.34	1007.95	22.461 (2)
8-68-P	22.62	22.62	62.31	-27.55	1007.95	16.177 (2)
8-69-P	22.62	22.62	39.01	0.00	1007.95	30.253 (1)
8-70-P	22.62	22.62	49.86	0.00	-1007.95	43.867 (1)
8-71-P	22.62	22.62	60.71	0.00	-1007.95	28.476 (1)
8-72-P	22.62	22.62	50.04	0.00	-1007.95	45.761 (1)
8-73-P	22.62	22.62	39.36	0.00	1007.95	33.369 (1)
8-74-P	22.62	22.62	58.35	-27.08	1007.95	17.275 (2)
8-75-P	22.62	22.62	39.64	-21.81	1007.95	25.425 (2)
8-76-P	22.62	22.62	38.79	-34.39	1007.95	10.393 (2)
8-77-P	22.62	22.62	52.71	-61.73	1007.95	7.650 (2)
8-78-P	22.62	22.62	38.88	-36.44	1007.95	10.371 (2)
8-79-P	22.62	22.62	42.64	-28.75	1007.95	23.639 (2)
8-80-P	22.62	22.62	59.59	-34.23	1007.95	16.916 (2)
8-81-P	22.62	22.62	40.05	0.00	1007.95	30.779 (1)
8-82-P	22.62	22.62	50.88	0.00	-1007.95	29.116 (1)
8-83-P	22.62	22.62	61.70	0.00	-1007.95	21.185 (1)
8-84-P	22.62	22.62	50.92	0.00	-1007.95	31.851 (1)
8-85-P	22.62	22.62	40.14	0.00	-1007.95	35.950 (1)
8-86-P	22.62	22.62	48.57	-31.91	1007.95	20.751 (2)
8-87-P	22.62	22.62	28.59	-26.22	1007.95	35.256 (2)
8-88-P	22.62	22.62	32.14	-44.06	1007.95	12.546 (2)
8-89-P	22.62	22.62	0.00	-120.05	1007.95	8.763 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
8-90-P	22.62	22.62	33.34	-48.81	1007.95	12.093 (2)
8-91-P	22.62	22.62	38.64	-43.36	-1007.95	23.246 (2)
8-92-P	22.62	22.62	56.09	-50.06	1007.95	17.971 (2)
8-93-P	22.62	22.62	32.22	-50.72	-1007.95	19.874 (2)
8-94-P	22.62	22.62	12.38	-55.40	-1007.95	18.193 (2)
8-95-P	22.62	22.62	1.00	-68.55	-1007.95	14.703 (2)
8-96-P	22.62	22.62	48.58	0.00	-1007.95	20.868 (1)
8-97-P	22.62	22.62	15.93	-40.02	-1007.95	25.186 (2)
8-98-P	22.62	22.62	36.69	-39.05	-1007.95	20.651 (2)
8-99-P	22.62	22.62	17.92	-32.99	-1007.95	30.557 (2)
8-100-P	22.62	22.62	0.00	-74.27	-1007.95	15.226 (1)
8-101-P	22.62	22.62	0.00	-124.48	-1007.95	10.013 (1)
8-102-P	22.62	22.62	0.00	-75.26	1007.95	13.561 (1)
8-103-P	22.62	22.62	37.21	-49.88	-1007.95	20.208 (2)
8-104-P	22.62	22.62	55.13	-53.90	1007.95	18.283 (2)
8-105-P	22.62	22.62	31.54	-50.14	-1007.95	20.104 (2)
8-106-P	22.62	22.62	11.71	-50.12	-1007.95	20.110 (2)
8-107-P	22.62	22.62	0.60	-58.84	-1007.95	17.132 (2)
8-108-P	22.62	22.62	43.59	0.00	-1007.95	29.863 (1)
8-109-P	22.62	22.62	34.48	-1.50	-1007.95	32.086 (1)
8-110-P	22.62	22.62	58.98	-28.98	1007.95	17.091 (2)
8-111-P	22.62	22.62	45.79	-19.41	1007.95	22.013 (2)
8-112-P	22.62	22.62	39.32	-17.97	1007.95	10.255 (2)
8-113-P	22.62	22.62	55.67	-39.35	1007.95	7.242 (2)
8-114-P	22.62	22.62	0.00	-75.79	1007.95	17.187 (1)
8-115-P	22.62	22.62	97.23	-26.30	1007.95	10.367 (2)
8-116-P	22.62	22.62	53.86	-19.29	1007.95	18.715 (2)
8-117-P	22.62	22.62	24.45	-28.24	-1007.95	21.412 (2)
9-1-S	22.62	49.76	0.06	-0.24	1010.63	100.000 (1)
9-2-S	22.62	49.76	0.00	-1.85	1010.63	100.000 (1)
9-3-S	22.62	49.76	0.00	-3.52	-2189.41	100.000 (1)
9-4-S	22.62	49.76	0.00	-9.34	-2189.41	100.000 (1)
9-5-S	22.62	49.76	0.00	-15.21	-2189.41	100.000 (1)
9-6-S	22.62	49.76	0.00	-2049.90	-2189.41	1.068 (2)
9-7-S	22.62	49.76	0.00	-1818.50	-2189.41	1.204 (2)
9-8-S	22.62	49.76	0.00	-1587.11	-2189.41	1.380 (2)
9-9-S	22.62	49.76	0.00	-1373.54	-2189.41	1.594 (2)
9-10-S	22.62	49.76	0.00	-1207.50	-2189.41	1.813 (2)
9-11-S	22.62	49.76	0.00	-1041.68	-2189.41	2.102 (2)
9-12-S	22.62	49.76	0.00	-873.78	-2189.41	2.506 (2)
9-13-S	22.62	49.76	0.00	-704.26	-2189.41	3.109 (2)
9-14-S	22.62	49.76	0.00	-534.75	-2189.41	4.094 (2)
9-15-S	22.62	49.76	0.11	-365.29	-2189.41	5.994 (2)
9-16-S	22.62	49.76	2.13	-196.36	-2189.41	11.150 (2)
9-17-S	22.62	49.76	109.45	-0.01	1010.63	41.882 (1)
9-18-S	22.62	49.76	150.21	-0.82	1010.63	6.728 (2)
9-19-S	22.62	49.76	250.57	0.00	1010.63	4.033 (2)
9-20-S	22.62	49.76	295.29	-3.01	1010.63	3.422 (2)
9-21-S	22.62	49.76	341.33	-7.33	1010.63	2.961 (2)
9-22-S	22.62	49.76	378.07	-11.78	1010.63	2.673 (2)
9-23-S	22.62	49.76	194.88	-19.91	1010.63	5.186 (2)
9-24-S	22.62	49.76	118.02	-121.25	1010.63	6.851 (2)
9-25-S	22.62	49.76	80.94	-76.64	1010.63	9.989 (2)
9-26-S	22.62	49.76	45.49	-33.67	1010.63	22.215 (2)
10-1-S	22.62	45.24	0.10	-0.05	1010.38	100.000 (1)
10-2-S	22.62	45.24	0.00	-1.76	-1994.51	100.000 (1)
10-3-S	22.62	45.24	0.00	-3.58	-1994.51	100.000 (1)
10-4-S	22.62	45.24	0.00	-9.07	-1994.51	100.000 (1)
10-5-S	22.62	45.24	0.00	-14.70	-1994.51	100.000 (1)
10-6-S	22.62	45.24	0.00	-1916.53	-1994.51	1.041 (2)
10-7-S	22.62	45.24	0.00	-1725.57	-1994.51	1.156 (2)
10-8-S	22.62	45.24	0.00	-1534.62	-1994.51	1.300 (2)
10-9-S	22.62	45.24	0.00	-1356.87	-1994.51	1.470 (2)
10-10-S	22.62	45.24	0.00	-1214.34	-1994.51	1.642 (2)
10-11-S	22.62	45.24	0.00	-1071.72	-1994.51	1.861 (2)
10-12-S	22.62	45.24	0.00	-923.16	-1994.51	2.161 (2)
10-13-S	22.62	45.24	0.00	-770.04	-1994.51	2.590 (2)
10-14-S	22.62	45.24	0.00	-616.92	-1994.51	3.233 (2)
10-15-S	22.62	45.24	0.00	-462.58	-1994.51	4.312 (2)
10-16-S	22.62	45.24	0.09	-281.55	-1994.51	7.084 (2)
10-17-S	22.62	45.24	85.29	-3.07	-1994.51	17.936 (1)
10-18-S	22.62	45.24	98.68	-17.55	1010.38	7.314 (2)
10-19-S	22.62	45.24	189.37	-0.24	1010.38	5.335 (2)
10-20-S	22.62	45.24	238.25	-3.10	1010.38	4.241 (2)
10-21-S	22.62	45.24	287.82	-6.63	1010.38	3.510 (2)
10-22-S	22.62	45.24	327.10	-10.04	1010.38	3.089 (2)
10-23-S	22.62	45.24	130.42	-17.75	1010.38	7.747 (2)
10-24-S	22.62	45.24	87.68	-174.59	-1994.51	6.854 (2)
10-25-S	22.62	45.24	56.54	-113.19	1010.38	10.722 (2)
10-26-S	22.62	45.24	29.88	-56.27	1010.38	33.809 (2)
11-1-S	22.62	40.72	0.05	-0.03	1010.07	100.000 (1)
11-2-S	22.62	40.72	0.00	-1.85	-1798.80	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
11-3-S	22.62	40.72	0.00	-3.72	-1798.80	100.000 (1)
11-4-S	22.62	40.72	0.00	-9.26	-1798.80	100.000 (1)
11-5-S	22.62	40.72	0.00	-14.83	-1798.80	100.000 (1)
11-6-S	22.62	40.72	0.00	-1637.17	-1798.80	1.099 (2)
11-7-S	22.62	40.72	0.00	-1377.37	-1798.80	1.306 (2)
11-8-S	22.62	40.72	0.00	-1117.57	-1798.80	1.610 (2)
11-9-S	22.62	40.72	0.00	-948.25	-1798.80	1.897 (2)
11-10-S	22.62	40.72	0.00	-1052.65	-1798.80	1.709 (2)
11-11-S	22.62	40.72	0.00	-1155.60	-1798.80	1.557 (2)
11-12-S	22.62	40.72	0.00	-1125.65	-1798.80	1.598 (2)
11-13-S	22.62	40.72	0.00	-991.18	-1798.80	1.815 (2)
11-14-S	22.62	40.72	0.00	-853.16	-1798.80	2.108 (2)
11-15-S	22.62	40.72	0.00	-712.49	-1798.80	2.525 (2)
11-16-S	22.62	40.72	0.00	-514.12	-1798.80	3.499 (2)
11-17-S	22.62	40.72	0.00	-315.75	-1798.80	5.697 (2)
11-18-S	22.62	40.72	0.00	-117.38	-1798.80	15.324 (2)
11-19-S	22.62	40.72	71.79	-0.14	1010.07	56.496 (1)
11-20-S	22.62	40.72	71.22	0.00	1010.07	15.799 (1)
11-21-S	22.62	40.72	116.97	-8.72	1010.07	8.635 (2)
11-22-S	22.62	40.72	167.39	-8.99	1010.07	6.034 (2)
11-23-S	22.62	40.72	144.77	-4.77	1010.07	6.977 (2)
11-24-S	22.62	40.72	123.03	-1.64	1010.07	8.210 (2)
11-25-S	22.62	40.72	94.07	-2.00	1010.07	10.737 (2)
11-26-S	22.62	40.72	65.72	-2.96	1010.07	15.370 (2)
12-1-S	22.62	40.72	0.08	-0.17	1010.07	100.000 (1)
12-2-S	22.62	40.72	0.00	-1.88	-1798.80	100.000 (1)
12-3-S	22.62	40.72	0.00	-3.68	-1798.80	100.000 (1)
12-4-S	22.62	40.72	0.00	-9.39	-1798.80	100.000 (1)
12-5-S	22.62	40.72	0.00	-15.13	-1798.80	100.000 (1)
12-6-S	22.62	40.72	0.00	-1690.23	-1798.80	1.064 (2)
12-7-S	22.62	40.72	0.00	-1548.09	-1798.80	1.162 (2)
12-8-S	22.62	40.72	0.00	-1405.94	-1798.80	1.279 (2)
12-9-S	22.62	40.72	0.00	-1272.59	-1798.80	1.413 (2)
12-10-S	22.62	40.72	0.00	-1162.69	-1798.80	1.547 (2)
12-11-S	22.62	40.72	0.00	-1052.70	-1798.80	1.709 (2)
12-12-S	22.62	40.72	0.00	-929.39	-1798.80	1.935 (2)
12-13-S	22.62	40.72	0.00	-795.35	-1798.80	2.262 (2)
12-14-S	22.62	40.72	0.00	-661.32	-1798.80	2.720 (2)
12-15-S	22.62	40.72	0.00	-525.32	-1798.80	3.424 (2)
12-16-S	22.62	40.72	0.00	-346.61	-1798.80	5.190 (2)
12-17-S	22.62	40.72	0.00	-167.89	-1798.80	10.714 (2)
12-18-S	22.62	40.72	94.77	-0.08	1010.07	12.318 (1)
12-19-S	22.62	40.72	135.22	-12.03	1010.07	7.470 (2)
12-20-S	22.62	40.72	192.05	-13.38	1010.07	5.260 (2)
12-21-S	22.62	40.72	249.37	-15.22	1010.07	4.051 (2)
12-22-S	22.62	40.72	296.81	-16.87	1010.07	3.403 (2)
12-23-S	22.62	40.72	129.18	-32.78	1010.07	7.819 (2)
12-24-S	22.62	40.72	82.46	-165.22	1010.07	7.350 (2)
12-25-S	22.62	40.72	55.52	-111.03	1010.07	10.915 (2)
12-26-S	22.62	40.72	30.49	-58.73	1010.07	19.880 (2)
13-1-S	22.62	40.72	0.14	-0.08	1010.07	100.000 (1)
13-2-S	22.62	40.72	0.00	-1.76	-1798.80	100.000 (1)
13-3-S	22.62	40.72	0.00	-3.57	-1798.80	100.000 (1)
13-4-S	22.62	40.72	0.00	-9.00	-1798.80	100.000 (1)
13-5-S	22.62	40.72	0.00	-14.53	-1798.80	100.000 (1)
13-6-S	22.62	40.72	0.00	-1627.82	-1798.80	1.105 (2)
13-7-S	22.62	40.72	0.00	-1494.27	-1798.80	1.204 (2)
13-8-S	22.62	40.72	0.00	-1360.72	-1798.80	1.322 (2)
13-9-S	22.62	40.72	0.00	-1235.82	-1798.80	1.456 (2)
13-10-S	22.62	40.72	0.00	-1134.47	-1798.80	1.586 (2)
13-11-S	22.62	40.72	0.00	-1032.09	-1798.80	1.743 (2)
13-12-S	22.62	40.72	0.00	-915.37	-1798.80	1.965 (2)
13-13-S	22.62	40.72	0.00	-786.69	-1798.80	2.287 (2)
13-14-S	22.62	40.72	0.00	-658.01	-1798.80	2.734 (2)
13-15-S	22.62	40.72	0.00	-527.23	-1798.80	3.412 (2)
13-16-S	22.62	40.72	0.00	-350.52	-1798.80	5.132 (2)
13-17-S	22.62	40.72	0.00	-173.80	-1798.80	10.350 (2)
13-18-S	22.62	40.72	89.82	-1.29	1010.07	13.673 (1)
13-19-S	22.62	40.72	116.48	-1.84	1010.07	7.433 (2)
13-20-S	22.62	40.72	175.11	-4.48	1010.07	5.768 (2)
13-21-S	22.62	40.72	234.00	-7.37	1010.07	4.317 (2)
13-22-S	22.62	40.72	282.85	-9.84	1010.07	3.571 (2)
13-23-S	22.62	40.72	112.49	-21.07	1010.07	8.979 (2)
13-24-S	22.62	40.72	75.51	-161.32	1010.07	8.026 (2)
13-25-S	22.62	40.72	48.96	-106.33	1010.07	12.379 (2)
13-26-S	22.62	40.72	24.36	-53.28	1010.07	24.883 (2)
14-1-S	22.62	36.19	0.05	-0.03	1009.70	100.000 (1)
14-2-S	22.62	36.19	0.00	-1.84	-1602.31	100.000 (1)
14-3-S	22.62	36.19	0.00	-3.71	-1602.31	100.000 (1)
14-4-S	22.62	36.19	0.00	-9.22	-1602.31	100.000 (1)
14-5-S	22.62	36.19	0.00	-14.76	-1602.31	100.000 (1)
14-6-S	22.62	36.19	0.00	-1438.79	-1602.31	1.114 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
14-7-S	22.62	36.19	0.00	-1209.63	-1602.31	1.325 (2)
14-8-S	22.62	36.19	0.00	-973.34	-1602.31	1.646 (2)
14-9-S	22.62	36.19	0.00	-840.52	-1602.31	1.906 (2)
14-10-S	22.62	36.19	0.00	-971.04	-1602.31	1.650 (2)
14-11-S	22.62	36.19	0.00	-1101.57	-1602.31	1.455 (2)
14-12-S	22.62	36.19	0.00	-1091.05	-1602.31	1.469 (2)
14-13-S	22.62	36.19	0.00	-972.84	-1602.31	1.647 (2)
14-14-S	22.62	36.19	0.00	-851.16	-1602.31	1.883 (2)
14-15-S	22.62	36.19	0.00	-726.36	-1602.31	2.206 (2)
14-16-S	22.62	36.19	0.00	-533.47	-1602.31	3.004 (2)
14-17-S	22.62	36.19	0.00	-340.59	-1602.31	4.705 (2)
14-18-S	22.62	36.19	0.00	-147.70	-1602.31	10.848 (2)
14-19-S	22.62	36.19	52.78	0.00	-1602.31	51.057 (1)
14-20-S	22.62	36.19	55.10	0.00	1009.70	27.757 (1)
14-21-S	22.62	36.19	91.28	-9.65	1009.70	11.062 (2)
14-22-S	22.62	36.19	143.94	-9.59	1009.70	7.015 (2)
14-23-S	22.62	36.19	127.28	-5.33	1009.70	7.933 (2)
14-24-S	22.62	36.19	111.47	-2.19	1009.70	9.058 (2)
14-25-S	22.62	36.19	86.01	-2.47	1009.70	11.739 (2)
14-26-S	22.62	36.19	61.03	-3.22	1009.70	16.545 (2)
15-1-S	22.62	36.19	0.08	-0.16	1009.70	100.000 (1)
15-2-S	22.62	36.19	0.00	-1.88	-1602.31	100.000 (1)
15-3-S	22.62	36.19	0.00	-3.67	-1602.31	100.000 (1)
15-4-S	22.62	36.19	0.00	-9.37	-1602.31	100.000 (1)
15-5-S	22.62	36.19	0.00	-15.11	-1602.31	100.000 (1)
15-6-S	22.62	36.19	0.00	-1564.09	-1602.31	1.024 (2)
15-7-S	22.62	36.19	0.00	-1436.01	-1602.31	1.116 (2)
15-8-S	22.62	36.19	0.00	-1307.93	-1602.31	1.225 (2)
15-9-S	22.62	36.19	0.00	-1188.82	-1602.31	1.348 (2)
15-10-S	22.62	36.19	0.00	-1094.07	-1602.31	1.465 (2)
15-11-S	22.62	36.19	0.00	-998.30	-1602.31	1.605 (2)
15-12-S	22.62	36.19	0.00	-887.51	-1602.31	1.805 (2)
15-13-S	22.62	36.19	0.00	-764.22	-1602.31	2.097 (2)
15-14-S	22.62	36.19	0.00	-640.93	-1602.31	2.500 (2)
15-15-S	22.62	36.19	0.00	-515.43	-1602.31	3.109 (2)
15-16-S	22.62	36.19	0.00	-341.91	-1602.31	4.686 (2)
15-17-S	22.62	36.19	0.07	-168.45	-1602.31	9.512 (2)
15-18-S	22.62	36.19	83.37	-0.05	1009.70	13.048 (1)
15-19-S	22.62	36.19	126.26	-11.38	1009.70	7.997 (2)
15-20-S	22.62	36.19	182.49	-12.55	1009.70	5.533 (2)
15-21-S	22.62	36.19	239.73	-14.73	1009.70	4.212 (2)
15-22-S	22.62	36.19	287.28	-16.79	1009.70	3.515 (2)
15-23-S	22.62	36.19	122.08	-32.67	1009.70	8.271 (2)
15-24-S	22.62	36.19	79.60	-166.93	1009.70	7.611 (2)
15-25-S	22.62	36.19	53.69	-112.18	1009.70	11.285 (2)
15-26-S	22.62	36.19	29.70	-59.36	1009.70	20.400 (2)
16-1-S	22.62	36.19	0.14	-0.08	1009.70	100.000 (1)
16-2-S	22.62	36.19	0.00	-1.76	-1602.31	100.000 (1)
16-3-S	22.62	36.19	0.00	-3.57	-1602.31	100.000 (1)
16-4-S	22.62	36.19	0.00	-8.99	-1602.31	100.000 (1)
16-5-S	22.62	36.19	0.00	-14.53	-1602.31	100.000 (1)
16-6-S	22.62	36.19	0.00	-1548.77	-1602.31	1.035 (2)
16-7-S	22.62	36.19	0.00	-1421.28	-1602.31	1.127 (2)
16-8-S	22.62	36.19	0.00	-1293.79	-1602.31	1.238 (2)
16-9-S	22.62	36.19	0.00	-1175.40	-1602.31	1.363 (2)
16-10-S	22.62	36.19	0.00	-1081.76	-1602.31	1.481 (2)
16-11-S	22.62	36.19	0.00	-987.09	-1602.31	1.623 (2)
16-12-S	22.62	36.19	0.00	-877.43	-1602.31	1.826 (2)
16-13-S	22.62	36.19	0.00	-755.29	-1602.31	2.121 (2)
16-14-S	22.62	36.19	0.00	-633.14	-1602.31	2.531 (2)
16-15-S	22.62	36.19	0.00	-508.79	-1602.31	3.149 (2)
16-16-S	22.62	36.19	0.00	-336.26	-1602.31	4.765 (2)
16-17-S	22.62	36.19	0.05	-163.77	-1602.31	9.784 (2)
16-18-S	22.62	36.19	83.07	-1.00	1009.70	13.462 (1)
16-19-S	22.62	36.19	121.34	-3.57	1009.70	8.321 (2)
16-20-S	22.62	36.19	178.01	-5.82	1009.70	5.672 (2)
16-21-S	22.62	36.19	235.05	-8.42	1009.70	4.296 (2)
16-22-S	22.62	36.19	282.28	-10.78	1009.70	3.577 (2)
16-23-S	22.62	36.19	112.81	-22.76	1009.70	8.951 (2)
16-24-S	22.62	36.19	76.06	-163.11	-1602.31	7.859 (2)
16-25-S	22.62	36.19	49.76	-108.09	1009.70	12.175 (2)
16-26-S	22.62	36.19	25.74	-55.36	1009.70	23.538 (2)
17-1-S	22.62	31.67	0.05	-0.03	1009.25	100.000 (1)
17-2-S	22.62	31.67	0.00	-1.84	-1405.02	100.000 (1)
17-3-S	22.62	31.67	0.00	-3.71	-1405.02	100.000 (1)
17-4-S	22.62	31.67	0.00	-9.22	-1405.02	100.000 (1)
17-5-S	22.62	31.67	0.00	-14.76	-1405.02	95.219 (1)
17-6-S	22.62	31.67	0.00	-1389.36	-1405.02	1.011 (2)
17-7-S	22.62	31.67	0.00	-1162.53	-1405.02	1.209 (2)
17-8-S	22.62	31.67	0.00	-928.60	-1405.02	1.513 (2)
17-9-S	22.62	31.67	0.00	-798.53	-1405.02	1.760 (2)
17-10-S	22.62	31.67	0.00	-932.92	-1405.02	1.506 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
17-11-S	22.62	31.67	0.00	-1067.31	-1405.02	1.316 (2)
17-12-S	22.62	31.67	0.00	-1064.09	-1405.02	1.320 (2)
17-13-S	22.62	31.67	0.00	-946.21	-1405.02	1.485 (2)
17-14-S	22.62	31.67	0.00	-828.33	-1405.02	1.696 (2)
17-15-S	22.62	31.67	0.00	-707.30	-1405.02	1.986 (2)
17-16-S	22.62	31.67	0.00	-517.47	-1405.02	2.715 (2)
17-17-S	22.62	31.67	0.00	-327.63	-1405.02	4.288 (2)
17-18-S	22.62	31.67	0.00	-137.79	-1405.02	10.197 (2)
17-19-S	22.62	31.67	49.13	0.00	-1405.02	59.412 (1)
17-20-S	22.62	31.67	51.97	0.00	1009.25	25.430 (1)
17-21-S	22.62	31.67	93.52	-7.91	1009.25	10.792 (2)
17-22-S	22.62	31.67	144.74	-8.14	1009.25	6.973 (2)
17-23-S	22.62	31.67	127.39	-4.06	1009.25	7.922 (2)
17-24-S	22.62	31.67	111.03	-1.22	1009.25	9.090 (2)
17-25-S	22.62	31.67	85.34	-1.53	1009.25	11.826 (2)
17-26-S	22.62	31.67	60.18	-2.37	1009.25	16.770 (2)
18-1-S	22.62	36.19	0.08	-0.16	1009.70	100.000 (1)
18-2-S	22.62	36.19	0.00	-1.88	-1602.31	100.000 (1)
18-3-S	22.62	36.19	0.00	-3.67	-1602.31	100.000 (1)
18-4-S	22.62	36.19	0.00	-9.37	-1602.31	100.000 (1)
18-5-S	22.62	36.19	0.00	-15.11	-1602.31	100.000 (1)
18-6-S	22.62	36.19	0.00	-1533.42	-1602.31	1.045 (2)
18-7-S	22.62	36.19	0.00	-1405.96	-1602.31	1.140 (2)
18-8-S	22.62	36.19	0.00	-1278.51	-1602.31	1.253 (2)
18-9-S	22.62	36.19	0.00	-1160.35	-1602.31	1.381 (2)
18-10-S	22.62	36.19	0.00	-1067.43	-1602.31	1.501 (2)
18-11-S	22.62	36.19	0.00	-973.47	-1602.31	1.646 (2)
18-12-S	22.62	36.19	0.00	-864.68	-1602.31	1.853 (2)
18-13-S	22.62	36.19	0.00	-743.52	-1602.31	2.155 (2)
18-14-S	22.62	36.19	0.00	-622.36	-1602.31	2.575 (2)
18-15-S	22.62	36.19	0.00	-499.00	-1602.31	3.211 (2)
18-16-S	22.62	36.19	0.00	-327.58	-1602.31	4.891 (2)
18-17-S	22.62	36.19	0.03	-156.19	-1602.31	10.259 (2)
18-18-S	22.62	36.19	50.02	-34.76	1009.70	12.112 (2)
18-19-S	22.62	36.19	130.39	-7.21	1009.70	7.744 (2)
18-20-S	22.62	36.19	185.48	-8.81	1009.70	5.444 (2)
18-21-S	22.62	36.19	241.44	-11.29	1009.70	4.182 (2)
18-22-S	22.62	36.19	287.61	-13.53	1009.70	3.511 (2)
18-23-S	22.62	36.19	118.56	-26.74	1009.70	8.517 (2)
18-24-S	22.62	36.19	78.20	-164.28	1009.70	7.748 (2)
18-25-S	22.62	36.19	52.12	-109.84	1009.70	11.622 (2)
18-26-S	22.62	36.19	28.36	-57.71	1009.70	21.358 (2)
19-1-S	22.62	36.19	0.14	-0.08	1009.70	100.000 (1)
19-2-S	22.62	36.19	0.00	-1.76	-1602.31	100.000 (1)
19-3-S	22.62	36.19	0.00	-3.57	-1602.31	100.000 (1)
19-4-S	22.62	36.19	0.00	-8.99	-1602.31	100.000 (1)
19-5-S	22.62	36.19	0.00	-14.53	-1602.31	100.000 (1)
19-6-S	22.62	36.19	0.00	-1529.88	-1602.31	1.047 (2)
19-7-S	22.62	36.19	0.00	-1402.29	-1602.31	1.143 (2)
19-8-S	22.62	36.19	0.00	-1274.71	-1602.31	1.257 (2)
19-9-S	22.62	36.19	0.00	-1156.46	-1602.31	1.386 (2)
19-10-S	22.62	36.19	0.00	-1063.60	-1602.31	1.507 (2)
19-11-S	22.62	36.19	0.00	-969.70	-1602.31	1.652 (2)
19-12-S	22.62	36.19	0.00	-861.03	-1602.31	1.861 (2)
19-13-S	22.62	36.19	0.00	-740.05	-1602.31	2.165 (2)
19-14-S	22.62	36.19	0.00	-619.07	-1602.31	2.588 (2)
19-15-S	22.62	36.19	0.00	-495.90	-1602.31	3.231 (2)
19-16-S	22.62	36.19	0.00	-324.76	-1602.31	4.934 (2)
19-17-S	22.62	36.19	0.02	-153.65	-1602.31	10.429 (2)
19-18-S	22.62	36.19	49.90	-32.39	1009.70	12.142 (2)
19-19-S	22.62	36.19	129.54	-4.41	1009.70	7.794 (2)
19-20-S	22.62	36.19	184.65	-6.34	1009.70	5.468 (2)
19-21-S	22.62	36.19	240.36	-8.87	1009.70	4.201 (2)
19-22-S	22.62	36.19	286.33	-11.21	1009.70	3.526 (2)
19-23-S	22.62	36.19	115.19	-22.65	1009.70	8.766 (2)
19-24-S	22.62	36.19	77.52	-163.20	-1602.31	5.891 (2)
19-25-S	22.62	36.19	50.63	-108.08	1009.70	11.965 (2)
19-26-S	22.62	36.19	26.81	-56.04	1009.70	22.593 (2)
20-1-S	22.62	31.67	0.05	-0.03	1009.25	100.000 (1)
20-2-S	22.62	31.67	0.00	-1.84	-1405.02	100.000 (1)
20-3-S	22.62	31.67	0.00	-3.71	-1405.02	100.000 (1)
20-4-S	22.62	31.67	0.00	-9.22	-1405.02	100.000 (1)
20-5-S	22.62	31.67	0.00	-14.76	-1405.02	95.219 (1)
20-6-S	22.62	31.67	0.00	-1377.88	-1405.02	1.020 (2)
20-7-S	22.62	31.67	0.00	-1150.71	-1405.02	1.221 (2)
20-8-S	22.62	31.67	0.00	-916.44	-1405.02	1.533 (2)
20-9-S	22.62	31.67	0.00	-786.19	-1405.02	1.787 (2)
20-10-S	22.62	31.67	0.00	-920.84	-1405.02	1.526 (2)
20-11-S	22.62	31.67	0.00	-1055.49	-1405.02	1.331 (2)
20-12-S	22.62	31.67	0.00	-1052.73	-1405.02	1.335 (2)
20-13-S	22.62	31.67	0.00	-935.47	-1405.02	1.502 (2)
20-14-S	22.62	31.67	0.00	-818.20	-1405.02	1.717 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
20-15-S	22.62	31.67	0.00	-697.79	-1405.02	2.014 (2)
20-16-S	22.62	31.67	0.00	-508.87	-1405.02	2.761 (2)
20-17-S	22.62	31.67	0.00	-319.94	-1405.02	4.391 (2)
20-18-S	22.62	31.67	0.00	-131.02	-1405.02	10.724 (2)
20-19-S	22.62	31.67	47.62	0.00	-1405.02	74.636 (1)
20-20-S	22.62	31.67	50.72	0.00	1009.25	23.062 (1)
20-21-S	22.62	31.67	96.77	-7.15	1009.25	10.430 (2)
20-22-S	22.62	31.67	147.08	-7.41	1009.25	6.862 (2)
20-23-S	22.62	31.67	128.87	-3.41	1009.25	7.831 (2)
20-24-S	22.62	31.67	111.71	-0.69	1009.25	9.035 (2)
20-25-S	22.62	31.67	85.50	-0.90	1009.25	11.803 (2)
20-26-S	22.62	31.67	59.80	-1.61	1009.25	16.878 (2)
21-1-S	22.62	36.19	0.08	-0.16	1009.70	100.000 (1)
21-2-S	22.62	36.19	0.00	-1.88	-1602.31	100.000 (1)
21-3-S	22.62	36.19	0.00	-3.67	-1602.31	100.000 (1)
21-4-S	22.62	36.19	0.00	-9.37	-1602.31	100.000 (1)
21-5-S	22.62	36.19	0.00	-15.11	-1602.31	100.000 (1)
21-6-S	22.62	36.19	0.00	-1526.64	-1602.31	1.050 (2)
21-7-S	22.62	36.19	0.00	-1398.81	-1602.31	1.145 (2)
21-8-S	22.62	36.19	0.00	-1270.97	-1602.31	1.261 (2)
21-9-S	22.62	36.19	0.00	-1152.54	-1602.31	1.390 (2)
21-10-S	22.62	36.19	0.00	-1059.65	-1602.31	1.512 (2)
21-11-S	22.62	36.19	0.00	-965.73	-1602.31	1.659 (2)
21-12-S	22.62	36.19	0.00	-857.12	-1602.31	1.869 (2)
21-13-S	22.62	36.19	0.00	-736.27	-1602.31	2.176 (2)
21-14-S	22.62	36.19	0.00	-615.42	-1602.31	2.604 (2)
21-15-S	22.62	36.19	0.00	-492.37	-1602.31	3.254 (2)
21-16-S	22.62	36.19	0.00	-321.53	-1602.31	4.983 (2)
21-17-S	22.62	36.19	0.00	-150.68	-1602.31	10.634 (2)
21-18-S	22.62	36.19	51.82	-31.65	1009.70	11.691 (2)
21-19-S	22.62	36.19	132.83	-5.35	1009.70	7.602 (2)
21-20-S	22.62	36.19	187.48	-7.16	1009.70	5.386 (2)
21-21-S	22.62	36.19	242.82	-9.67	1009.70	4.158 (2)
21-22-S	22.62	36.19	288.43	-12.00	1009.70	3.501 (2)
21-23-S	22.62	36.19	117.12	-23.66	1009.70	8.621 (2)
21-24-S	22.62	36.19	78.18	-163.32	-1602.31	5.886 (2)
21-25-S	22.62	36.19	51.34	-108.43	1009.70	11.801 (2)
21-26-S	22.62	36.19	27.59	-56.64	1009.70	21.957 (2)
22-1-S	22.62	36.19	0.14	-0.08	1009.70	100.000 (1)
22-2-S	22.62	36.19	0.00	-1.76	-1602.31	100.000 (1)
22-3-S	22.62	36.19	0.00	-3.57	-1602.31	100.000 (1)
22-4-S	22.62	36.19	0.00	-8.99	-1602.31	100.000 (1)
22-5-S	22.62	36.19	0.00	-14.53	-1602.31	100.000 (1)
22-6-S	22.62	36.19	0.00	-1526.05	-1602.31	1.050 (2)
22-7-S	22.62	36.19	0.00	-1398.15	-1602.31	1.146 (2)
22-8-S	22.62	36.19	0.00	-1270.25	-1602.31	1.261 (2)
22-9-S	22.62	36.19	0.00	-1151.77	-1602.31	1.391 (2)
22-10-S	22.62	36.19	0.00	-1058.86	-1602.31	1.513 (2)
22-11-S	22.62	36.19	0.00	-964.92	-1602.31	1.661 (2)
22-12-S	22.62	36.19	0.00	-856.30	-1602.31	1.871 (2)
22-13-S	22.62	36.19	0.00	-735.47	-1602.31	2.179 (2)
22-14-S	22.62	36.19	0.00	-614.63	-1602.31	2.607 (2)
22-15-S	22.62	36.19	0.00	-491.61	-1602.31	3.259 (2)
22-16-S	22.62	36.19	0.00	-320.82	-1602.31	4.994 (2)
22-17-S	22.62	36.19	0.00	-150.02	-1602.31	10.680 (2)
22-18-S	22.62	36.19	52.04	-31.27	1009.70	11.642 (2)
22-19-S	22.62	36.19	132.73	-4.72	1009.70	7.607 (2)
22-20-S	22.62	36.19	187.37	-6.60	1009.70	5.389 (2)
22-21-S	22.62	36.19	242.64	-9.11	1009.70	4.161 (2)
22-22-S	22.62	36.19	288.19	-11.46	1009.70	3.504 (2)
22-23-S	22.62	36.19	116.37	-22.69	1009.70	8.677 (2)
22-24-S	22.62	36.19	78.11	-163.13	-1602.31	5.893 (2)
22-25-S	22.62	36.19	50.99	-108.00	1009.70	11.882 (2)
22-26-S	22.62	36.19	27.22	-56.23	1009.70	22.253 (2)
23-1-S	27.14	31.67	0.05	-0.03	1208.87	100.000 (1)
23-2-S	27.14	31.67	0.00	-1.84	-1406.53	100.000 (1)
23-3-S	27.14	31.67	0.00	-3.71	-1406.53	100.000 (1)
23-4-S	27.14	31.67	0.00	-9.22	-1406.53	100.000 (1)
23-5-S	27.14	31.67	0.00	-14.76	-1406.53	95.321 (1)
23-6-S	27.14	31.67	0.00	-1375.95	-1406.53	1.022 (2)
23-7-S	27.14	31.67	0.00	-1148.58	-1406.53	1.225 (2)
23-8-S	27.14	31.67	0.00	-914.12	-1406.53	1.539 (2)
23-9-S	27.14	31.67	0.00	-783.70	-1406.53	1.795 (2)
23-10-S	27.14	31.67	0.00	-918.30	-1406.53	1.532 (2)
23-11-S	27.14	31.67	0.00	-1052.90	-1406.53	1.336 (2)
23-12-S	27.14	31.67	0.00	-1050.16	-1406.53	1.339 (2)
23-13-S	27.14	31.67	0.00	-932.95	-1406.53	1.508 (2)
23-14-S	27.14	31.67	0.00	-815.74	-1406.53	1.724 (2)
23-15-S	27.14	31.67	0.00	-695.40	-1406.53	2.023 (2)
23-16-S	27.14	31.67	0.00	-506.66	-1406.53	2.776 (2)
23-17-S	27.14	31.67	0.00	-317.91	-1406.53	4.424 (2)
23-18-S	27.14	31.67	0.00	-129.17	-1406.53	10.889 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
23-19-S	27.14	31.67	47.13	0.00	-1406.53	79.057 (1)
23-20-S	27.14	31.67	50.31	0.00	1208.87	26.869 (1)
23-21-S	27.14	31.67	97.76	-6.97	1208.87	12.366 (2)
23-22-S	27.14	31.67	147.83	-7.22	1208.87	8.178 (2)
23-23-S	27.14	31.67	129.36	-3.23	1208.87	9.345 (2)
23-24-S	27.14	31.67	111.94	-0.54	1208.87	10.799 (2)
23-25-S	27.14	31.67	85.56	-0.70	1208.87	14.128 (2)
23-26-S	27.14	31.67	59.65	-1.33	1208.87	20.266 (2)
24-1-S	22.62	36.19	0.08	-0.16	1009.70	100.000 (1)
24-2-S	22.62	36.19	0.00	-1.88	-1602.31	100.000 (1)
24-3-S	22.62	36.19	0.00	-3.67	-1602.31	100.000 (1)
24-4-S	22.62	36.19	0.00	-9.37	-1602.31	100.000 (1)
24-5-S	22.62	36.19	0.00	-15.11	-1602.31	100.000 (1)
24-6-S	22.62	36.19	0.00	-1526.05	-1602.31	1.050 (2)
24-7-S	22.62	36.19	0.00	-1398.15	-1602.31	1.146 (2)
24-8-S	22.62	36.19	0.00	-1270.25	-1602.31	1.261 (2)
24-9-S	22.62	36.19	0.00	-1151.77	-1602.31	1.391 (2)
24-10-S	22.62	36.19	0.00	-1058.86	-1602.31	1.513 (2)
24-11-S	22.62	36.19	0.00	-964.92	-1602.31	1.661 (2)
24-12-S	22.62	36.19	0.00	-856.30	-1602.31	1.871 (2)
24-13-S	22.62	36.19	0.00	-735.47	-1602.31	2.179 (2)
24-14-S	22.62	36.19	0.00	-614.63	-1602.31	2.607 (2)
24-15-S	22.62	36.19	0.00	-491.61	-1602.31	3.259 (2)
24-16-S	22.62	36.19	0.00	-320.82	-1602.31	4.994 (2)
24-17-S	22.62	36.19	0.00	-150.02	-1602.31	10.680 (2)
24-18-S	22.62	36.19	52.04	-31.27	1009.70	11.642 (2)
24-19-S	22.62	36.19	132.73	-4.72	1009.70	7.607 (2)
24-20-S	22.62	36.19	187.37	-6.60	1009.70	5.389 (2)
24-21-S	22.62	36.19	242.64	-9.11	1009.70	4.161 (2)
24-22-S	22.62	36.19	288.19	-11.46	1009.70	3.504 (2)
24-23-S	22.62	36.19	116.37	-22.69	1009.70	8.677 (2)
24-24-S	22.62	36.19	78.11	-163.13	-1602.31	5.893 (2)
24-25-S	22.62	36.19	50.99	-108.00	1009.70	11.882 (2)
24-26-S	22.62	36.19	27.22	-56.23	1009.70	22.253 (2)
25-1-S	22.62	36.19	0.14	-0.08	1009.70	100.000 (1)
25-2-S	22.62	36.19	0.00	-1.76	-1602.31	100.000 (1)
25-3-S	22.62	36.19	0.00	-3.57	-1602.31	100.000 (1)
25-4-S	22.62	36.19	0.00	-8.99	-1602.31	100.000 (1)
25-5-S	22.62	36.19	0.00	-14.53	-1602.31	100.000 (1)
25-6-S	22.62	36.19	0.00	-1526.64	-1602.31	1.050 (2)
25-7-S	22.62	36.19	0.00	-1398.81	-1602.31	1.145 (2)
25-8-S	22.62	36.19	0.00	-1270.97	-1602.31	1.261 (2)
25-9-S	22.62	36.19	0.00	-1152.54	-1602.31	1.390 (2)
25-10-S	22.62	36.19	0.00	-1059.65	-1602.31	1.512 (2)
25-11-S	22.62	36.19	0.00	-965.73	-1602.31	1.659 (2)
25-12-S	22.62	36.19	0.00	-857.12	-1602.31	1.869 (2)
25-13-S	22.62	36.19	0.00	-736.27	-1602.31	2.176 (2)
25-14-S	22.62	36.19	0.00	-615.42	-1602.31	2.604 (2)
25-15-S	22.62	36.19	0.00	-492.37	-1602.31	3.254 (2)
25-16-S	22.62	36.19	0.00	-321.53	-1602.31	4.983 (2)
25-17-S	22.62	36.19	0.00	-150.68	-1602.31	10.634 (2)
25-18-S	22.62	36.19	51.82	-31.65	1009.70	11.691 (2)
25-19-S	22.62	36.19	132.83	-5.35	1009.70	7.602 (2)
25-20-S	22.62	36.19	187.48	-7.16	1009.70	5.386 (2)
25-21-S	22.62	36.19	242.82	-9.67	1009.70	4.158 (2)
25-22-S	22.62	36.19	288.43	-12.00	1009.70	3.501 (2)
25-23-S	22.62	36.19	117.12	-23.66	1009.70	8.621 (2)
25-24-S	22.62	36.19	78.18	-163.32	-1602.31	5.886 (2)
25-25-S	22.62	36.19	51.34	-108.43	1009.70	11.801 (2)
25-26-S	22.62	36.19	27.59	-56.64	1009.70	21.957 (2)
26-1-S	22.62	31.67	0.05	-0.03	1009.25	100.000 (1)
26-2-S	22.62	31.67	0.00	-1.84	-1405.02	100.000 (1)
26-3-S	22.62	31.67	0.00	-3.71	-1405.02	100.000 (1)
26-4-S	22.62	31.67	0.00	-9.22	-1405.02	100.000 (1)
26-5-S	22.62	31.67	0.00	-14.76	-1405.02	95.219 (1)
26-6-S	22.62	31.67	0.00	-1377.88	-1405.02	1.020 (2)
26-7-S	22.62	31.67	0.00	-1150.71	-1405.02	1.221 (2)
26-8-S	22.62	31.67	0.00	-916.44	-1405.02	1.533 (2)
26-9-S	22.62	31.67	0.00	-786.19	-1405.02	1.787 (2)
26-10-S	22.62	31.67	0.00	-920.84	-1405.02	1.526 (2)
26-11-S	22.62	31.67	0.00	-1055.49	-1405.02	1.331 (2)
26-12-S	22.62	31.67	0.00	-1052.73	-1405.02	1.335 (2)
26-13-S	22.62	31.67	0.00	-935.47	-1405.02	1.502 (2)
26-14-S	22.62	31.67	0.00	-818.20	-1405.02	1.717 (2)
26-15-S	22.62	31.67	0.00	-697.79	-1405.02	2.014 (2)
26-16-S	22.62	31.67	0.00	-508.87	-1405.02	2.761 (2)
26-17-S	22.62	31.67	0.00	-319.94	-1405.02	4.391 (2)
26-18-S	22.62	31.67	0.00	-131.02	-1405.02	10.724 (2)
26-19-S	22.62	31.67	47.62	0.00	-1405.02	74.636 (1)
26-20-S	22.62	31.67	50.72	0.00	1009.25	23.062 (1)
26-21-S	22.62	31.67	96.77	-7.15	1009.25	10.430 (2)
26-22-S	22.62	31.67	147.08	-7.41	1009.25	6.862 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
26-23-S	22.62	31.67	128.87	-3.41	1009.25	7.831 (2)
26-24-S	22.62	31.67	111.71	-0.69	1009.25	9.035 (2)
26-25-S	22.62	31.67	85.50	-0.90	1009.25	11.803 (2)
26-26-S	22.62	31.67	59.80	-1.61	1009.25	16.878 (2)
27-1-S	22.62	36.19	0.08	-0.16	1009.70	100.000 (1)
27-2-S	22.62	36.19	0.00	-1.88	-1602.31	100.000 (1)
27-3-S	22.62	36.19	0.00	-3.67	-1602.31	100.000 (1)
27-4-S	22.62	36.19	0.00	-9.37	-1602.31	100.000 (1)
27-5-S	22.62	36.19	0.00	-15.11	-1602.31	100.000 (1)
27-6-S	22.62	36.19	0.00	-1529.88	-1602.31	1.047 (2)
27-7-S	22.62	36.19	0.00	-1402.29	-1602.31	1.143 (2)
27-8-S	22.62	36.19	0.00	-1274.71	-1602.31	1.257 (2)
27-9-S	22.62	36.19	0.00	-1156.46	-1602.31	1.386 (2)
27-10-S	22.62	36.19	0.00	-1063.60	-1602.31	1.507 (2)
27-11-S	22.62	36.19	0.00	-969.70	-1602.31	1.652 (2)
27-12-S	22.62	36.19	0.00	-861.03	-1602.31	1.861 (2)
27-13-S	22.62	36.19	0.00	-740.05	-1602.31	2.165 (2)
27-14-S	22.62	36.19	0.00	-619.07	-1602.31	2.588 (2)
27-15-S	22.62	36.19	0.00	-495.90	-1602.31	3.231 (2)
27-16-S	22.62	36.19	0.00	-324.76	-1602.31	4.934 (2)
27-17-S	22.62	36.19	0.02	-153.65	-1602.31	10.429 (2)
27-18-S	22.62	36.19	49.90	-32.39	1009.70	12.142 (2)
27-19-S	22.62	36.19	129.54	-4.41	1009.70	7.794 (2)
27-20-S	22.62	36.19	184.65	-6.34	1009.70	5.468 (2)
27-21-S	22.62	36.19	240.36	-8.87	1009.70	4.201 (2)
27-22-S	22.62	36.19	286.33	-11.21	1009.70	3.526 (2)
27-23-S	22.62	36.19	115.19	-22.65	1009.70	8.766 (2)
27-24-S	22.62	36.19	77.52	-163.20	-1602.31	5.891 (2)
27-25-S	22.62	36.19	50.63	-108.08	1009.70	11.965 (2)
27-26-S	22.62	36.19	26.81	-56.04	1009.70	22.593 (2)
28-1-S	22.62	36.19	0.14	-0.08	1009.70	100.000 (1)
28-2-S	22.62	36.19	0.00	-1.76	-1602.31	100.000 (1)
28-3-S	22.62	36.19	0.00	-3.57	-1602.31	100.000 (1)
28-4-S	22.62	36.19	0.00	-8.99	-1602.31	100.000 (1)
28-5-S	22.62	36.19	0.00	-14.53	-1602.31	100.000 (1)
28-6-S	22.62	36.19	0.00	-1533.42	-1602.31	1.045 (2)
28-7-S	22.62	36.19	0.00	-1405.96	-1602.31	1.140 (2)
28-8-S	22.62	36.19	0.00	-1278.51	-1602.31	1.253 (2)
28-9-S	22.62	36.19	0.00	-1160.35	-1602.31	1.381 (2)
28-10-S	22.62	36.19	0.00	-1067.43	-1602.31	1.501 (2)
28-11-S	22.62	36.19	0.00	-973.47	-1602.31	1.646 (2)
28-12-S	22.62	36.19	0.00	-864.68	-1602.31	1.853 (2)
28-13-S	22.62	36.19	0.00	-743.52	-1602.31	2.155 (2)
28-14-S	22.62	36.19	0.00	-622.36	-1602.31	2.575 (2)
28-15-S	22.62	36.19	0.00	-499.00	-1602.31	3.211 (2)
28-16-S	22.62	36.19	0.00	-327.58	-1602.31	4.891 (2)
28-17-S	22.62	36.19	0.03	-156.19	-1602.31	10.259 (2)
28-18-S	22.62	36.19	50.02	-34.76	1009.70	12.112 (2)
28-19-S	22.62	36.19	130.39	-7.21	1009.70	7.744 (2)
28-20-S	22.62	36.19	185.48	-8.81	1009.70	5.444 (2)
28-21-S	22.62	36.19	241.44	-11.29	1009.70	4.182 (2)
28-22-S	22.62	36.19	287.61	-13.53	1009.70	3.511 (2)
28-23-S	22.62	36.19	118.56	-26.74	1009.70	8.517 (2)
28-24-S	22.62	36.19	78.20	-164.28	1009.70	7.748 (2)
28-25-S	22.62	36.19	52.12	-109.84	1009.70	11.622 (2)
28-26-S	22.62	36.19	28.36	-57.71	1009.70	21.358 (2)
29-1-S	22.62	31.67	0.05	-0.03	1009.25	100.000 (1)
29-2-S	22.62	31.67	0.00	-1.84	-1405.02	100.000 (1)
29-3-S	22.62	31.67	0.00	-3.71	-1405.02	100.000 (1)
29-4-S	22.62	31.67	0.00	-9.22	-1405.02	100.000 (1)
29-5-S	22.62	31.67	0.00	-14.76	-1405.02	95.219 (1)
29-6-S	22.62	31.67	0.00	-1389.36	-1405.02	1.011 (2)
29-7-S	22.62	31.67	0.00	-1162.53	-1405.02	1.209 (2)
29-8-S	22.62	31.67	0.00	-928.60	-1405.02	1.513 (2)
29-9-S	22.62	31.67	0.00	-798.53	-1405.02	1.760 (2)
29-10-S	22.62	31.67	0.00	-932.92	-1405.02	1.506 (2)
29-11-S	22.62	31.67	0.00	-1067.31	-1405.02	1.316 (2)
29-12-S	22.62	31.67	0.00	-1064.09	-1405.02	1.320 (2)
29-13-S	22.62	31.67	0.00	-946.21	-1405.02	1.485 (2)
29-14-S	22.62	31.67	0.00	-828.33	-1405.02	1.696 (2)
29-15-S	22.62	31.67	0.00	-707.30	-1405.02	1.986 (2)
29-16-S	22.62	31.67	0.00	-517.47	-1405.02	2.715 (2)
29-17-S	22.62	31.67	0.00	-327.63	-1405.02	4.288 (2)
29-18-S	22.62	31.67	0.00	-137.79	-1405.02	10.197 (2)
29-19-S	22.62	31.67	49.13	0.00	-1405.02	59.412 (1)
29-20-S	22.62	31.67	51.97	0.00	1009.25	25.430 (1)
29-21-S	22.62	31.67	93.52	-7.91	1009.25	10.792 (2)
29-22-S	22.62	31.67	144.74	-8.14	1009.25	6.973 (2)
29-23-S	22.62	31.67	127.39	-4.06	1009.25	7.922 (2)
29-24-S	22.62	31.67	111.03	-1.22	1009.25	9.090 (2)
29-25-S	22.62	31.67	85.34	-1.53	1009.25	11.826 (2)
29-26-S	22.62	31.67	60.18	-2.37	1009.25	16.770 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
30-1-S	22.62	36.19	0.08	-0.16	1009.70	100.000 (1)
30-2-S	22.62	36.19	0.00	-1.88	-1602.31	100.000 (1)
30-3-S	22.62	36.19	0.00	-3.67	-1602.31	100.000 (1)
30-4-S	22.62	36.19	0.00	-9.37	-1602.31	100.000 (1)
30-5-S	22.62	36.19	0.00	-15.11	-1602.31	100.000 (1)
30-6-S	22.62	36.19	0.00	-1548.77	-1602.31	1.035 (2)
30-7-S	22.62	36.19	0.00	-1421.28	-1602.31	1.127 (2)
30-8-S	22.62	36.19	0.00	-1293.79	-1602.31	1.238 (2)
30-9-S	22.62	36.19	0.00	-1175.40	-1602.31	1.363 (2)
30-10-S	22.62	36.19	0.00	-1081.76	-1602.31	1.481 (2)
30-11-S	22.62	36.19	0.00	-987.09	-1602.31	1.623 (2)
30-12-S	22.62	36.19	0.00	-877.43	-1602.31	1.826 (2)
30-13-S	22.62	36.19	0.00	-755.29	-1602.31	2.121 (2)
30-14-S	22.62	36.19	0.00	-633.14	-1602.31	2.531 (2)
30-15-S	22.62	36.19	0.00	-508.79	-1602.31	3.149 (2)
30-16-S	22.62	36.19	0.00	-336.26	-1602.31	4.765 (2)
30-17-S	22.62	36.19	0.05	-163.77	-1602.31	9.784 (2)
30-18-S	22.62	36.19	83.07	-1.00	1009.70	13.462 (1)
30-19-S	22.62	36.19	121.34	-3.57	1009.70	8.321 (2)
30-20-S	22.62	36.19	178.01	-5.82	1009.70	5.672 (2)
30-21-S	22.62	36.19	235.05	-8.42	1009.70	4.296 (2)
30-22-S	22.62	36.19	282.28	-10.78	1009.70	3.577 (2)
30-23-S	22.62	36.19	112.81	-22.76	1009.70	8.951 (2)
30-24-S	22.62	36.19	76.06	-163.11	-1602.31	7.859 (2)
30-25-S	22.62	36.19	49.76	-108.09	1009.70	12.175 (2)
30-26-S	22.62	36.19	25.74	-55.36	1009.70	23.538 (2)
31-1-S	22.62	36.19	0.14	-0.08	1009.70	100.000 (1)
31-2-S	22.62	36.19	0.00	-1.76	-1602.31	100.000 (1)
31-3-S	22.62	36.19	0.00	-3.57	-1602.31	100.000 (1)
31-4-S	22.62	36.19	0.00	-8.99	-1602.31	100.000 (1)
31-5-S	22.62	36.19	0.00	-14.53	-1602.31	100.000 (1)
31-6-S	22.62	36.19	0.00	-1564.09	-1602.31	1.024 (2)
31-7-S	22.62	36.19	0.00	-1436.01	-1602.31	1.116 (2)
31-8-S	22.62	36.19	0.00	-1307.93	-1602.31	1.225 (2)
31-9-S	22.62	36.19	0.00	-1188.82	-1602.31	1.348 (2)
31-10-S	22.62	36.19	0.00	-1094.07	-1602.31	1.465 (2)
31-11-S	22.62	36.19	0.00	-998.30	-1602.31	1.605 (2)
31-12-S	22.62	36.19	0.00	-887.51	-1602.31	1.805 (2)
31-13-S	22.62	36.19	0.00	-764.22	-1602.31	2.097 (2)
31-14-S	22.62	36.19	0.00	-640.93	-1602.31	2.500 (2)
31-15-S	22.62	36.19	0.00	-515.43	-1602.31	3.109 (2)
31-16-S	22.62	36.19	0.00	-341.91	-1602.31	4.686 (2)
31-17-S	22.62	36.19	0.07	-168.45	-1602.31	9.512 (2)
31-18-S	22.62	36.19	83.37	-0.05	1009.70	13.048 (1)
31-19-S	22.62	36.19	126.26	-11.38	1009.70	7.997 (2)
31-20-S	22.62	36.19	182.49	-12.55	1009.70	5.533 (2)
31-21-S	22.62	36.19	239.73	-14.73	1009.70	4.212 (2)
31-22-S	22.62	36.19	287.28	-16.79	1009.70	3.515 (2)
31-23-S	22.62	36.19	122.08	-32.67	1009.70	8.271 (2)
31-24-S	22.62	36.19	79.60	-166.93	1009.70	7.611 (2)
31-25-S	22.62	36.19	53.69	-112.18	1009.70	11.285 (2)
31-26-S	22.62	36.19	29.70	-59.36	1009.70	20.400 (2)
32-1-S	22.62	36.19	0.05	-0.03	1009.70	100.000 (1)
32-2-S	22.62	36.19	0.00	-1.84	-1602.31	100.000 (1)
32-3-S	22.62	36.19	0.00	-3.71	-1602.31	100.000 (1)
32-4-S	22.62	36.19	0.00	-9.22	-1602.31	100.000 (1)
32-5-S	22.62	36.19	0.00	-14.76	-1602.31	100.000 (1)
32-6-S	22.62	36.19	0.00	-1438.79	-1602.31	1.114 (2)
32-7-S	22.62	36.19	0.00	-1209.63	-1602.31	1.325 (2)
32-8-S	22.62	36.19	0.00	-973.34	-1602.31	1.646 (2)
32-9-S	22.62	36.19	0.00	-840.52	-1602.31	1.906 (2)
32-10-S	22.62	36.19	0.00	-971.04	-1602.31	1.650 (2)
32-11-S	22.62	36.19	0.00	-1101.57	-1602.31	1.455 (2)
32-12-S	22.62	36.19	0.00	-1091.05	-1602.31	1.469 (2)
32-13-S	22.62	36.19	0.00	-972.84	-1602.31	1.647 (2)
32-14-S	22.62	36.19	0.00	-851.16	-1602.31	1.883 (2)
32-15-S	22.62	36.19	0.00	-726.36	-1602.31	2.206 (2)
32-16-S	22.62	36.19	0.00	-533.47	-1602.31	3.004 (2)
32-17-S	22.62	36.19	0.00	-340.59	-1602.31	4.705 (2)
32-18-S	22.62	36.19	0.00	-147.70	-1602.31	10.848 (2)
32-19-S	22.62	36.19	52.78	0.00	-1602.31	51.057 (1)
32-20-S	22.62	36.19	55.10	0.00	1009.70	27.757 (1)
32-21-S	22.62	36.19	91.28	-9.65	1009.70	11.062 (2)
32-22-S	22.62	36.19	143.94	-9.59	1009.70	7.015 (2)
32-23-S	22.62	36.19	127.28	-5.33	1009.70	7.933 (2)
32-24-S	22.62	36.19	111.47	-2.19	1009.70	9.058 (2)
32-25-S	22.62	36.19	86.01	-2.47	1009.70	11.739 (2)
32-26-S	22.62	36.19	61.03	-3.22	1009.70	16.545 (2)
33-1-S	22.62	40.72	0.08	-0.16	1010.07	100.000 (1)
33-2-S	22.62	40.72	0.00	-1.88	-1798.80	100.000 (1)
33-3-S	22.62	40.72	0.00	-3.67	-1798.80	100.000 (1)
33-4-S	22.62	40.72	0.00	-9.37	-1798.80	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
33-5-S	22.62	40.72	0.00	-15.12	-1798.80	100.000 (1)
33-6-S	22.62	40.72	0.00	-1627.82	-1798.80	1.105 (2)
33-7-S	22.62	40.72	0.00	-1494.27	-1798.80	1.204 (2)
33-8-S	22.62	40.72	0.00	-1360.72	-1798.80	1.322 (2)
33-9-S	22.62	40.72	0.00	-1235.82	-1798.80	1.456 (2)
33-10-S	22.62	40.72	0.00	-1134.47	-1798.80	1.586 (2)
33-11-S	22.62	40.72	0.00	-1032.09	-1798.80	1.743 (2)
33-12-S	22.62	40.72	0.00	-915.37	-1798.80	1.965 (2)
33-13-S	22.62	40.72	0.00	-786.69	-1798.80	2.287 (2)
33-14-S	22.62	40.72	0.00	-658.01	-1798.80	2.734 (2)
33-15-S	22.62	40.72	0.00	-527.23	-1798.80	3.412 (2)
33-16-S	22.62	40.72	0.00	-350.52	-1798.80	5.132 (2)
33-17-S	22.62	40.72	0.00	-173.80	-1798.80	10.350 (2)
33-18-S	22.62	40.72	89.82	-1.29	1010.07	13.673 (1)
33-19-S	22.62	40.72	116.48	-1.84	1010.07	7.433 (2)
33-20-S	22.62	40.72	175.11	-4.48	1010.07	5.768 (2)
33-21-S	22.62	40.72	234.00	-7.37	1010.07	4.317 (2)
33-22-S	22.62	40.72	282.85	-9.84	1010.07	3.571 (2)
33-23-S	22.62	40.72	112.49	-21.07	1010.07	8.979 (2)
33-24-S	22.62	40.72	75.51	-161.32	1010.07	8.026 (2)
33-25-S	22.62	40.72	48.96	-106.33	1010.07	12.379 (2)
33-26-S	22.62	40.72	24.36	-53.28	1010.07	24.883 (2)
34-1-S	22.62	40.72	0.15	-0.08	1010.07	100.000 (1)
34-2-S	22.62	40.72	0.00	-1.75	-1798.80	100.000 (1)
34-3-S	22.62	40.72	0.00	-3.56	-1798.80	100.000 (1)
34-4-S	22.62	40.72	0.00	-8.99	-1798.80	100.000 (1)
34-5-S	22.62	40.72	0.00	-14.53	-1798.80	100.000 (1)
34-6-S	22.62	40.72	0.00	-1690.23	-1798.80	1.064 (2)
34-7-S	22.62	40.72	0.00	-1548.09	-1798.80	1.162 (2)
34-8-S	22.62	40.72	0.00	-1405.94	-1798.80	1.279 (2)
34-9-S	22.62	40.72	0.00	-1272.59	-1798.80	1.413 (2)
34-10-S	22.62	40.72	0.00	-1162.69	-1798.80	1.547 (2)
34-11-S	22.62	40.72	0.00	-1052.70	-1798.80	1.709 (2)
34-12-S	22.62	40.72	0.00	-929.39	-1798.80	1.935 (2)
34-13-S	22.62	40.72	0.00	-795.35	-1798.80	2.262 (2)
34-14-S	22.62	40.72	0.00	-661.32	-1798.80	2.720 (2)
34-15-S	22.62	40.72	0.00	-525.32	-1798.80	3.424 (2)
34-16-S	22.62	40.72	0.00	-346.61	-1798.80	5.190 (2)
34-17-S	22.62	40.72	0.00	-167.89	-1798.80	10.714 (2)
34-18-S	22.62	40.72	94.77	-0.08	1010.07	12.318 (1)
34-19-S	22.62	40.72	135.22	-12.03	1010.07	7.470 (2)
34-20-S	22.62	40.72	192.05	-13.38	1010.07	5.260 (2)
34-21-S	22.62	40.72	249.37	-15.22	1010.07	4.051 (2)
34-22-S	22.62	40.72	296.81	-16.87	1010.07	3.403 (2)
34-23-S	22.62	40.72	129.18	-32.78	1010.07	7.819 (2)
34-24-S	22.62	40.72	82.46	-165.22	1010.07	7.350 (2)
34-25-S	22.62	40.72	55.52	-111.03	1010.07	10.915 (2)
34-26-S	22.62	40.72	30.49	-58.73	1010.07	19.880 (2)
35-1-S	22.62	40.72	0.02	-0.03	1010.07	100.000 (1)
35-2-S	22.62	40.72	0.00	-1.83	-1798.80	100.000 (1)
35-3-S	22.62	40.72	0.00	-3.66	-1798.80	100.000 (1)
35-4-S	22.62	40.72	0.00	-9.15	-1798.80	100.000 (1)
35-5-S	22.62	40.72	0.00	-14.66	-1798.80	100.000 (1)
35-6-S	22.62	40.72	0.00	-1637.17	-1798.80	1.099 (2)
35-7-S	22.62	40.72	0.00	-1377.37	-1798.80	1.306 (2)
35-8-S	22.62	40.72	0.00	-1117.57	-1798.80	1.610 (2)
35-9-S	22.62	40.72	0.00	-948.25	-1798.80	1.897 (2)
35-10-S	22.62	40.72	0.00	-1052.65	-1798.80	1.709 (2)
35-11-S	22.62	40.72	0.00	-1155.60	-1798.80	1.557 (2)
35-12-S	22.62	40.72	0.00	-1125.65	-1798.80	1.598 (2)
35-13-S	22.62	40.72	0.00	-991.18	-1798.80	1.815 (2)
35-14-S	22.62	40.72	0.00	-853.16	-1798.80	2.108 (2)
35-15-S	22.62	40.72	0.00	-712.49	-1798.80	2.525 (2)
35-16-S	22.62	40.72	0.00	-514.12	-1798.80	3.499 (2)
35-17-S	22.62	40.72	0.00	-315.75	-1798.80	5.697 (2)
35-18-S	22.62	40.72	0.00	-117.38	-1798.80	15.324 (2)
35-19-S	22.62	40.72	71.79	-0.14	1010.07	56.496 (1)
35-20-S	22.62	40.72	71.22	0.00	1010.07	15.799 (1)
35-21-S	22.62	40.72	116.97	-8.72	1010.07	8.635 (2)
35-22-S	22.62	40.72	167.39	-8.99	1010.07	6.034 (2)
35-23-S	22.62	40.72	144.77	-4.77	1010.07	6.977 (2)
35-24-S	22.62	40.72	123.03	-1.64	1010.07	8.210 (2)
35-25-S	22.62	40.72	94.07	-2.00	1010.07	10.737 (2)
35-26-S	22.62	40.72	65.72	-2.96	1010.07	15.370 (2)
36-1-S	22.62	45.24	0.02	0.00	1010.38	100.000 (1)
36-2-S	22.62	45.24	0.00	-1.83	-1994.51	100.000 (1)
36-3-S	22.62	45.24	0.00	-3.68	-1994.51	100.000 (1)
36-4-S	22.62	45.24	0.00	-9.22	-1994.51	100.000 (1)
36-5-S	22.62	45.24	0.00	-14.79	-1994.51	100.000 (1)
36-6-S	22.62	45.24	0.00	-1916.53	-1994.51	1.041 (2)
36-7-S	22.62	45.24	0.00	-1725.57	-1994.51	1.156 (2)
36-8-S	22.62	45.24	0.00	-1534.62	-1994.51	1.300 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
36-9-S	22.62	45.24	0.00	-1356.87	-1994.51	1.470 (2)
36-10-S	22.62	45.24	0.00	-1214.34	-1994.51	1.642 (2)
36-11-S	22.62	45.24	0.00	-1071.72	-1994.51	1.861 (2)
36-12-S	22.62	45.24	0.00	-923.16	-1994.51	2.161 (2)
36-13-S	22.62	45.24	0.00	-770.04	-1994.51	2.590 (2)
36-14-S	22.62	45.24	0.00	-616.92	-1994.51	3.233 (2)
36-15-S	22.62	45.24	0.00	-462.58	-1994.51	4.312 (2)
36-16-S	22.62	45.24	0.09	-281.55	-1994.51	7.084 (2)
36-17-S	22.62	45.24	85.29	-3.07	-1994.51	17.936 (1)
36-18-S	22.62	45.24	98.68	-17.55	1010.38	7.314 (2)
36-19-S	22.62	45.24	189.37	-0.24	1010.38	5.335 (2)
36-20-S	22.62	45.24	238.25	-3.10	1010.38	4.241 (2)
36-21-S	22.62	45.24	287.82	-6.63	1010.38	3.510 (2)
36-22-S	22.62	45.24	327.10	-10.04	1010.38	3.089 (2)
36-23-S	22.62	45.24	130.42	-17.75	1010.38	7.747 (2)
36-24-S	22.62	45.24	87.68	-174.59	-1994.51	6.854 (2)
36-25-S	22.62	45.24	56.54	-113.19	1010.38	10.722 (2)
36-26-S	22.62	45.24	29.88	-56.27	1010.38	33.809 (2)
37-1-S	22.62	49.76	0.03	-0.13	1010.63	100.000 (1)
37-2-S	22.62	49.76	0.00	-1.83	-2189.41	100.000 (1)
37-3-S	22.62	49.76	0.00	-3.55	-2189.41	100.000 (1)
37-4-S	22.62	49.76	0.00	-9.12	-2189.41	100.000 (1)
37-5-S	22.62	49.76	0.00	-14.72	-2189.41	100.000 (1)
37-6-S	22.62	49.76	0.00	-2049.90	-2189.41	1.068 (2)
37-7-S	22.62	49.76	0.00	-1818.50	-2189.41	1.204 (2)
37-8-S	22.62	49.76	0.00	-1587.11	-2189.41	1.380 (2)
37-9-S	22.62	49.76	0.00	-1373.54	-2189.41	1.594 (2)
37-10-S	22.62	49.76	0.00	-1207.50	-2189.41	1.813 (2)
37-11-S	22.62	49.76	0.00	-1041.68	-2189.41	2.102 (2)
37-12-S	22.62	49.76	0.00	-873.78	-2189.41	2.506 (2)
37-13-S	22.62	49.76	0.00	-704.26	-2189.41	3.109 (2)
37-14-S	22.62	49.76	0.00	-534.75	-2189.41	4.094 (2)
37-15-S	22.62	49.76	0.11	-365.29	-2189.41	5.994 (2)
37-16-S	22.62	49.76	2.13	-196.36	-2189.41	11.150 (2)
37-17-S	22.62	49.76	109.45	-0.01	1010.63	41.882 (1)
37-18-S	22.62	49.76	150.21	-0.82	1010.63	6.728 (2)
37-19-S	22.62	49.76	250.57	0.00	1010.63	4.033 (2)
37-20-S	22.62	49.76	295.29	-3.01	1010.63	3.422 (2)
37-21-S	22.62	49.76	341.33	-7.33	1010.63	2.961 (2)
37-22-S	22.62	49.76	378.07	-11.78	1010.63	2.673 (2)
37-23-S	22.62	49.76	194.88	-19.91	1010.63	5.186 (2)
37-24-S	22.62	49.76	118.02	-121.25	1010.63	6.851 (2)
37-25-S	22.62	49.76	80.94	-76.64	1010.63	9.989 (2)
37-26-S	22.62	49.76	45.49	-33.67	1010.63	22.215 (2)

Pali in c.a.

Ip	Is	Ar [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	1	212.37	1898.82	-1058.81	2432.91	-1356.63	1.281
2	1	190.07	1898.82	1269.94	2863.68	1915.24	1.508
3	1	190.07	1898.82	3554.66	3185.59	5963.55	1.678

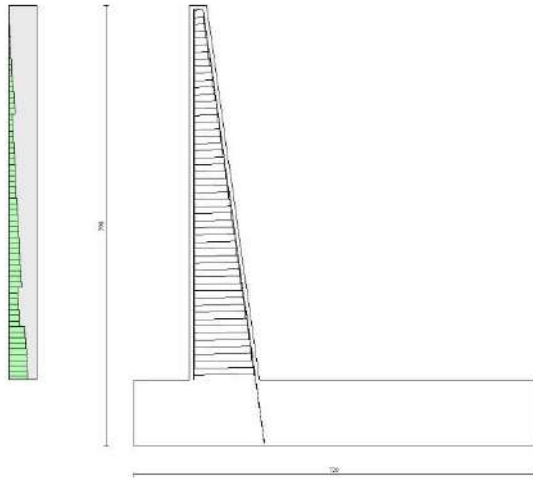


Fig. 11 - Paramento (Inviluppo)

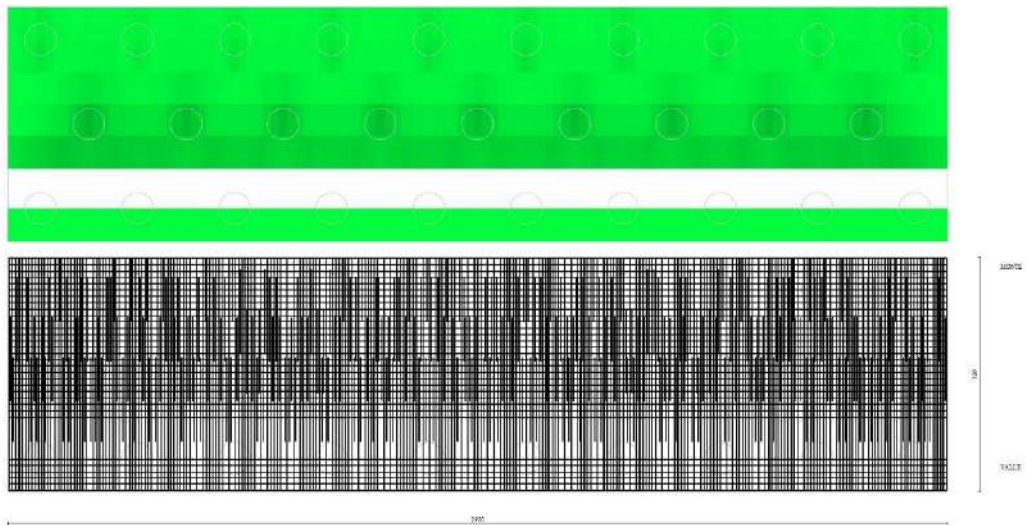


Fig. 12 - Piastra fondazione dir. X (Inviluppo)

RELAZIONE DI CALCOLO

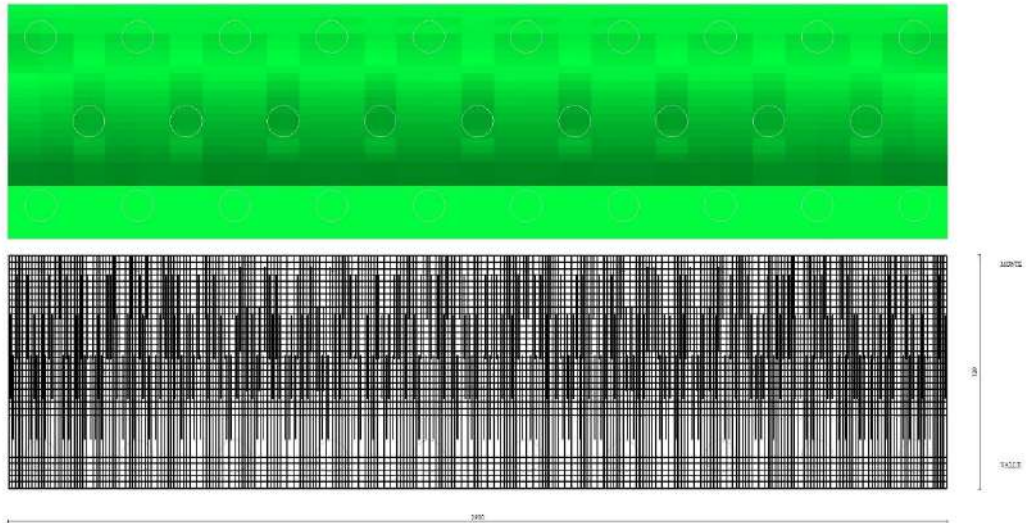


Fig. 13 - Piastra fondazione dir. Y (Inviluppo)

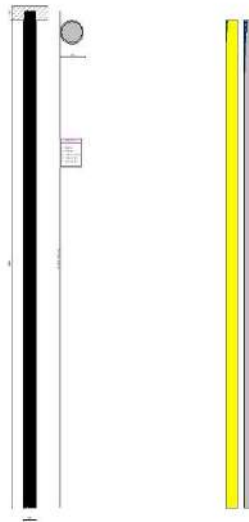


Fig. 14 - Pali (Palo n° 1) (Inviluppo)

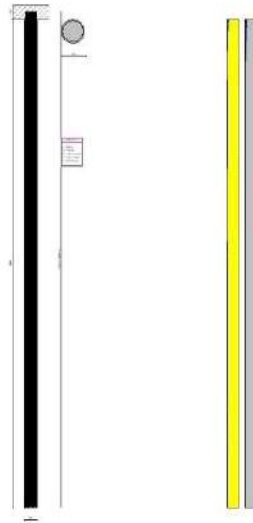


Fig. 15 - Pali (Palo n° 2) (Inviluppo)

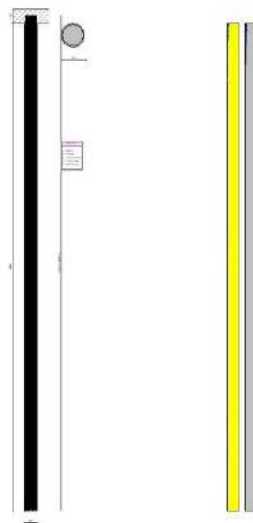


Fig. 16 - Pali (Palo n° 3) (Inviluppo)

Verifiche a taglio

Simbologia adottata

n° (o Is)	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espressa in [cm]
H	altezza sezione espressa in [cm]
A _{sw}	area ferri a taglio espressa in [cm ²]
cotgθ	inclinazione delle bielle compresse, θ inclinazione dei puntoni di calcestruzzo
V _{Rcd}	resistenza di progetto a 'taglio compressione' espressa in [kN]
V _{Rsd}	resistenza di progetto a 'taglio trazione' espressa in [kN]
V _{Rd}	resistenza di progetto a taglio espressa in [kN]. Per elementi con armature trasversali resistenti al taglio (A _{sw} >0.0) V _{Rd} =min(V _{Rcd} , V _{Rsd}).
T	taglio agente espressa in [kN]
FS	fattore di sicurezza (rapporto tra sollecitazione resistente e sollecitazione agente)

RELAZIONE DI CALCOLO

Paramento

n°	B [cm]	H [cm]	A _{sw} [cmq]	cotθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	100	30	0.00	--	0.00	0.00	220.30	0.00	100.000
2	100	31	0.00	--	0.00	0.00	225.92	4.77	47.382
3	100	33	0.00	--	0.00	0.00	231.41	9.60	24.106
4	100	34	0.00	--	0.00	0.00	236.79	14.49	16.337
5	100	36	0.00	--	0.00	0.00	242.06	19.45	12.444
6	100	37	0.00	--	0.00	0.00	247.24	24.47	10.102
7	100	39	0.00	--	0.00	0.00	252.32	29.56	8.536
8	100	40	0.00	--	0.00	0.00	257.33	34.71	7.414
9	100	41	0.00	--	0.00	0.00	262.25	39.92	6.570
10	100	43	0.00	--	0.00	0.00	267.10	45.19	5.910
11	100	44	0.00	--	0.00	0.00	271.88	50.53	5.380
12	100	46	0.00	--	0.00	0.00	276.60	55.93	4.945
13	100	47	0.00	--	0.00	0.00	281.26	61.40	4.581
14	100	49	0.00	--	0.00	0.00	285.86	66.93	4.271
15	100	50	0.00	--	0.00	0.00	290.40	72.52	4.004
16	100	51	0.00	--	0.00	0.00	294.90	78.18	3.772
17	100	53	0.00	--	0.00	0.00	299.34	83.89	3.568
18	100	54	0.00	--	0.00	0.00	303.74	89.68	3.387
19	100	56	0.00	--	0.00	0.00	308.09	95.52	3.225
20	100	57	0.00	--	0.00	0.00	312.40	101.43	3.080
21	100	58	0.00	--	0.00	0.00	362.08	107.40	3.371
22	100	60	0.00	--	0.00	0.00	366.89	113.44	3.234
23	100	61	0.00	--	0.00	0.00	371.66	119.54	3.109
24	100	63	0.00	--	0.00	0.00	376.40	125.70	2.994
25	100	64	0.00	--	0.00	0.00	381.09	131.93	2.889
26	100	66	0.00	--	0.00	0.00	385.74	138.22	2.791
27	100	67	0.00	--	0.00	0.00	390.36	144.57	2.700
28	100	68	0.00	--	0.00	0.00	394.94	150.98	2.616
29	100	70	0.00	--	0.00	0.00	399.48	157.46	2.537
30	100	71	0.00	--	0.00	0.00	404.00	164.01	2.463
31	100	73	0.00	--	0.00	0.00	408.48	170.61	2.394
32	100	74	0.00	--	0.00	0.00	412.94	177.28	2.329
33	100	76	0.00	--	0.00	0.00	417.36	184.02	2.268
34	100	77	0.00	--	0.00	0.00	421.76	190.81	2.210
35	100	78	0.00	--	0.00	0.00	426.13	197.67	2.156
36	100	80	0.00	--	0.00	0.00	430.48	204.59	2.104
37	100	81	0.00	--	0.00	0.00	434.79	211.58	2.055
38	100	83	0.00	--	0.00	0.00	439.09	218.63	2.008
39	100	84	0.00	--	0.00	0.00	443.36	225.74	1.964
40	100	86	0.00	--	0.00	0.00	447.61	232.92	1.922
41	100	87	0.00	--	0.00	0.00	451.83	240.16	1.881
42	100	88	0.00	--	0.00	0.00	456.04	247.46	1.843
43	100	90	0.00	--	0.00	0.00	460.22	254.83	1.806
44	100	91	0.00	--	0.00	0.00	464.38	262.26	1.771
45	100	93	0.00	--	0.00	0.00	468.53	269.76	1.737
46	100	94	0.00	--	0.00	0.00	472.65	277.31	1.704
47	100	95	0.00	--	0.00	0.00	476.76	284.93	1.673
48	100	97	0.00	--	0.00	0.00	480.85	292.62	1.643
49	100	98	0.00	--	0.00	0.00	484.92	300.36	1.614
50	100	100	0.00	--	0.00	0.00	488.97	308.17	1.587
51	100	101	0.00	--	0.00	0.00	493.01	316.05	1.560
52	100	103	0.00	--	0.00	0.00	545.88	323.99	1.685
53	100	104	0.00	--	0.00	0.00	550.25	331.99	1.657
54	100	105	0.00	--	0.00	0.00	554.61	340.05	1.631
55	100	107	0.00	--	0.00	0.00	558.95	348.18	1.605
56	100	108	0.00	--	0.00	0.00	563.27	356.37	1.581
57	100	110	0.00	--	0.00	0.00	567.58	364.62	1.557
58	100	111	0.00	--	0.00	0.00	571.87	372.94	1.533
59	100	113	0.00	--	0.00	0.00	460.26	381.32	1.207
60	100	114	0.00	--	0.00	0.00	463.73	389.77	1.190
61	100	115	0.00	--	0.00	0.00	467.18	398.27	1.173
62	100	117	0.00	--	0.00	0.00	470.63	406.84	1.157
63	100	118	0.00	--	0.00	0.00	474.07	415.48	1.141
64	100	120	0.00	--	0.00	0.00	477.50	424.18	1.126
65	100	121	0.00	--	0.00	0.00	480.92	432.94	1.111
66	100	123	0.00	--	0.00	0.00	484.33	441.76	1.096
67	100	124	0.00	--	0.00	0.00	487.73	450.65	1.082
68	100	125	0.00	--	0.00	0.00	490.83	459.60	1.068

Fondazione

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg(θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-1-P	100	120	0.00	2.000	0.00	0.00	400.66	0.21	100.000 (1)
1-2-P	100	120	0.00	2.000	0.00	0.00	400.66	0.21	100.000 (1)
1-3-P	100	120	0.00	2.000	0.00	0.00	400.66	0.21	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-86-P	100	120	0.00	2.000	0.00	0.00	400.66	0.22	100.000 (1)
1-87-P	100	120	0.00	2.000	0.00	0.00	400.66	0.22	100.000 (1)
1-88-P	100	120	0.00	2.000	0.00	0.00	400.66	0.22	100.000 (1)
1-89-P	100	120	0.00	2.000	0.00	0.00	400.66	0.22	100.000 (1)
1-90-P	100	120	0.00	2.000	0.00	0.00	400.66	0.22	100.000 (1)
1-91-P	100	120	0.00	2.000	0.00	0.00	400.66	0.12	100.000 (1)
1-92-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-93-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-94-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-95-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-96-P	100	120	0.00	2.000	0.00	0.00	400.66	0.00	100.000 (1)
1-97-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-98-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-99-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-100-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-101-P	100	120	0.00	2.000	0.00	0.00	400.66	0.17	100.000 (1)
1-102-P	100	120	0.00	2.000	0.00	0.00	400.66	0.01	100.000 (1)
1-103-P	100	120	0.00	2.000	0.00	0.00	400.66	0.01	100.000 (1)
1-104-P	100	120	0.00	2.000	0.00	0.00	400.66	0.01	100.000 (1)
1-105-P	100	120	0.00	2.000	0.00	0.00	400.66	0.01	100.000 (1)
1-106-P	100	120	0.00	2.000	0.00	0.00	400.66	0.01	100.000 (1)
1-107-P	100	120	0.00	2.000	0.00	0.00	400.66	0.23	100.000 (1)
1-108-P	100	120	0.00	2.000	0.00	0.00	400.66	0.23	100.000 (1)
1-109-P	100	120	0.00	2.000	0.00	0.00	400.66	0.23	100.000 (1)
1-110-P	100	120	0.00	2.000	0.00	0.00	400.66	0.23	100.000 (1)
1-111-P	100	120	0.00	2.000	0.00	0.00	400.66	0.23	100.000 (1)
1-112-P	100	120	0.00	2.000	0.00	0.00	400.66	0.31	100.000 (1)
1-113-P	100	120	0.00	2.000	0.00	0.00	400.66	0.31	100.000 (1)
1-114-P	100	120	0.00	2.000	0.00	0.00	400.66	0.31	100.000 (1)
1-115-P	100	120	0.00	2.000	0.00	0.00	400.66	0.31	100.000 (1)
1-116-P	100	120	0.00	2.000	0.00	0.00	400.66	0.31	100.000 (1)
1-117-P	100	120	0.00	2.000	0.00	0.00	400.66	0.31	100.000 (1)
4-1-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-2-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-3-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-4-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-5-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-6-P	99	120	0.00	2.000	0.00	0.00	396.66	24.78	16.004 (1)
4-7-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-8-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-9-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-10-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-11-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-12-P	99	120	0.00	2.000	0.00	0.00	396.66	23.72	16.723 (1)
4-13-P	99	120	0.00	2.000	0.00	0.00	396.66	23.72	16.723 (1)
4-14-P	99	120	0.00	2.000	0.00	0.00	396.66	23.72	16.723 (1)
4-15-P	99	120	0.00	2.000	0.00	0.00	396.66	23.72	16.723 (1)
4-16-P	99	120	0.00	2.000	0.00	0.00	396.66	31.61	12.548 (1)
4-17-P	99	120	0.00	2.000	0.00	0.00	396.66	20.36	19.484 (1)
4-18-P	99	120	0.00	2.000	0.00	0.00	396.66	20.36	19.484 (1)
4-19-P	99	120	0.00	2.000	0.00	0.00	396.66	20.36	19.484 (1)
4-20-P	99	120	0.00	2.000	0.00	0.00	396.66	20.36	19.484 (1)
4-21-P	99	120	0.00	2.000	0.00	0.00	396.66	38.97	10.178 (1)
4-22-P	99	120	0.00	2.000	0.00	0.00	396.66	26.81	14.794 (1)
4-23-P	99	120	0.00	2.000	0.00	0.00	396.66	26.81	14.794 (1)
4-24-P	99	120	0.00	2.000	0.00	0.00	396.66	26.81	14.794 (1)
4-25-P	99	120	0.00	2.000	0.00	0.00	396.66	26.81	14.794 (1)
4-26-P	99	120	0.00	2.000	0.00	0.00	396.66	28.74	13.804 (1)
4-27-P	99	120	0.00	2.000	0.00	0.00	396.66	43.63	9.091 (1)
4-28-P	99	120	0.00	2.000	0.00	0.00	396.66	43.63	9.091 (1)
4-29-P	99	120	0.00	2.000	0.00	0.00	396.66	43.63	9.091 (1)
4-30-P	99	120	0.00	2.000	0.00	0.00	396.66	43.63	9.091 (1)
4-31-P	99	120	0.00	2.000	0.00	0.00	396.66	12.58	31.531 (1)
4-32-P	99	120	0.00	2.000	0.00	0.00	396.66	51.13	7.758 (1)
4-33-P	99	120	0.00	2.000	0.00	0.00	396.66	51.13	7.758 (1)
4-34-P	99	120	0.00	2.000	0.00	0.00	396.66	51.13	7.758 (1)
4-35-P	99	120	0.00	2.000	0.00	0.00	396.66	51.13	7.758 (1)
4-36-P	99	120	0.00	2.000	0.00	0.00	396.66	0.85	100.000 (1)
4-37-P	99	120	0.00	2.000	0.00	0.00	396.66	34.75	11.415 (1)
4-38-P	99	120	0.00	2.000	0.00	0.00	396.66	34.75	11.415 (1)
4-39-P	99	120	0.00	2.000	0.00	0.00	396.66	34.75	11.415 (1)
4-40-P	99	120	0.00	2.000	0.00	0.00	396.66	34.75	11.415 (1)
4-41-P	99	120	0.00	2.000	0.00	0.00	396.66	17.29	22.940 (1)
4-42-P	99	120	0.00	2.000	0.00	0.00	396.66	17.15	23.124 (1)
4-43-P	99	120	0.00	2.000	0.00	0.00	396.66	17.15	23.124 (1)
4-44-P	99	120	0.00	2.000	0.00	0.00	396.66	17.15	23.124 (1)
4-45-P	99	120	0.00	2.000	0.00	0.00	396.66	17.15	23.124 (1)
4-46-P	99	120	0.00	2.000	0.00	0.00	396.66	31.63	12.542 (1)
4-47-P	99	120	0.00	2.000	0.00	0.00	396.66	1.18	100.000 (1)
4-48-P	99	120	0.00	2.000	0.00	0.00	396.66	1.18	100.000 (1)
4-49-P	99	120	0.00	2.000	0.00	0.00	396.66	1.18	100.000 (1)
4-50-P	99	120	0.00	2.000	0.00	0.00	396.66	1.18	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
4-51-P	99	120	0.00	2.000	0.00	0.00	396.66	57.95	6.844 (1)
4-52-P	99	120	0.00	2.000	0.00	0.00	396.66	15.69	25.278 (1)
4-53-P	99	120	0.00	2.000	0.00	0.00	396.66	15.69	25.278 (1)
4-54-P	99	120	0.00	2.000	0.00	0.00	396.66	15.69	25.278 (1)
4-55-P	99	120	0.00	2.000	0.00	0.00	396.66	15.69	25.278 (1)
4-56-P	99	120	0.00	2.000	0.00	0.00	396.66	30.58	12.971 (1)
4-57-P	99	120	0.00	2.000	0.00	0.00	396.66	30.58	12.971 (1)
4-58-P	99	120	0.00	2.000	0.00	0.00	396.66	30.58	12.971 (1)
4-59-P	99	120	0.00	2.000	0.00	0.00	396.66	30.58	12.971 (1)
4-60-P	99	120	0.00	2.000	0.00	0.00	396.66	30.58	12.971 (1)
4-61-P	99	120	0.00	2.000	0.00	0.00	396.66	15.69	25.278 (1)
4-62-P	99	120	0.00	2.000	0.00	0.00	396.66	57.95	6.844 (1)
4-63-P	99	120	0.00	2.000	0.00	0.00	396.66	57.95	6.844 (1)
4-64-P	99	120	0.00	2.000	0.00	0.00	396.66	57.95	6.844 (1)
4-65-P	99	120	0.00	2.000	0.00	0.00	396.66	57.95	6.844 (1)
4-66-P	99	120	0.00	2.000	0.00	0.00	396.66	1.18	100.000 (1)
4-67-P	99	120	0.00	2.000	0.00	0.00	396.66	31.63	12.542 (1)
4-68-P	99	120	0.00	2.000	0.00	0.00	396.66	31.63	12.542 (1)
4-69-P	99	120	0.00	2.000	0.00	0.00	396.66	31.63	12.542 (1)
4-70-P	99	120	0.00	2.000	0.00	0.00	396.66	31.63	12.542 (1)
4-71-P	99	120	0.00	2.000	0.00	0.00	396.66	17.15	23.124 (1)
4-72-P	99	120	0.00	2.000	0.00	0.00	396.66	17.29	22.940 (1)
4-73-P	99	120	0.00	2.000	0.00	0.00	396.66	17.29	22.940 (1)
4-74-P	99	120	0.00	2.000	0.00	0.00	396.66	17.29	22.940 (1)
4-75-P	99	120	0.00	2.000	0.00	0.00	396.66	17.29	22.940 (1)
4-76-P	99	120	0.00	2.000	0.00	0.00	396.66	34.75	11.415 (1)
4-77-P	99	120	0.00	2.000	0.00	0.00	396.66	0.85	100.000 (1)
4-78-P	99	120	0.00	2.000	0.00	0.00	396.66	0.85	100.000 (1)
4-79-P	99	120	0.00	2.000	0.00	0.00	396.66	0.85	100.000 (1)
4-80-P	99	120	0.00	2.000	0.00	0.00	396.66	0.85	100.000 (1)
4-81-P	99	120	0.00	2.000	0.00	0.00	396.66	51.13	7.758 (1)
4-82-P	99	120	0.00	2.000	0.00	0.00	396.66	12.58	31.531 (1)
4-83-P	99	120	0.00	2.000	0.00	0.00	396.66	12.58	31.531 (1)
4-84-P	99	120	0.00	2.000	0.00	0.00	396.66	12.58	31.531 (1)
4-85-P	99	120	0.00	2.000	0.00	0.00	396.66	12.58	31.531 (1)
4-86-P	99	120	0.00	2.000	0.00	0.00	396.66	43.63	9.091 (1)
4-87-P	99	120	0.00	2.000	0.00	0.00	396.66	28.74	13.804 (1)
4-88-P	99	120	0.00	2.000	0.00	0.00	396.66	28.74	13.804 (1)
4-89-P	99	120	0.00	2.000	0.00	0.00	396.66	28.74	13.804 (1)
4-90-P	99	120	0.00	2.000	0.00	0.00	396.66	28.74	13.804 (1)
4-91-P	99	120	0.00	2.000	0.00	0.00	396.66	26.81	14.794 (1)
4-92-P	99	120	0.00	2.000	0.00	0.00	396.66	38.97	10.178 (1)
4-93-P	99	120	0.00	2.000	0.00	0.00	396.66	38.97	10.178 (1)
4-94-P	99	120	0.00	2.000	0.00	0.00	396.66	38.97	10.178 (1)
4-95-P	99	120	0.00	2.000	0.00	0.00	396.66	38.97	10.178 (1)
4-96-P	99	120	0.00	2.000	0.00	0.00	396.66	20.36	19.484 (1)
4-97-P	99	120	0.00	2.000	0.00	0.00	396.66	31.61	12.548 (1)
4-98-P	99	120	0.00	2.000	0.00	0.00	396.66	31.61	12.548 (1)
4-99-P	99	120	0.00	2.000	0.00	0.00	396.66	31.61	12.548 (1)
4-100-P	99	120	0.00	2.000	0.00	0.00	396.66	31.61	12.548 (1)
4-101-P	99	120	0.00	2.000	0.00	0.00	396.66	23.72	16.723 (1)
4-102-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-103-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-104-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-105-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
4-106-P	99	120	0.00	2.000	0.00	0.00	396.66	15.70	25.261 (1)
4-107-P	99	120	0.00	2.000	0.00	0.00	396.66	24.78	16.004 (1)
4-108-P	99	120	0.00	2.000	0.00	0.00	396.66	24.78	16.004 (1)
4-109-P	99	120	0.00	2.000	0.00	0.00	396.66	24.78	16.004 (1)
4-110-P	99	120	0.00	2.000	0.00	0.00	396.66	24.78	16.004 (1)
4-111-P	99	120	0.00	2.000	0.00	0.00	396.66	24.78	16.004 (1)
4-112-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-113-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-114-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-115-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-116-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
4-117-P	99	120	0.00	2.000	0.00	0.00	396.66	99.72	3.978 (1)
5-1-P	99	120	0.00	2.000	0.00	0.00	396.66	311.61	1.273 (1)
5-2-P	99	120	0.00	2.000	0.00	0.00	396.66	311.61	1.273 (1)
5-3-P	99	120	0.00	2.000	0.00	0.00	396.66	311.61	1.273 (1)
5-4-P	99	120	0.00	2.000	0.00	0.00	396.66	311.61	1.273 (1)
5-5-P	99	120	0.00	2.000	0.00	0.00	396.66	311.61	1.273 (1)
5-6-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-7-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-8-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-9-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-10-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-11-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-12-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-13-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-14-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-15-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
5-16-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-17-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-18-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-19-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-20-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-21-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-22-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-23-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-24-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-25-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-26-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-27-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-28-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-29-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-30-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-31-P	99	120	0.00	2.000	0.00	0.00	396.66	155.26	2.555 (1)
5-32-P	99	120	0.00	2.000	0.00	0.00	396.66	155.26	2.555 (1)
5-33-P	99	120	0.00	2.000	0.00	0.00	396.66	155.26	2.555 (1)
5-34-P	99	120	0.00	2.000	0.00	0.00	396.66	155.26	2.555 (1)
5-35-P	99	120	0.00	2.000	0.00	0.00	396.66	155.26	2.555 (1)
5-36-P	99	120	0.00	2.000	0.00	0.00	396.66	89.08	4.453 (1)
5-37-P	99	120	0.00	2.000	0.00	0.00	396.66	89.08	4.453 (1)
5-38-P	99	120	0.00	2.000	0.00	0.00	396.66	89.08	4.453 (1)
5-39-P	99	120	0.00	2.000	0.00	0.00	396.66	89.08	4.453 (1)
5-40-P	99	120	0.00	2.000	0.00	0.00	396.66	89.08	4.453 (1)
5-41-P	99	120	0.00	2.000	0.00	0.00	396.66	4.05	98.028 (1)
5-42-P	99	120	0.00	2.000	0.00	0.00	396.66	4.05	98.028 (1)
5-43-P	99	120	0.00	2.000	0.00	0.00	396.66	4.05	98.028 (1)
5-44-P	99	120	0.00	2.000	0.00	0.00	396.66	4.05	98.028 (1)
5-45-P	99	120	0.00	2.000	0.00	0.00	396.66	4.05	98.028 (1)
5-46-P	99	120	0.00	2.000	0.00	0.00	396.66	80.16	4.948 (1)
5-47-P	99	120	0.00	2.000	0.00	0.00	396.66	80.16	4.948 (1)
5-48-P	99	120	0.00	2.000	0.00	0.00	396.66	80.16	4.948 (1)
5-49-P	99	120	0.00	2.000	0.00	0.00	396.66	80.16	4.948 (1)
5-50-P	99	120	0.00	2.000	0.00	0.00	396.66	80.16	4.948 (1)
5-51-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-52-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-53-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-54-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-55-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-56-P	99	120	0.00	2.000	0.00	0.00	396.66	247.30	1.604 (1)
5-57-P	99	120	0.00	2.000	0.00	0.00	396.66	247.30	1.604 (1)
5-58-P	99	120	0.00	2.000	0.00	0.00	396.66	247.30	1.604 (1)
5-59-P	99	120	0.00	2.000	0.00	0.00	396.66	247.30	1.604 (1)
5-60-P	99	120	0.00	2.000	0.00	0.00	396.66	247.30	1.604 (1)
5-61-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-62-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-63-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-64-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-65-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-66-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-67-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-68-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-69-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-70-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-71-P	99	120	0.00	2.000	0.00	0.00	396.66	2.14	100.000 (1)
5-72-P	99	120	0.00	2.000	0.00	0.00	396.66	2.14	100.000 (1)
5-73-P	99	120	0.00	2.000	0.00	0.00	396.66	2.14	100.000 (1)
5-74-P	99	120	0.00	2.000	0.00	0.00	396.66	2.14	100.000 (1)
5-75-P	99	120	0.00	2.000	0.00	0.00	396.66	2.14	100.000 (1)
5-76-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-77-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-78-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-79-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-80-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-81-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-82-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-83-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-84-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-85-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-86-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-87-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-88-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-89-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-90-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-91-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-92-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-93-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-94-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-95-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-96-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-97-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
5-98-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-99-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-100-P	99	120	0.00	2.000	0.00	0.00	396.66	97.28	4.078 (1)
5-101-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
5-102-P	99	120	0.00	2.000	0.00	0.00	396.66	3.34	100.000 (1)
5-103-P	99	120	0.00	2.000	0.00	0.00	396.66	3.34	100.000 (1)
5-104-P	99	120	0.00	2.000	0.00	0.00	396.66	3.34	100.000 (1)
5-105-P	99	120	0.00	2.000	0.00	0.00	396.66	3.34	100.000 (1)
5-106-P	99	120	0.00	2.000	0.00	0.00	396.66	3.34	100.000 (1)
5-107-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-108-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-109-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-110-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-111-P	99	120	0.00	2.000	0.00	0.00	396.66	210.74	1.882 (1)
5-112-P	99	120	0.00	2.000	0.00	0.00	396.66	66.01	6.009 (1)
5-113-P	99	120	0.00	2.000	0.00	0.00	396.66	66.01	6.009 (1)
5-114-P	99	120	0.00	2.000	0.00	0.00	396.66	66.01	6.009 (1)
5-115-P	99	120	0.00	2.000	0.00	0.00	396.66	66.01	6.009 (1)
5-116-P	99	120	0.00	2.000	0.00	0.00	396.66	66.01	6.009 (1)
5-117-P	99	120	0.00	2.000	0.00	0.00	396.66	66.01	6.009 (1)
6-1-P	99	120	0.00	2.000	0.00	0.00	396.66	233.09	1.702 (1)
6-2-P	99	120	0.00	2.000	0.00	0.00	396.66	233.09	1.702 (1)
6-3-P	99	120	0.00	2.000	0.00	0.00	396.66	233.09	1.702 (1)
6-4-P	99	120	0.00	2.000	0.00	0.00	396.66	233.09	1.702 (1)
6-5-P	99	120	0.00	2.000	0.00	0.00	396.66	233.09	1.702 (1)
6-6-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-7-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-8-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-9-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-10-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-11-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-12-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-13-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-14-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-15-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-16-P	99	120	0.00	2.000	0.00	0.00	396.66	52.27	7.588 (1)
6-17-P	99	120	0.00	2.000	0.00	0.00	396.66	52.27	7.588 (1)
6-18-P	99	120	0.00	2.000	0.00	0.00	396.66	52.27	7.588 (1)
6-19-P	99	120	0.00	2.000	0.00	0.00	396.66	52.27	7.588 (1)
6-20-P	99	120	0.00	2.000	0.00	0.00	396.66	52.27	7.588 (1)
6-21-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-22-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-23-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-24-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-25-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-26-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-27-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-28-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-29-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-30-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-31-P	99	120	0.00	2.000	0.00	0.00	396.66	100.40	3.951 (1)
6-32-P	99	120	0.00	2.000	0.00	0.00	396.66	100.40	3.951 (1)
6-33-P	99	120	0.00	2.000	0.00	0.00	396.66	100.40	3.951 (1)
6-34-P	99	120	0.00	2.000	0.00	0.00	396.66	100.40	3.951 (1)
6-35-P	99	120	0.00	2.000	0.00	0.00	396.66	100.40	3.951 (1)
6-36-P	99	120	0.00	2.000	0.00	0.00	396.66	60.46	6.561 (1)
6-37-P	99	120	0.00	2.000	0.00	0.00	396.66	60.46	6.561 (1)
6-38-P	99	120	0.00	2.000	0.00	0.00	396.66	60.46	6.561 (1)
6-39-P	99	120	0.00	2.000	0.00	0.00	396.66	60.46	6.561 (1)
6-40-P	99	120	0.00	2.000	0.00	0.00	396.66	60.46	6.561 (1)
6-41-P	99	120	0.00	2.000	0.00	0.00	396.66	4.09	96.992 (1)
6-42-P	99	120	0.00	2.000	0.00	0.00	396.66	4.09	96.992 (1)
6-43-P	99	120	0.00	2.000	0.00	0.00	396.66	4.09	96.992 (1)
6-44-P	99	120	0.00	2.000	0.00	0.00	396.66	4.09	96.992 (1)
6-45-P	99	120	0.00	2.000	0.00	0.00	396.66	4.09	96.992 (1)
6-46-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-47-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-48-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-49-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-50-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-51-P	99	120	0.00	2.000	0.00	0.00	396.66	110.15	3.601 (1)
6-52-P	99	120	0.00	2.000	0.00	0.00	396.66	110.15	3.601 (1)
6-53-P	99	120	0.00	2.000	0.00	0.00	396.66	110.15	3.601 (1)
6-54-P	99	120	0.00	2.000	0.00	0.00	396.66	110.15	3.601 (1)
6-55-P	99	120	0.00	2.000	0.00	0.00	396.66	110.15	3.601 (1)
6-56-P	99	120	0.00	2.000	0.00	0.00	396.66	162.61	2.439 (1)
6-57-P	99	120	0.00	2.000	0.00	0.00	396.66	162.61	2.439 (1)
6-58-P	99	120	0.00	2.000	0.00	0.00	396.66	162.61	2.439 (1)
6-59-P	99	120	0.00	2.000	0.00	0.00	396.66	162.61	2.439 (1)
6-60-P	99	120	0.00	2.000	0.00	0.00	396.66	162.61	2.439 (1)
6-61-P	99	120	0.00	2.000	0.00	0.00	396.66	108.41	3.659 (1)
6-62-P	99	120	0.00	2.000	0.00	0.00	396.66	108.41	3.659 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
6-63-P	99	120	0.00	2.000	0.00	0.00	396.66	108.41	3.659 (1)
6-64-P	99	120	0.00	2.000	0.00	0.00	396.66	108.41	3.659 (1)
6-65-P	99	120	0.00	2.000	0.00	0.00	396.66	108.41	3.659 (1)
6-66-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-67-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-68-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-69-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-70-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-71-P	99	120	0.00	2.000	0.00	0.00	396.66	0.59	100.000 (1)
6-72-P	99	120	0.00	2.000	0.00	0.00	396.66	0.59	100.000 (1)
6-73-P	99	120	0.00	2.000	0.00	0.00	396.66	0.59	100.000 (1)
6-74-P	99	120	0.00	2.000	0.00	0.00	396.66	0.59	100.000 (1)
6-75-P	99	120	0.00	2.000	0.00	0.00	396.66	0.59	100.000 (1)
6-76-P	99	120	0.00	2.000	0.00	0.00	396.66	50.60	7.839 (1)
6-77-P	99	120	0.00	2.000	0.00	0.00	396.66	50.60	7.839 (1)
6-78-P	99	120	0.00	2.000	0.00	0.00	396.66	50.60	7.839 (1)
6-79-P	99	120	0.00	2.000	0.00	0.00	396.66	50.60	7.839 (1)
6-80-P	99	120	0.00	2.000	0.00	0.00	396.66	50.60	7.839 (1)
6-81-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-82-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-83-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-84-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-85-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-86-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-87-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-88-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-89-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-90-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-91-P	99	120	0.00	2.000	0.00	0.00	396.66	118.57	3.345 (1)
6-92-P	99	120	0.00	2.000	0.00	0.00	396.66	118.57	3.345 (1)
6-93-P	99	120	0.00	2.000	0.00	0.00	396.66	118.57	3.345 (1)
6-94-P	99	120	0.00	2.000	0.00	0.00	396.66	118.57	3.345 (1)
6-95-P	99	120	0.00	2.000	0.00	0.00	396.66	118.57	3.345 (1)
6-96-P	99	120	0.00	2.000	0.00	0.00	396.66	44.92	8.830 (1)
6-97-P	99	120	0.00	2.000	0.00	0.00	396.66	44.92	8.830 (1)
6-98-P	99	120	0.00	2.000	0.00	0.00	396.66	44.92	8.830 (1)
6-99-P	99	120	0.00	2.000	0.00	0.00	396.66	44.92	8.830 (1)
6-100-P	99	120	0.00	2.000	0.00	0.00	396.66	44.92	8.830 (1)
6-101-P	99	120	0.00	2.000	0.00	0.00	396.66	1.68	100.000 (1)
6-102-P	99	120	0.00	2.000	0.00	0.00	396.66	33.98	11.673 (1)
6-103-P	99	120	0.00	2.000	0.00	0.00	396.66	33.98	11.673 (1)
6-104-P	99	120	0.00	2.000	0.00	0.00	396.66	33.98	11.673 (1)
6-105-P	99	120	0.00	2.000	0.00	0.00	396.66	33.98	11.673 (1)
6-106-P	99	120	0.00	2.000	0.00	0.00	396.66	28.17	14.079 (1)
6-107-P	99	120	0.00	2.000	0.00	0.00	396.66	186.69	2.125 (1)
6-108-P	99	120	0.00	2.000	0.00	0.00	396.66	186.69	2.125 (1)
6-109-P	99	120	0.00	2.000	0.00	0.00	396.66	186.69	2.125 (1)
6-110-P	99	120	0.00	2.000	0.00	0.00	396.66	186.69	2.125 (1)
6-111-P	99	120	0.00	2.000	0.00	0.00	396.66	0.00	100.000 (1)
6-112-P	99	120	0.00	2.000	0.00	0.00	396.66	68.90	5.757 (1)
6-113-P	99	120	0.00	2.000	0.00	0.00	396.66	68.90	5.757 (1)
6-114-P	99	120	0.00	2.000	0.00	0.00	396.66	68.90	5.757 (1)
6-115-P	99	120	0.00	2.000	0.00	0.00	396.66	68.90	5.757 (1)
6-116-P	99	120	0.00	2.000	0.00	0.00	396.66	68.90	5.757 (1)
6-117-P	99	120	0.00	2.000	0.00	0.00	396.66	68.90	5.757 (1)
7-1-P	99	120	0.00	2.000	0.00	0.00	396.66	271.21	1.463 (1)
7-2-P	99	120	0.00	2.000	0.00	0.00	396.66	271.21	1.463 (1)
7-3-P	99	120	0.00	2.000	0.00	0.00	396.66	271.21	1.463 (1)
7-4-P	99	120	0.00	2.000	0.00	0.00	396.66	271.21	1.463 (1)
7-5-P	99	120	0.00	2.000	0.00	0.00	396.66	271.21	1.463 (1)
7-6-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-7-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-8-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-9-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-10-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-11-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-12-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-13-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-14-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-15-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-16-P	99	120	0.00	2.000	0.00	0.00	396.66	65.02	6.100 (1)
7-17-P	99	120	0.00	2.000	0.00	0.00	396.66	65.02	6.100 (1)
7-18-P	99	120	0.00	2.000	0.00	0.00	396.66	65.02	6.100 (1)
7-19-P	99	120	0.00	2.000	0.00	0.00	396.66	65.02	6.100 (1)
7-20-P	99	120	0.00	2.000	0.00	0.00	396.66	65.02	6.100 (1)
7-21-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-22-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-23-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-24-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-25-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-26-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-27-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
7-28-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-29-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-30-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-31-P	99	120	0.00	2.000	0.00	0.00	396.66	141.88	2.796 (1)
7-32-P	99	120	0.00	2.000	0.00	0.00	396.66	141.88	2.796 (1)
7-33-P	99	120	0.00	2.000	0.00	0.00	396.66	141.88	2.796 (1)
7-34-P	99	120	0.00	2.000	0.00	0.00	396.66	141.88	2.796 (1)
7-35-P	99	120	0.00	2.000	0.00	0.00	396.66	141.88	2.796 (1)
7-36-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-37-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-38-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-39-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-40-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-41-P	99	120	0.00	2.000	0.00	0.00	396.66	3.53	100.000 (1)
7-42-P	99	120	0.00	2.000	0.00	0.00	396.66	3.53	100.000 (1)
7-43-P	99	120	0.00	2.000	0.00	0.00	396.66	3.53	100.000 (1)
7-44-P	99	120	0.00	2.000	0.00	0.00	396.66	3.53	100.000 (1)
7-45-P	99	120	0.00	2.000	0.00	0.00	396.66	3.53	100.000 (1)
7-46-P	99	120	0.00	2.000	0.00	0.00	396.66	28.41	13.962 (1)
7-47-P	99	120	0.00	2.000	0.00	0.00	396.66	28.97	13.691 (1)
7-48-P	99	120	0.00	2.000	0.00	0.00	396.66	28.97	13.691 (1)
7-49-P	99	120	0.00	2.000	0.00	0.00	396.66	28.97	13.691 (1)
7-50-P	99	120	0.00	2.000	0.00	0.00	396.66	28.97	13.691 (1)
7-51-P	99	120	0.00	2.000	0.00	0.00	396.66	149.25	2.658 (1)
7-52-P	99	120	0.00	2.000	0.00	0.00	396.66	147.24	2.694 (1)
7-53-P	99	120	0.00	2.000	0.00	0.00	396.66	147.24	2.694 (1)
7-54-P	99	120	0.00	2.000	0.00	0.00	396.66	147.24	2.694 (1)
7-55-P	99	120	0.00	2.000	0.00	0.00	396.66	147.24	2.694 (1)
7-56-P	99	120	0.00	2.000	0.00	0.00	396.66	86.17	4.603 (1)
7-57-P	99	120	0.00	2.000	0.00	0.00	396.66	86.17	4.603 (1)
7-58-P	99	120	0.00	2.000	0.00	0.00	396.66	86.17	4.603 (1)
7-59-P	99	120	0.00	2.000	0.00	0.00	396.66	86.17	4.603 (1)
7-60-P	99	120	0.00	2.000	0.00	0.00	396.66	86.17	4.603 (1)
7-61-P	99	120	0.00	2.000	0.00	0.00	396.66	147.24	2.694 (1)
7-62-P	99	120	0.00	2.000	0.00	0.00	396.66	149.25	2.658 (1)
7-63-P	99	120	0.00	2.000	0.00	0.00	396.66	149.25	2.658 (1)
7-64-P	99	120	0.00	2.000	0.00	0.00	396.66	149.25	2.658 (1)
7-65-P	99	120	0.00	2.000	0.00	0.00	396.66	149.25	2.658 (1)
7-66-P	99	120	0.00	2.000	0.00	0.00	396.66	28.97	13.691 (1)
7-67-P	99	120	0.00	2.000	0.00	0.00	396.66	28.41	13.962 (1)
7-68-P	99	120	0.00	2.000	0.00	0.00	396.66	28.41	13.962 (1)
7-69-P	99	120	0.00	2.000	0.00	0.00	396.66	28.41	13.962 (1)
7-70-P	99	120	0.00	2.000	0.00	0.00	396.66	28.41	13.962 (1)
7-71-P	99	120	0.00	2.000	0.00	0.00	396.66	71.47	5.550 (1)
7-72-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-73-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-74-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-75-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-76-P	99	120	0.00	2.000	0.00	0.00	396.66	0.42	100.000 (1)
7-77-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-78-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-79-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-80-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-81-P	99	120	0.00	2.000	0.00	0.00	396.66	78.70	5.040 (1)
7-82-P	99	120	0.00	2.000	0.00	0.00	396.66	57.62	6.884 (1)
7-83-P	99	120	0.00	2.000	0.00	0.00	396.66	57.62	6.884 (1)
7-84-P	99	120	0.00	2.000	0.00	0.00	396.66	57.62	6.884 (1)
7-85-P	99	120	0.00	2.000	0.00	0.00	396.66	57.62	6.884 (1)
7-86-P	99	120	0.00	2.000	0.00	0.00	396.66	57.62	6.884 (1)
7-87-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-88-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-89-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-90-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-91-P	99	120	0.00	2.000	0.00	0.00	396.66	85.66	4.630 (1)
7-92-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-93-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-94-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-95-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-96-P	99	120	0.00	2.000	0.00	0.00	396.66	58.42	6.790 (1)
7-97-P	99	120	0.00	2.000	0.00	0.00	396.66	28.57	13.883 (1)
7-98-P	99	120	0.00	2.000	0.00	0.00	396.66	28.57	13.883 (1)
7-99-P	99	120	0.00	2.000	0.00	0.00	396.66	28.57	13.883 (1)
7-100-P	99	120	0.00	2.000	0.00	0.00	396.66	28.57	13.883 (1)
7-101-P	99	120	0.00	2.000	0.00	0.00	396.66	28.57	13.883 (1)
7-102-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-103-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-104-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-105-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-106-P	99	120	0.00	2.000	0.00	0.00	396.66	0.48	100.000 (1)
7-107-P	99	120	0.00	2.000	0.00	0.00	396.66	114.92	3.452 (1)
7-108-P	99	120	0.00	2.000	0.00	0.00	396.66	114.92	3.452 (1)
7-109-P	99	120	0.00	2.000	0.00	0.00	396.66	114.92	3.452 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
7-110-P	99	120	0.00	2.000	0.00	0.00	396.66	114.92	3.452 (1)
7-111-P	99	120	0.00	2.000	0.00	0.00	396.66	114.92	3.452 (1)
7-112-P	99	120	0.00	2.000	0.00	0.00	396.66	156.52	2.534 (1)
7-113-P	99	120	0.00	2.000	0.00	0.00	396.66	156.52	2.534 (1)
7-114-P	99	120	0.00	2.000	0.00	0.00	396.66	156.52	2.534 (1)
7-115-P	99	120	0.00	2.000	0.00	0.00	396.66	156.52	2.534 (1)
7-116-P	99	120	0.00	2.000	0.00	0.00	396.66	156.52	2.534 (1)
7-117-P	99	120	0.00	2.000	0.00	0.00	396.66	156.52	2.534 (1)
8-1-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-2-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-3-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-4-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-5-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-6-P	99	120	0.00	2.000	0.00	0.00	396.64	75.74	5.237 (1)
8-7-P	99	120	0.00	2.000	0.00	0.00	396.64	75.74	5.237 (1)
8-8-P	99	120	0.00	2.000	0.00	0.00	396.64	75.74	5.237 (1)
8-9-P	99	120	0.00	2.000	0.00	0.00	396.64	75.74	5.237 (1)
8-10-P	99	120	0.00	2.000	0.00	0.00	396.64	75.74	5.237 (1)
8-11-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-12-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-13-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-14-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-15-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-16-P	99	120	0.00	2.000	0.00	0.00	396.64	35.69	11.114 (1)
8-17-P	99	120	0.00	2.000	0.00	0.00	396.64	35.69	11.114 (1)
8-18-P	99	120	0.00	2.000	0.00	0.00	396.64	35.69	11.114 (1)
8-19-P	99	120	0.00	2.000	0.00	0.00	396.64	35.69	11.114 (1)
8-20-P	99	120	0.00	2.000	0.00	0.00	396.64	35.69	11.114 (1)
8-21-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-22-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-23-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-24-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-25-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-26-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-27-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-28-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-29-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-30-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-31-P	99	120	0.00	2.000	0.00	0.00	396.64	96.94	4.091 (1)
8-32-P	99	120	0.00	2.000	0.00	0.00	396.64	96.94	4.091 (1)
8-33-P	99	120	0.00	2.000	0.00	0.00	396.64	96.94	4.091 (1)
8-34-P	99	120	0.00	2.000	0.00	0.00	396.64	96.94	4.091 (1)
8-35-P	99	120	0.00	2.000	0.00	0.00	396.64	96.94	4.091 (1)
8-36-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-37-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-38-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-39-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-40-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-41-P	99	120	0.00	2.000	0.00	0.00	396.64	1.35	100.000 (1)
8-42-P	99	120	0.00	2.000	0.00	0.00	396.64	1.35	100.000 (1)
8-43-P	99	120	0.00	2.000	0.00	0.00	396.64	1.35	100.000 (1)
8-44-P	99	120	0.00	2.000	0.00	0.00	396.64	1.35	100.000 (1)
8-45-P	99	120	0.00	2.000	0.00	0.00	396.64	1.35	100.000 (1)
8-46-P	99	120	0.00	2.000	0.00	0.00	396.64	44.29	8.956 (1)
8-47-P	99	120	0.00	2.000	0.00	0.00	396.64	50.15	7.909 (1)
8-48-P	99	120	0.00	2.000	0.00	0.00	396.64	50.15	7.909 (1)
8-49-P	99	120	0.00	2.000	0.00	0.00	396.64	50.15	7.909 (1)
8-50-P	99	120	0.00	2.000	0.00	0.00	396.64	50.15	7.909 (1)
8-51-P	99	120	0.00	2.000	0.00	0.00	396.64	85.51	4.638 (1)
8-52-P	99	120	0.00	2.000	0.00	0.00	396.64	86.31	4.596 (1)
8-53-P	99	120	0.00	2.000	0.00	0.00	396.64	86.31	4.596 (1)
8-54-P	99	120	0.00	2.000	0.00	0.00	396.64	86.31	4.596 (1)
8-55-P	99	120	0.00	2.000	0.00	0.00	396.64	86.31	4.596 (1)
8-56-P	99	120	0.00	2.000	0.00	0.00	396.64	148.10	2.678 (1)
8-57-P	99	120	0.00	2.000	0.00	0.00	396.64	148.10	2.678 (1)
8-58-P	99	120	0.00	2.000	0.00	0.00	396.64	148.10	2.678 (1)
8-59-P	99	120	0.00	2.000	0.00	0.00	396.64	148.10	2.678 (1)
8-60-P	99	120	0.00	2.000	0.00	0.00	396.64	148.10	2.678 (1)
8-61-P	99	120	0.00	2.000	0.00	0.00	396.64	86.31	4.596 (1)
8-62-P	99	120	0.00	2.000	0.00	0.00	396.64	85.51	4.638 (1)
8-63-P	99	120	0.00	2.000	0.00	0.00	396.64	85.51	4.638 (1)
8-64-P	99	120	0.00	2.000	0.00	0.00	396.64	85.51	4.638 (1)
8-65-P	99	120	0.00	2.000	0.00	0.00	396.64	85.51	4.638 (1)
8-66-P	99	120	0.00	2.000	0.00	0.00	396.64	50.15	7.909 (1)
8-67-P	99	120	0.00	2.000	0.00	0.00	396.64	48.13	8.240 (1)
8-68-P	99	120	0.00	2.000	0.00	0.00	396.64	48.13	8.240 (1)
8-69-P	99	120	0.00	2.000	0.00	0.00	396.64	48.13	8.240 (1)
8-70-P	99	120	0.00	2.000	0.00	0.00	396.64	48.13	8.240 (1)
8-71-P	99	120	0.00	2.000	0.00	0.00	396.64	44.29	8.956 (1)
8-72-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-73-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-74-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
8-75-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-76-P	99	120	0.00	2.000	0.00	0.00	396.64	6.60	60.078 (1)
8-77-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-78-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-79-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-80-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-81-P	99	120	0.00	2.000	0.00	0.00	396.64	51.68	7.674 (1)
8-82-P	99	120	0.00	2.000	0.00	0.00	396.64	90.91	4.363 (1)
8-83-P	99	120	0.00	2.000	0.00	0.00	396.64	90.91	4.363 (1)
8-84-P	99	120	0.00	2.000	0.00	0.00	396.64	90.91	4.363 (1)
8-85-P	99	120	0.00	2.000	0.00	0.00	396.64	90.91	4.363 (1)
8-86-P	99	120	0.00	2.000	0.00	0.00	396.64	90.91	4.363 (1)
8-87-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-88-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-89-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-90-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-91-P	99	120	0.00	2.000	0.00	0.00	396.64	144.30	2.749 (1)
8-92-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-93-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-94-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-95-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-96-P	99	120	0.00	2.000	0.00	0.00	396.64	96.37	4.116 (1)
8-97-P	99	120	0.00	2.000	0.00	0.00	396.64	77.35	5.128 (1)
8-98-P	99	120	0.00	2.000	0.00	0.00	396.64	77.35	5.128 (1)
8-99-P	99	120	0.00	2.000	0.00	0.00	396.64	77.35	5.128 (1)
8-100-P	99	120	0.00	2.000	0.00	0.00	396.64	77.35	5.128 (1)
8-101-P	99	120	0.00	2.000	0.00	0.00	396.64	77.35	5.128 (1)
8-102-P	99	120	0.00	2.000	0.00	0.00	396.64	22.90	17.317 (1)
8-103-P	99	120	0.00	2.000	0.00	0.00	396.64	22.90	17.317 (1)
8-104-P	99	120	0.00	2.000	0.00	0.00	396.64	22.90	17.317 (1)
8-105-P	99	120	0.00	2.000	0.00	0.00	396.64	22.90	17.317 (1)
8-106-P	99	120	0.00	2.000	0.00	0.00	396.64	22.90	17.317 (1)
8-107-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-108-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-109-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-110-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-111-P	99	120	0.00	2.000	0.00	0.00	396.64	48.43	8.190 (1)
8-112-P	99	120	0.00	2.000	0.00	0.00	396.64	48.83	8.123 (1)
8-113-P	99	120	0.00	2.000	0.00	0.00	396.64	48.83	8.123 (1)
8-114-P	99	120	0.00	2.000	0.00	0.00	396.64	48.83	8.123 (1)
8-115-P	99	120	0.00	2.000	0.00	0.00	396.64	48.83	8.123 (1)
8-116-P	99	120	0.00	2.000	0.00	0.00	396.64	48.83	8.123 (1)
8-117-P	99	120	0.00	2.000	0.00	0.00	396.64	48.83	8.123 (1)
9-1-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
9-2-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
9-3-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
9-4-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
9-5-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
9-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
9-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
9-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
9-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
9-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
9-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
9-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
9-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
9-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
9-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
9-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
9-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
9-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
9-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
9-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
9-21-S	100	120	0.00	2.000	0.00	0.00	483.12	128.27	3.766 (1)
9-22-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
9-23-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
9-24-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
9-25-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
9-26-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
10-1-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
10-2-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
10-3-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
10-4-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
10-5-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
10-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
10-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
10-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
10-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
10-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
10-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
10-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
10-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
10-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
10-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
10-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
10-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
10-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
10-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
10-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
10-21-S	100	120	0.00	2.000	0.00	0.00	468.02	37.86	12.362 (1)
10-22-S	100	120	0.00	2.000	0.00	0.00	468.02	37.86	12.362 (1)
10-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
10-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
10-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
10-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
11-1-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
11-2-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
11-3-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
11-4-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
11-5-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
11-6-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
11-7-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
11-8-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
11-9-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
11-10-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
11-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
11-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
11-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
11-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
11-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
11-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	965.75	1.257 (1)
11-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	965.75	1.257 (1)
11-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	965.75	1.257 (1)
11-19-S	100	120	0.00	2.000	0.00	0.00	451.86	417.53	1.082 (1)
11-20-S	100	120	0.00	2.000	0.00	0.00	451.86	417.53	1.082 (1)
11-21-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
11-22-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
11-23-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
11-24-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
11-25-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
11-26-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
12-1-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
12-2-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
12-3-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
12-4-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
12-5-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
12-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
12-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
12-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
12-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
12-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
12-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
12-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
12-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
12-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
12-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
12-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
12-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
12-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
12-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
12-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
12-21-S	100	120	0.00	2.000	0.00	0.00	451.86	35.29	12.805 (1)
12-22-S	100	120	0.00	2.000	0.00	0.00	451.86	35.29	12.805 (1)
12-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
12-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
12-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
12-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
13-1-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
13-2-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
13-3-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
13-4-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
13-5-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
13-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
13-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
13-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
13-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
13-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
13-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
13-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
13-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
13-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
13-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
13-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
13-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
13-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
13-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
13-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
13-21-S	100	120	0.00	2.000	0.00	0.00	451.86	31.50	14.344 (1)
13-22-S	100	120	0.00	2.000	0.00	0.00	451.86	31.50	14.344 (1)
13-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
13-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
13-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
13-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
14-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
14-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
14-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
14-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
14-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
14-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
14-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
14-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
14-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
14-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
14-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
14-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
14-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
14-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
14-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
14-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	930.86	1.304 (1)
14-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	930.86	1.304 (1)
14-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	930.86	1.304 (1)
14-19-S	100	120	0.00	2.000	0.00	0.00	434.47	410.02	1.060 (1)
14-20-S	100	120	0.00	2.000	0.00	0.00	434.47	410.02	1.060 (1)
14-21-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
14-22-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
14-23-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
14-24-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
14-25-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
14-26-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
15-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
15-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
15-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
15-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
15-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
15-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
15-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
15-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
15-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
15-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
15-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
15-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
15-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
15-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
15-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
15-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
15-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
15-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
15-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
15-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
15-21-S	100	120	0.00	2.000	0.00	0.00	434.47	31.27	13.893 (1)
15-22-S	100	120	0.00	2.000	0.00	0.00	434.47	31.27	13.893 (1)
15-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
15-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
15-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
15-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
16-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
16-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
16-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
16-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
16-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
16-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
16-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
16-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
16-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
16-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
16-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	495.11	1.635 (1)
16-12-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
16-13-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
16-14-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
16-15-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
16-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	0.00	100.000 (1)
16-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
16-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
16-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
16-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
16-21-S	100	120	0.00	2.000	0.00	0.00	434.47	31.91	13.615 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
16-22-S	100	120	0.00	2.000	0.00	0.00	434.47	31.91	13.615 (1)
16-23-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
16-24-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
16-25-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
16-26-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
17-1-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
17-2-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
17-3-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
17-4-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
17-5-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
17-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
17-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
17-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
17-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
17-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
17-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
17-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
17-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
17-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
17-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
17-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	920.66	1.319 (1)
17-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	920.66	1.319 (1)
17-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	920.66	1.319 (1)
17-19-S	100	120	0.00	2.000	0.00	0.00	415.55	402.56	1.032 (1)
17-20-S	100	120	0.00	2.000	0.00	0.00	415.55	402.56	1.032 (1)
17-21-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
17-22-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
17-23-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
17-24-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
17-25-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
17-26-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
18-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
18-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
18-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
18-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
18-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
18-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
18-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
18-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
18-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
18-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
18-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	493.24	1.641 (1)
18-12-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
18-13-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
18-14-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
18-15-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
18-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	0.00	100.000 (1)
18-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
18-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
18-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
18-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
18-21-S	100	120	0.00	2.000	0.00	0.00	434.47	32.54	13.353 (1)
18-22-S	100	120	0.00	2.000	0.00	0.00	434.47	32.54	13.353 (1)
18-23-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
18-24-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
18-25-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
18-26-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
19-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
19-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
19-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
19-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
19-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
19-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
19-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
19-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
19-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
19-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
19-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
19-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
19-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
19-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
19-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
19-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
19-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
19-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
19-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
19-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
19-21-S	100	120	0.00	2.000	0.00	0.00	434.47	33.07	13.136 (1)
19-22-S	100	120	0.00	2.000	0.00	0.00	434.47	33.07	13.136 (1)
19-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
19-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
19-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
19-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
20-1-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
20-2-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
20-3-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
20-4-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
20-5-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
20-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
20-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
20-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
20-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
20-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
20-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
20-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
20-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
20-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
20-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
20-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	919.09	1.321 (1)
20-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	919.09	1.321 (1)
20-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	919.09	1.321 (1)
20-19-S	100	120	0.00	2.000	0.00	0.00	415.55	400.54	1.037 (1)
20-20-S	100	120	0.00	2.000	0.00	0.00	415.55	400.54	1.037 (1)
20-21-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
20-22-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
20-23-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
20-24-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
20-25-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
20-26-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
21-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
21-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
21-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
21-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
21-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
21-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
21-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
21-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
21-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
21-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
21-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
21-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
21-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
21-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
21-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
21-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
21-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
21-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
21-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
21-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
21-21-S	100	120	0.00	2.000	0.00	0.00	434.47	33.36	13.023 (1)
21-22-S	100	120	0.00	2.000	0.00	0.00	434.47	33.36	13.023 (1)
21-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
21-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
21-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
21-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
22-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
22-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
22-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
22-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
22-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
22-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
22-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
22-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
22-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
22-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
22-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
22-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
22-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
22-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
22-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
22-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
22-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
22-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
22-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
22-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
22-21-S	100	120	0.00	2.000	0.00	0.00	434.47	33.51	12.964 (1)
22-22-S	100	120	0.00	2.000	0.00	0.00	434.47	33.51	12.964 (1)
22-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
22-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
22-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
22-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
23-1-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
23-2-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
23-3-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
23-4-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
23-5-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
23-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.24	1.054 (1)
23-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.24	1.054 (1)
23-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.24	1.054 (1)
23-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.24	1.054 (1)
23-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.24	1.054 (1)
23-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.68	1.108 (1)
23-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.68	1.108 (1)
23-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.68	1.108 (1)
23-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.68	1.108 (1)
23-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.68	1.108 (1)
23-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	918.97	1.321 (1)
23-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	918.97	1.321 (1)
23-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	918.97	1.321 (1)
23-19-S	100	120	0.00	2.000	0.00	0.00	415.55	400.18	1.038 (1)
23-20-S	100	120	0.00	2.000	0.00	0.00	415.55	400.18	1.038 (1)
23-21-S	100	120	0.00	2.000	0.00	0.00	415.55	86.40	4.809 (1)
23-22-S	100	120	0.00	2.000	0.00	0.00	415.55	86.40	4.809 (1)
23-23-S	100	120	0.00	2.000	0.00	0.00	415.55	86.40	4.809 (1)
23-24-S	100	120	0.00	2.000	0.00	0.00	415.55	86.40	4.809 (1)
23-25-S	100	120	0.00	2.000	0.00	0.00	415.55	86.40	4.809 (1)
23-26-S	100	120	0.00	2.000	0.00	0.00	415.55	86.40	4.809 (1)
24-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
24-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
24-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
24-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
24-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
24-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
24-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
24-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
24-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
24-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.71	1.121 (1)
24-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
24-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
24-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
24-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
24-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.27	1.696 (1)
24-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
24-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
24-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
24-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
24-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.26	1.239 (1)
24-21-S	100	120	0.00	2.000	0.00	0.00	434.47	33.51	12.964 (1)
24-22-S	100	120	0.00	2.000	0.00	0.00	434.47	33.51	12.964 (1)
24-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
24-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
24-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
24-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.32	2.068 (1)
25-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
25-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
25-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
25-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
25-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
25-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
25-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
25-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
25-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
25-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	721.80	1.121 (1)
25-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
25-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
25-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
25-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
25-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.11	1.696 (1)
25-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
25-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
25-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
25-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
25-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.29	1.239 (1)
25-21-S	100	120	0.00	2.000	0.00	0.00	434.47	33.36	13.023 (1)
25-22-S	100	120	0.00	2.000	0.00	0.00	434.47	33.36	13.023 (1)
25-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
25-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
25-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
25-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.43	2.068 (1)
26-1-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
26-2-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
26-3-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
26-4-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
26-5-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
26-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
26-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
26-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
26-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
26-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.92	1.054 (1)
26-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
26-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
26-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
26-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
26-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.24	1.108 (1)
26-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	919.09	1.321 (1)
26-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	919.09	1.321 (1)
26-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	919.09	1.321 (1)
26-19-S	100	120	0.00	2.000	0.00	0.00	415.55	400.54	1.037 (1)
26-20-S	100	120	0.00	2.000	0.00	0.00	415.55	400.54	1.037 (1)
26-21-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
26-22-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
26-23-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
26-24-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
26-25-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
26-26-S	100	120	0.00	2.000	0.00	0.00	415.55	86.11	4.826 (1)
27-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
27-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
27-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
27-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
27-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
27-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
27-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
27-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
27-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
27-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.32	1.120 (1)
27-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
27-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
27-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
27-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
27-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	476.64	1.698 (1)
27-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
27-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
27-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
27-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
27-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	653.57	1.238 (1)
27-21-S	100	120	0.00	2.000	0.00	0.00	434.47	33.07	13.136 (1)
27-22-S	100	120	0.00	2.000	0.00	0.00	434.47	33.07	13.136 (1)
27-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
27-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
27-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
27-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	392.13	2.064 (1)
28-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
28-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
28-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
28-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
28-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
28-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
28-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
28-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
28-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
28-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	722.91	1.120 (1)
28-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	493.24	1.641 (1)
28-12-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
28-13-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
28-14-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
28-15-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	688.47	2.351 (1)
28-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	0.00	100.000 (1)
28-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
28-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
28-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
28-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	477.16	1.696 (1)
28-21-S	100	120	0.00	2.000	0.00	0.00	434.47	32.54	13.353 (1)
28-22-S	100	120	0.00	2.000	0.00	0.00	434.47	32.54	13.353 (1)
28-23-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
28-24-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
28-25-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
28-26-S	100	120	0.00	2.000	0.00	0.00	434.47	392.58	1.107 (1)
29-1-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
29-2-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
29-3-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
29-4-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
29-5-S	100	120	0.00	2.000	0.00	0.00	415.55	0.00	100.000 (1)
29-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
29-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
29-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
29-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
29-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1152.28	1.054 (1)
29-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
29-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
29-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
29-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
29-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1095.20	1.108 (1)
29-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	920.66	1.319 (1)
29-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	920.66	1.319 (1)
29-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	920.66	1.319 (1)
29-19-S	100	120	0.00	2.000	0.00	0.00	415.55	402.56	1.032 (1)
29-20-S	100	120	0.00	2.000	0.00	0.00	415.55	402.56	1.032 (1)
29-21-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
29-22-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
29-23-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
29-24-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
29-25-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
29-26-S	100	120	0.00	2.000	0.00	0.00	415.55	85.11	4.882 (1)
30-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
30-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
30-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
30-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
30-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
30-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
30-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
30-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
30-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
30-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	725.58	1.115 (1)
30-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	495.11	1.635 (1)
30-12-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
30-13-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
30-14-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
30-15-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	691.12	2.342 (1)
30-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	0.00	100.000 (1)
30-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
30-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
30-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
30-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	479.32	1.689 (1)
30-21-S	100	120	0.00	2.000	0.00	0.00	434.47	31.91	13.615 (1)
30-22-S	100	120	0.00	2.000	0.00	0.00	434.47	31.91	13.615 (1)
30-23-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
30-24-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
30-25-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
30-26-S	100	120	0.00	2.000	0.00	0.00	434.47	394.50	1.101 (1)
31-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
31-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
31-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
31-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
31-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
31-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
31-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
31-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
31-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
31-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	728.26	1.111 (1)
31-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
31-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
31-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
31-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
31-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	481.23	1.682 (1)
31-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
31-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
31-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
31-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
31-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	659.78	1.227 (1)
31-21-S	100	120	0.00	2.000	0.00	0.00	434.47	31.27	13.893 (1)
31-22-S	100	120	0.00	2.000	0.00	0.00	434.47	31.27	13.893 (1)
31-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
31-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
31-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
31-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.42	2.047 (1)
32-1-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
32-2-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
32-3-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
32-4-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
32-5-S	100	120	0.00	2.000	0.00	0.00	434.47	0.00	100.000 (1)
32-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
32-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
32-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
32-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
32-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1151.39	1.054 (1)
32-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
32-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
32-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
32-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)
32-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1106.61	1.097 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
32-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	930.86	1.304 (1)
32-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	930.86	1.304 (1)
32-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	930.86	1.304 (1)
32-19-S	100	120	0.00	2.000	0.00	0.00	434.47	410.02	1.060 (1)
32-20-S	100	120	0.00	2.000	0.00	0.00	434.47	410.02	1.060 (1)
32-21-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
32-22-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
32-23-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
32-24-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
32-25-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
32-26-S	100	120	0.00	2.000	0.00	0.00	434.47	84.13	5.164 (1)
33-1-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
33-2-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
33-3-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
33-4-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
33-5-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
33-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
33-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
33-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
33-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
33-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	737.95	1.097 (1)
33-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
33-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
33-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
33-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
33-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	502.40	1.611 (1)
33-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
33-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
33-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
33-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
33-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	673.71	1.201 (1)
33-21-S	100	120	0.00	2.000	0.00	0.00	451.86	31.50	14.344 (1)
33-22-S	100	120	0.00	2.000	0.00	0.00	451.86	31.50	14.344 (1)
33-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
33-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
33-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
33-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	396.91	2.039 (1)
34-1-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
34-2-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
34-3-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
34-4-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
34-5-S	100	120	0.00	2.000	0.00	0.00	451.86	1.78	100.000 (1)
34-6-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
34-7-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
34-8-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
34-9-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
34-10-S	100	120	9.05	2.500	3415.87	809.34	809.34	744.21	1.088 (1)
34-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
34-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
34-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
34-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
34-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	529.33	1.529 (1)
34-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
34-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
34-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
34-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
34-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	685.98	1.180 (1)
34-21-S	100	120	0.00	2.000	0.00	0.00	451.86	35.29	12.805 (1)
34-22-S	100	120	0.00	2.000	0.00	0.00	451.86	35.29	12.805 (1)
34-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
34-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
34-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
34-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	395.28	2.048 (1)
35-1-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
35-2-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
35-3-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
35-4-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
35-5-S	100	120	0.00	2.000	0.00	0.00	451.86	0.00	100.000 (1)
35-6-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
35-7-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
35-8-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
35-9-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
35-10-S	100	120	18.10	2.500	3415.87	1618.69	1618.69	1227.29	1.319 (1)
35-11-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
35-12-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
35-13-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
35-14-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
35-15-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	1181.30	1.028 (1)
35-16-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	965.75	1.257 (1)
35-17-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	965.75	1.257 (1)
35-18-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	965.75	1.257 (1)
35-19-S	100	120	0.00	2.000	0.00	0.00	451.86	417.53	1.082 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
35-20-S	100	120	0.00	2.000	0.00	0.00	451.86	417.53	1.082 (1)
35-21-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
35-22-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
35-23-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
35-24-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
35-25-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
35-26-S	100	120	0.00	2.000	0.00	0.00	451.86	92.92	4.863 (1)
36-1-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
36-2-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
36-3-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
36-4-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
36-5-S	100	120	0.00	2.000	0.00	0.00	468.02	0.00	100.000 (1)
36-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
36-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
36-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
36-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
36-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	845.90	1.435 (1)
36-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
36-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
36-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
36-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
36-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	643.44	1.258 (1)
36-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
36-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
36-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
36-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
36-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	710.90	1.138 (1)
36-21-S	100	120	0.00	2.000	0.00	0.00	468.02	37.86	12.362 (1)
36-22-S	100	120	0.00	2.000	0.00	0.00	468.02	37.86	12.362 (1)
36-23-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
36-24-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
36-25-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
36-26-S	100	120	9.05	2.500	3415.87	809.34	809.34	391.08	2.070 (1)
37-1-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
37-2-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
37-3-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
37-4-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
37-5-S	100	120	0.00	2.000	0.00	0.00	483.12	0.00	100.000 (1)
37-6-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
37-7-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
37-8-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
37-9-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
37-10-S	100	120	13.57	2.500	3415.87	1214.02	1214.02	816.66	1.487 (1)
37-11-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
37-12-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
37-13-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
37-14-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
37-15-S	100	120	9.05	2.500	3415.87	809.34	809.34	775.39	1.044 (1)
37-16-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
37-17-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
37-18-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
37-19-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
37-20-S	100	120	9.05	2.500	3415.87	809.34	809.34	748.56	1.081 (1)
37-21-S	100	120	0.00	2.000	0.00	0.00	483.12	128.27	3.766 (1)
37-22-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
37-23-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
37-24-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
37-25-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)
37-26-S	100	120	0.00	2.000	0.00	0.00	483.12	386.71	1.249 (1)

Pali in c.a.

La verifica a taglio sui pali circolari in c.a. viene eseguita considerando una sezione quadrata inscritta nella circonferenza. Se D è il diametro del palo, il lato della sezione quadrata sulla quale si esegue la verifica è $L = 2^{0.5}/2 D$.

Ip	Is	L [cm]	A _{sw} [cmq]	s [cm]	cotgθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	1	70.71	2.26	10	2.500	1336.70	894.93	894.93	922.66	0.970
2	1	70.71	2.26	10	2.500	1517.04	1288.70	1288.70	922.66	1.397
3	1	70.71	2.26	10	2.500	1670.88	1288.70	1288.70	922.66	1.397

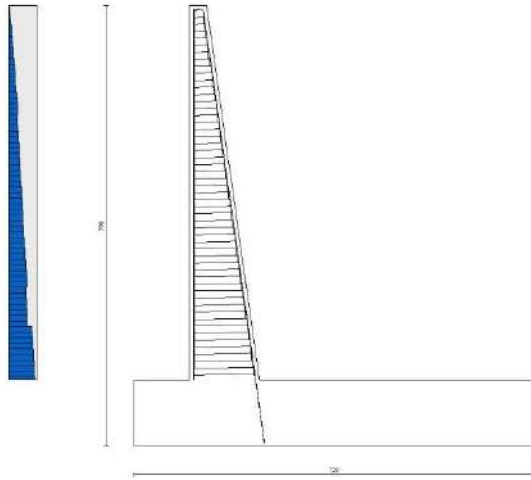


Fig. 17 - Paramento (Inviluppo)

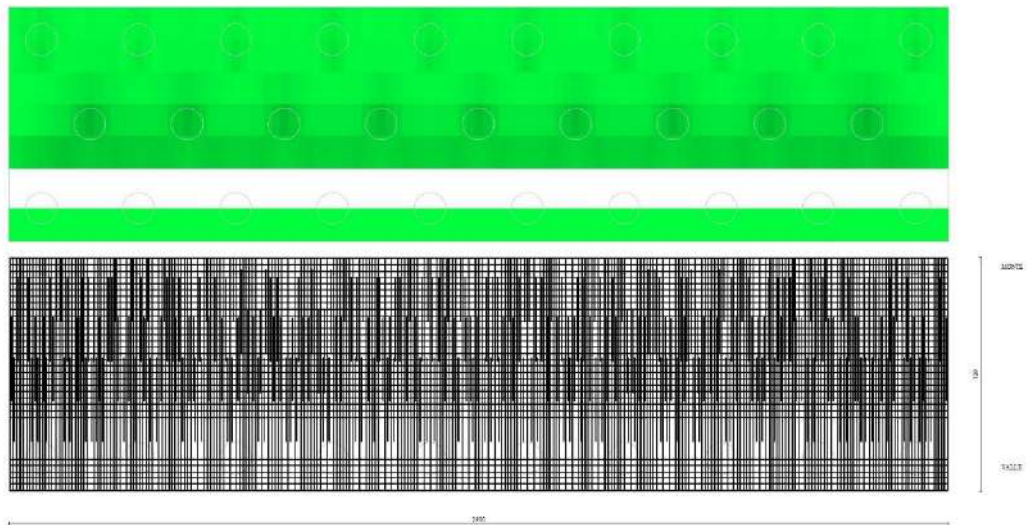


Fig. 18 - Piastra fondazione dir. X (Inviluppo)

RELAZIONE DI CALCOLO

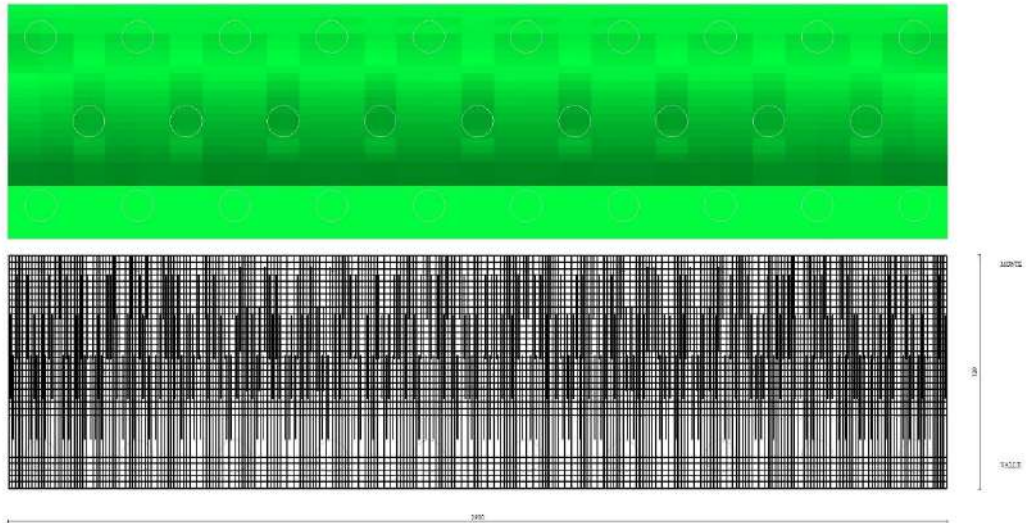


Fig. 19 - Piastra fondazione dir. Y (Inviluppo)

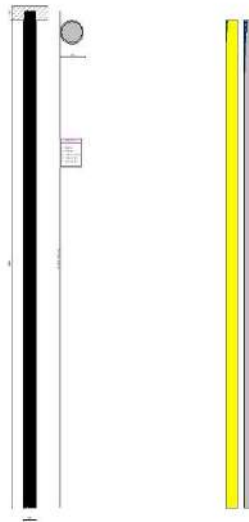


Fig. 20 - Pali (Palo n° 1) (Inviluppo)

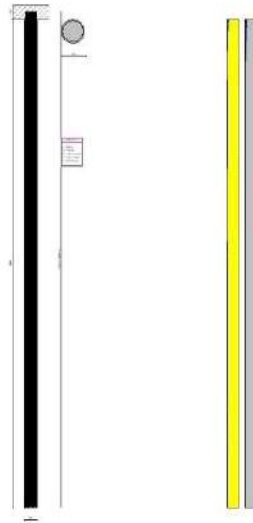


Fig. 21 - Pali (Palo n° 2) (Inviluppo)

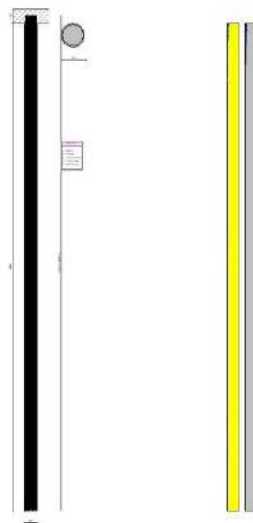


Fig. 22 - Pali (Palo n° 3) (Inviluppo)

Verifica a punzonamento

Simbologia adottata

OP	Oggetto che viene punzonato
P	Oggetto che punzona
C ₁ , C ₂	Dimensioni pilastro nelle due direzioni, espressa in [mm]
d	Altezza utile della fondazione, espressa in [mm]
u ₀	Lunghezza perimetro di verifica a faccia pilastro, espresso in [mm]
u ₁	Lunghezza perimetro di verifica per effetto della diffusione, espresso in [mm]
ρ _{v1} , ρ _{v2}	Percentuali di armatura piastra in zona tesa
dp _c , duc	distanza della prima e dell'ultima cucitura dalla faccia del pilastro
V _{Ed,i}	Tensione di taglio sul perimetro del pilastro, espressa in [kPa]
V _{Rd,max}	Valore di progetto del massimo taglio-punzonamento resistente, espressa in [kPa]
V _{Ed,f}	Tensione di taglio sul perimetro di verifica u ₁ , espresso in [kPa]
V _{Rd,cf}	Valore di progetto del taglio-punzonamento resistente senza armature sul perimetro di verifica u ₁ , espresso in [kPa]

RELAZIONE DI CALCOLO

$V_{Rd,cs}$	Valore di progetto del taglio-punzonamento resistente con armature, espresso in [kPa]
nsc	Numero di serie di cuciture
nc	Numero di cuciture
FS	Fattore di sicurezza (minore tra i rapporti $V_{Rd,max}/V_{Ed,t}$, $V_{Rd,ct}/V_{Ed,t}$ e $V_{Rd,cs}/V_{Ed,t}$)

RELAZIONE DI CALCOLO

Elenco ferri

Simbologia adottata

n°	Indice del ferro
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
Pferro	Peso ferro espresso in [kN]

Paramento

n°	Tipo	nf	D [mm]	L [m]	Pr [kN]	P _{gf} [kN]	V _{cls} [mc]
1	Diritto superiore	5	24.00	3.72	0.1294	0.6470	
2	Diritto superiore	5	24.00	6.82	0.2374	1.1872	
3	Diritto superiore	5	24.00	7.65	0.2663	1.3313	
4	Diritto inferiore	5	24.00	7.59	0.2643	1.3213	
5	Ripartitore	106	12.00	1.00	0.0087	0.9229	
6	Gancio	132	12.00	0.68	0.0059	0.7826	
	Totale al metro					6.1922	5.20
	Totale					179.5739	150.93

Piastra fondazione

n°	Tipo	nf	D [mm]	L [m]	Pr [kN]	P _{gf} [kN]	V _{cls} [mc]
1	Diritto superiore Orizzontale [M]	32	24.00	5.54	0.1929	6.1740	
2	Diritto superiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
3	Diritto superiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
4	Diritto superiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
5	Diritto inferiore Orizzontale [M]	32	24.00	5.54	0.1929	6.1740	
6	Diritto inferiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
7	Diritto inferiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
8	Diritto inferiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
9	Diritto inferiore Verticale [M]	146	24.00	9.42	0.3282	47.9156	
10	Diritto superiore Verticale [M]	146	24.00	9.42	0.3282	47.9156	
11	Sagomato superiore Verticale	67	24.00	4.39	0.1530	10.2487	
12	Diritto superiore Verticale	97	24.00	9.42	0.3282	31.8343	
13	Sagomato superiore Verticale	73	24.00	4.39	0.1530	11.1664	
14	Sagomato superiore Verticale	59	24.00	4.39	0.1530	9.0249	
15	Sagomato superiore Verticale	28	24.00	3.74	0.1302	3.6467	
16	Sagomato superiore Verticale	8	24.00	4.39	0.1530	1.2237	
17	Sagomato superiore Verticale	8	24.00	4.39	0.1530	1.2237	
	Totale					243.4147	250.68

Pali

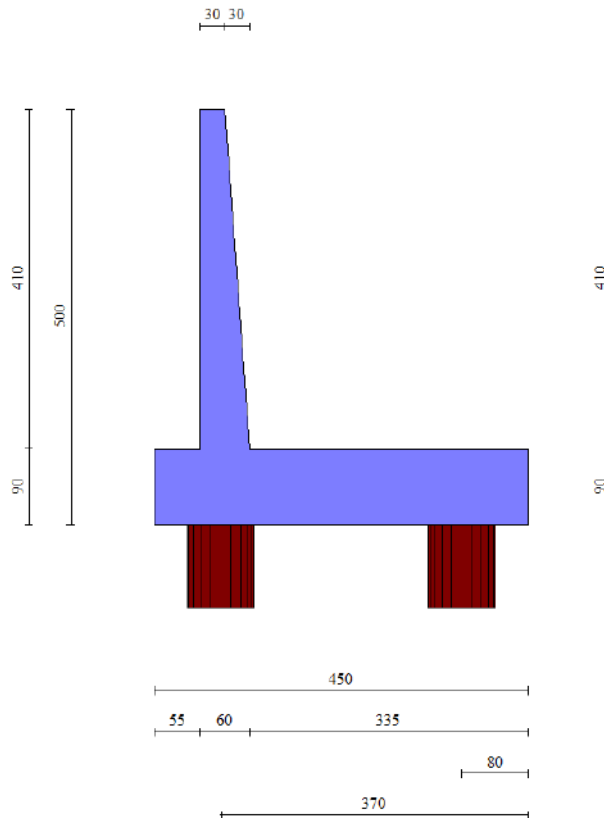
Pali in c.a. (singolo palo della fila)

Simbologia adottata

n°	Indice della fila
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
Pferro	Peso ferro espresso in [kN]
V _{cls}	Volume calcestruzzo/malta espresso in [mc]

n°	Tipo ferro	nf	D [mm]	L [m]	Pferro [kN]	V _{cls} [mc]
1	Ferri longitudinali	40	26.00	40.78	1.6668	
	Staffe/Spirale	1	10.00	1170.06	7.0745	31.42
	Totale (9 pali)				737.4609	314.16
2	Ferri longitudinali	50	22.00	40.66	1.1899	
	Staffe/Spirale	1	12.00	1167.54	10.1654	31.42
	Totale (10 pali)				626.9302	282.74
3	Ferri longitudinali	50	22.00	40.66	1.1899	
	Staffe/Spirale	1	12.00	1167.54	10.1654	31.42
	Totale (10 pali)				696.5891	314.16

10.2 SEZIONE 2: PARAMENTO H= 4.1 M



Dati

Materiali

Simbologia adottata

n°	Indice materiale
Descr	Descrizione del materiale
<u>Calcestruzzo armato</u>	
C	Classe di resistenza del cls
A	Classe di resistenza dell'acciaio
γ	Peso specifico, espresso in [kN/mc]
R_{ck}	Resistenza caratteristica a compressione, espressa in [kPa]
E	Modulo elastico, espresso in [kPa]
ν	Coeff. di Poisson
n	Coeff. di omogenizzazione acciaio/cls
ntc	Coeff. di omogenizzazione cls teso/compresso

Calcestruzzo armato

n°	Descr	C	A	γ	R_{ck}	E	ν	n	ntc
----	-------	---	---	----------	----------	---	-------	---	-----

RELAZIONE DI CALCOLO

1	C32/40	C32/40	B450C	[kN/mc] 24.5170	[kPa] 40000	[kPa] 33642648	0.30	15.00	0.50
---	--------	--------	-------	--------------------	----------------	-------------------	------	-------	------

Acciai

Descr	f _{yk} [kPa]	f _{uk} [kPa]
B450C	450000	540000

Tipologie pali

Simbologia adottata

n°	Indice tipologia palo
Descr	Descrizione tipologia palo
P	Contributo portanza palo (laterale e/o punta)
T	Tecnologia costruttiva (trivellato, infisso o elica continua)
V	Vincolo palo-fondazione: Cerniera o Incastro (libero o impedito di ruotare in testa)
Imat	Indice materiale che lo costituisce
BD	usa metodo di Bustamante-Doix
PN	Portanza nota
Pp, PI	Portanza di punta e laterale caratteristica, espressa in [kN]

n°	Descr	P	T	V	Imat	BD	PN	Pp	PI
1	Tipologia palo	Laterale + Punta	Trivellato	Incastro	1	NO	NO	--	--

Geometria profilo terreno a monte del muro

Simbologia adottata

(Sistema di riferimento con origine in testa al muro, ascissa X positiva verso monte, ordinata Y positiva verso l'alto)

n°	numero ordine del punto
X	ascissa del punto espressa in [m]
Y	ordinata del punto espressa in [m]
A	inclinazione del tratto espressa in [°]

n°	X [m]	Y [m]	A [°]
1	0.00	0.00	0.000
2	30.00	0.00	0.000

Inclinazione terreno a valle del muro rispetto all'orizzontale 0.000 [°]

Geometria muro

Geometria paramento e fondazione

Lunghezza muro	20.00	[m]
Paramento		
Materiale	C32/40	
Altezza paramento	4.10	[m]
Altezza paramento libero	4.10	[m]
Spessore in sommità	0.30	[m]
Spessore all'attacco con la fondazione	0.60	[m]
Inclinazione paramento esterno	0.00	[°]
Inclinazione paramento interno	4.20	[°]
Fondazione		
Materiale	C32/40	
Lunghezza mensola di valle	0.55	[m]
Lunghezza mensola di monte	3.35	[m]
Lunghezza totale	4.50	[m]
Inclinazione piano di posa	0.00	[°]
Spessore	0.90	[m]

Spessore magrone

0.00

[m]

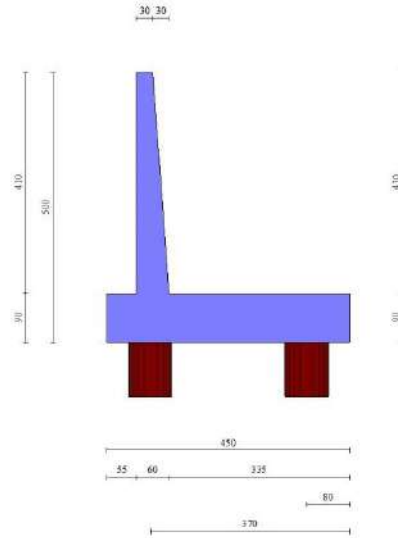


Fig. 1 - Sezione quotata del muro

Descrizione pali di fondazione

Simbologia adottata

- n° numero d'ordine della fila
- X ascissa della fila misurata dallo spigolo di monte della fondazione espressa in [m]
- I interasse tra i pali, espressa in [m]
- f franco laterale (distanza minima dal bordo laterale), espressa in [m]
- Np Numero di pali della fila
- D diametro dei pali della fila espresso in [cm]
- L lunghezza dei pali della fila espressa in [m]
- α inclinazione dei pali della fila rispetto alla verticale espressa in [°]
- ALL allineamento dei pali della fila rispetto al baricentro della fondazione (CENTRATI o SFALSATI)

n°	Tipologia	X [m]	I [m]	f [m]	Np	D [cm]	L [m]	α [°]	ALL
1	Tipologia palo	0.80	3.00	0.00	7	80.00	30.00	0.00	Centrati
2	Tipologia palo	3.70	3.00	0.00	7	80.00	30.00	0.00	Centrati

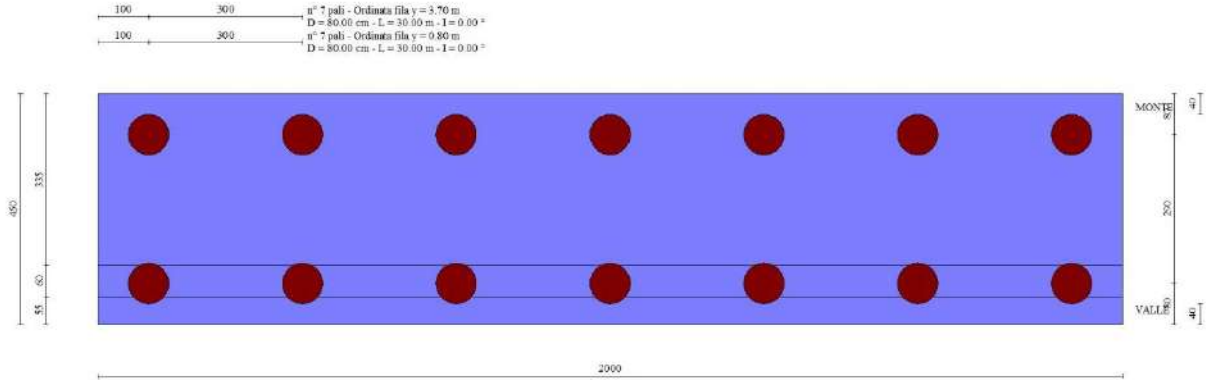


Fig. 2 - Pianta pali

Descrizione terreni

Parametri di resistenza

Simbologia adottata

n°	Indice del terreno
Descr	Descrizione terreno
γ	Peso di volume del terreno espresso in [kN/mc]
γ_s	Peso di volume saturo del terreno espresso in [kN/mc]
ϕ	Angolo d'attrito interno espresso in [°]
δ	Angolo d'attrito terra-muro espresso in [°]
c	Coesione espressa in [kPa]
ca	Adesione terra-muro espressa in [kPa]
Per calcolo portanza con il metodo di Bustamante-Doix	
Cesp	Coeff. di espansione laterale (solo per il metodo di Bustamante-Doix)
τ_l	Tensione tangenziale limite, espressa in [kPa]

n°	Descr	γ [kN/mc]	γ_{sat} [kN/mc]	ϕ [°]	δ [°]	c [kPa]	ca [kPa]	Cesp	τ_l [kPa]	
1	RILEVATO	19.0000	19.0000	35.000	23.330	0	0	1.000	0	0 (CAR)
				37.000	24.667	0	0			0 (MIN)
				38.000	25.333	0	0			0 (MED)
2	Qa	18.0000	18.0000	24.000	16.000	30	15	1.000	0	0 (CAR)
				24.000	16.000	30	15			0 (MIN)
				27.000	18.000	32	16			0 (MED)
3	Qc (a)	18.0000	18.0000	40.000	26.670	0	0	1.000	0	0 (CAR)
				40.000	26.667	0	0			0 (MIN)
				45.000	30.000	0	0			0 (MED)

Stratigrafia

Simbologia adottata

n°	Indice dello strato
H	Spessore dello strato espresso in [m]
α	Inclinazione espressa in [°]
Terreno	Terreno dello strato
Kwn, Kwt	Costante di Winkler normale e tangenziale alla superficie espressa in Kg/cm ² /cm
Per calcolo pali (solo se presenti)	
Kw	Costante di Winkler orizzontale espressa in Kg/cm ² /cm
Ks	Coefficiente di spinta
Cesp	Coefficiente di espansione laterale (per tutti i metodi tranne il metodo di Bustamante-Doix)

Per calcolo della spinta con coeff. di spinta definiti (usati solo se attiva l'opzione 'Usa coeff. di spinta da strato')
 Kst_{sta}, Kst_{sis} Coeff. di spinta statico e sismico

n°	H	α	Terreno	Kwn	Kwt	Kw	Ks	Cesp	Kst _{sta}	Kst _{sis}
----	---	----------	---------	-----	-----	----	----	------	--------------------	--------------------

RELAZIONE DI CALCOLO

	[m]	[°]		[Kg/cm ²]	[Kg/cm ²]	[Kg/cm ²]				
1	5.00	0.000	RILEVATO	0.000	0.000	0.000	0.000	1.000	---	---
2	40.00	0.000	Qa	0.000	0.000	0.000	0.000	1.000	---	---

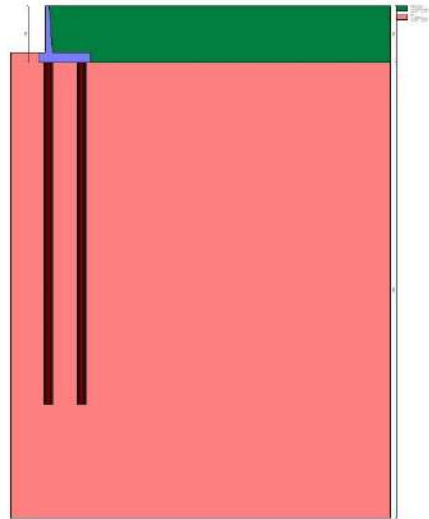


Fig. 3 - Stratigrafia

Normativa

Normativa usata: **Norme Tecniche sulle Costruzioni 2008 (D.M. 14.01.2008) - Approccio 2 + Circolare C.S.LL.PP. 02/02/2009 n.617**

Coeff. parziali per le azioni o per l'effetto delle azioni

Carichi	Effetto		Combinazioni statiche				Combinazioni sismiche			
			HYD	UPL	EQU	A1	A2	EQU	A1	A2
Permanenti strutturali	Favorevoli	$\gamma_{G1,fav}$	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Permanenti strutturali	Sfavorevoli	$\gamma_{G1,sfav}$	1.30	1.10	1.10	1.30	1.00	1.00	1.00	1.00
Permanenti non strutturali	Favorevoli	$\gamma_{G2,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Permanenti non strutturali	Sfavorevoli	$\gamma_{G2,sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili	Favorevoli	$\gamma_{Q,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili	Sfavorevoli	$\gamma_{Q,sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili da traffico	Favorevoli	$\gamma_{QT,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili da traffico	Sfavorevoli	$\gamma_{QT,sfav}$	1.50	1.50	1.35	1.35	1.15	1.00	1.00	1.00

Coeff. parziali per i parametri geotecnici del terreno

Parametro		Combinazioni statiche		Combinazioni sismiche	
		M1	M2	M1	M2
Tangente dell'angolo di attrito	$\gamma_{\tan(\phi)}$	1.00	1.25	1.00	1.25
Coesione efficace	γ_c	1.00	1.25	1.00	1.25
Resistenza non drenata	γ_{cu}	1.00	1.40	1.00	1.40
Peso nell'unità di volume	γ_γ	1.00	1.00	1.00	1.00

Coeff. parziali γ_R per le verifiche agli stati limite ultimi STR e GEO

Verifica	Combinazioni statiche			Combinazioni sismiche		
	R1	R2	R3	R1	R2	R3
Capacità portante	--	--	1.40	--	--	1.20
Scorrimento	--	--	1.10	--	--	1.00
Resistenza terreno a valle	--	--	1.40	--	--	1.20
Ribaltamento	--	--	1.00	--	--	1.00
Stabilità fronte di scavo	--	1.10	--	--	1.20	--

Carichi verticali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

RELAZIONE DI CALCOLO

Resistenza		Pali infissi			Pali trivellati			Pali ad elica continua		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
Punta	γ_b	--	--	1.15	--	--	1.35	--	--	1.30
Laterale compressione	γ_s	--	--	1.15	--	--	1.15	--	--	1.15
Totale compressione	γ_t	--	--	1.15	--	--	1.30	--	--	1.25
Laterale trazione	γ_{st}	--	--	1.25	--	--	1.25	--	--	1.25

Carichi trasversali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

		R1	R2	R3
Trasversale	γ_t	--	--	1.30

Coefficienti di riduzione ζ per la determinazione della resistenza caratteristica dei pali

Numero di verticali indagate 1

$\zeta_3=1.70$ $\zeta_4=1.70$

Descrizione combinazioni di carico

Con riferimento alle azioni elementari prima determinate, si sono considerate le seguenti combinazioni di carico:
- Combinazione fondamentale, impiegata per gli stati limite ultimi (SLU):

$$\gamma_{G1} G_1 + \gamma_{G2} G_2 + \gamma_{Q1} Q_{k1} + \gamma_{Q2} Q_{k2} + \gamma_{Q3} Q_{k3} + \dots$$

- Combinazione caratteristica, cosiddetta rara, impiegata per gli stati limite di esercizio (SLE) irreversibili:

$$G_1 + G_2 + Q_{k1} + \Psi_{0,2} Q_{k2} + \Psi_{0,3} Q_{k3} + \dots$$

- Combinazione frequente, impiegata per gli stati limite di esercizio (SLE) reversibili:

$$G_1 + G_2 + \Psi_{1,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

- Combinazione quasi permanente, impiegata per gli effetti di lungo periodo:

$$G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

- Combinazione sismica, impiegata per gli stati limite ultimi connessi all'azione sismica E:

$$E + G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

I valori dei coeff. $\Psi_{0,j}$, $\Psi_{1,j}$, $\Psi_{2,j}$ sono definiti nelle singole condizioni variabili.

I valori dei coeff. γ_G e γ_Q , sono definiti nella tabella normativa.

In particolare si sono considerate le seguenti combinazioni:

Simbologia adottata

γ Coefficiente di partecipazione della condizione
 Ψ Coefficiente di combinazione della condizione

Combinazione n° 1 - STR (A1-M1-R3)

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole

Combinazione n° 2 - STR (A1-M1-R3) H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 3 - GEO (A2-M2-R2)

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 4 - GEO (A2-M2-R2) H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 5 - SLER

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 6 - SLEF

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 7 - SLEQ

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 8 - SLEQ_H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Dati sismici

Comune	Vizzini
Provincia	Catania
Regione	Sicilia
Latitudine	37.161987
Longitudine	14.750763
Indice punti di interpolazione	49415 - 49637 - 49638 - 49416
Vita nominale	50 anni
Classe d'uso	IV
Tipo costruzione	Normali affollamenti
Vita di riferimento	100 anni

	Simbolo	U.M.	SLU	SLE
Accelerazione al suolo	a_g	[m/s ²]	3.645	1.028
Accelerazione al suolo	a_g/g	[%]	0.372	0.105
Massimo fattore amplificazione spettro orizzontale	F0		2.345	2.340
Periodo inizio tratto spettro a velocità costante	Tc*		0.468	0.297
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		B	1.051
Categoria topografica - Coefficiente amplificazione topografica	St		T1	1.000

Stato limite ...	Coeff. di riduzione β_m	kh [%]	kv [%]
Ultimo	1.000	39.050	19.525
Esercizio	1.000	12.574	6.287

Nel calcolo non è stato portato in conto il sisma verticale
Forma diagramma incremento sismico **Rettangolare**

Opzioni di calcolo

Spinta

Metodo di calcolo della spinta
Tipo di spinta

Mononobe-Okabe
Spinta a riposo

RELAZIONE DI CALCOLO

Terreno a bassa permeabilità	SI
Superficie di spinta limitata	NO
<u>Stabilità globale</u>	
Metodo di calcolo della stabilità globale	Bishop
<u>Altro</u>	
Partecipazione spinta passiva terreno antistante	0.00
Partecipazione resistenza passiva dente di fondazione	50.00
Componente verticale della spinta nel calcolo delle sollecitazioni	NO
Considera terreno sulla fondazione di valle	SI
Considera spinta e peso acqua fondazione di valle	NO

<u>Spostamenti</u>	
Modello a blocchi	
Non è stato richiesto il calcolo degli spostamenti	
Spostamento limite	5.00 [cm]

<u>Opzioni calcolo pali</u>	
<u>Portanza verticale</u>	
Metodo di calcolo della portanza alla punta	Meyerhof
Metodo di calcolo della portanza alla laterale	Integrazione delle tensioni tangenziali ($k_s \sigma_v \tan(\delta) + c_a$)
Correzione angolo di attrito in funzione del tipo di palo (infilso/trivellato)	Non attiva
Andamento pressione verticale nel calcolo della portanza alla punta σ_v con la profondità	Pressione geostatica
Andamento pressione verticale nel calcolo della portanza laterale	Pressione geostatica
<u>Portanza trasversale</u>	
Costante di Winkler: costante pari a 1.00 [Kg/cm ² /cm]	
Criterio rottura palo-terreno	
- Spostamento limite	Non attivo
- Pressione limite	Pressione passiva con moltiplicatore M=3.00
- Palo infinitamente elastico	Non attivo
<u>Cedimenti</u>	
Metodo di calcolo	Metodo agli elementi finiti
Spostamento limite alla punta	1.00 [cm]
Spostamento limite laterale	0.50 [cm]

Specifiche per le verifiche nelle combinazioni allo Stato Limite Ultimo (SLU)

	SLU	Eccezionale
Coefficiente di sicurezza calcestruzzo a compressione	1.50	1.00
Coefficiente di sicurezza acciaio	1.15	1.00
Fattore di riduzione da resistenza cubica a cilindrica	0.83	0.83
Fattore di riduzione per carichi di lungo periodo	0.85	0.85
Coefficiente di sicurezza per la sezione	1.00	1.00

Specifiche per le verifiche nelle combinazioni allo Stato Limite di Esercizio (SLE)

Paramento e fondazione muro

Verifiche strutturali nelle combinazioni SLD eseguite. Struttura in classe d'uso III o IV

Condizioni ambientali	Aggressive
Armatura ad aderenza migliorata	SI
<u>Verifica a fessurazione</u>	
Sensibilità armatura	Poco sensibile
Metodo di calcolo aperture delle fessure	Circ. Min. 252 (15/10/96) - NTC 2008 I Formulazione
Calcolo momento fessurazione	Apertura
Resistenza a trazione per	Flessione
Valori limite aperture delle fessure:	$w_1=0.20$
	$w_2=0.30$
	$w_3=0.40$

Verifica delle tensioni

Valori limite delle tensioni nei materiali:

Combinazione	Calcestruzzo	Acciaio
Rara	0.60 f_{ck}	0.80 f_{yk}

RELAZIONE DI CALCOLO

Combinazione	Calcestruzzo	Acciaio
Frequente	1.00 f_{ck}	1.00 f_{yk}
Quasi permanente	0.45 f_{ck}	1.00 f_{yk}

RELAZIONE DI CALCOLO

Risultati per involucro

Spinta e forze

Simbologia adottata

Ic Indice della combinazione
A Tipo azione
I Inclinazione della spinta, espressa in [°]
V Valore dell'azione, espressa in [kN]
Cx, Cy Componente in direzione X ed Y dell'azione, espressa in [kN]
Px, Py Coordinata X ed Y del punto di applicazione dell'azione, espressa in [m]

Ic	A	V [kN]	I [°]	Cx [kN]	Cy [kN]	Px [m]	Py [m]
1	Spinta statica	118.74	23.33	109.04	47.03	3.65	-3.03
	Peso/Inerzia muro			0.00	144.61/0.00	0.94	-3.84
	Peso/Inerzia terrapieno			0.00	272.69/0.00	1.90	-2.02
	Resistenza pali			-345.85			
2	Spinta statica	91.34	23.33	83.87	36.17	3.65	-3.03
	Incremento di spinta sismica		135.64	124.55	53.72	3.65	-2.50
	Peso/Inerzia muro			56.47	144.61/0.00	0.94	-3.84
	Peso/Inerzia terrapieno			106.49	272.69/0.00	1.90	-2.02
	Resistenza pali			-383.54			

Risultanti globali

Simbologia adottata

Cmb Indice/Tipo combinazione
N Componente normale al piano di posa, espressa in [kN]
T Componente parallela al piano di posa, espressa in [kN]
Mr Momento ribaltante, espresso in [kNm]
Ms Momento stabilizzante, espresso in [kNm]
ecc Eccentricità risultante, espressa in [m]

Ic	N [kN]	T [kN]	Mr [kNm]	Ms [kNm]	ecc [m]
1 - STR (A1-M1-R3)	464.32	109.04	214.85	1220.51	0.085
2 - STR (A1-M1-R3)	507.19	371.38	859.49	1413.44	1.158
3 - GEO (A2-M2-R2)	452.63	102.39	198.66	1167.85	0.109
4 - GEO (A2-M2-R2)	502.53	409.97	943.08	1392.46	1.356
5 - SLER	453.47	83.87	165.27	1171.66	0.031
6 - SLEF	453.47	83.87	165.27	1171.66	0.031
7 - SLEQ	453.47	83.87	165.27	1171.66	0.031
8 - SLEQ	465.32	163.81	357.20	1224.98	0.386

Scarichi in testa ai pali

Simbologia adottata

Cmb Indice/Tipo combinazione
Ip Indice palo
N Sforzo normale, espresso in [kN]
M Momento, espresso in [kNm]
T Taglio, espresso in [kN]

Cmb	Ip	N [kN]	M [kNm]	T [kN]
1 - STR (A1-M1-R3)	1	436.03	-273.04	-155.77
	2	890.61	-273.04	-155.77
2 - STR (A1-M1-R3) H	1	-432.79	-838.50	-530.54
	2	1881.90	-838.50	-530.54

Verifiche geotecniche

Quadro riassuntivo coeff. di sicurezza calcolati

Simbologia adottata

Cmb Indice/Tipo combinazione
S Sisma (H: componente orizzontale, V: componente verticale)

FS _{SCO}	Coeff. di sicurezza allo scorrimento
FS _{RIB}	Coeff. di sicurezza al ribaltamento
FS _{QLIM}	Coeff. di sicurezza a carico limite
FS _{STAB}	Coeff. di sicurezza a stabilità globale
FS _{HYD}	Coeff. di sicurezza a sifonamento
FS _{UPL}	Coeff. di sicurezza a sollevamento

Cmb	Sismica	FS _{SCO}	FS _{RIB}	FS _{QLIM}	FS _{STAB}	FS _{HYD}	FS _{UPL}
1 - STR (A1-M1-R3)		3.172					
2 - STR (A1-M1-R3)	H	1.033					
3 - GEO (A2-M2-R2)					5.605		
4 - GEO (A2-M2-R2)	H				2.060		

Verifiche portanza trasversale (scorrimento)

Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
T	Carico orizzontale agente alla testa del palo, espresso in [kN]
Td	Portanza trasversale di progetto, espresso in [kN]
FS _o	Fattore di sicurezza (Td/T)

Ic	Ip	T [kN]	Td [kN]	FS _o
1 - STR (A1-M1-R3)	1	-155.77	503.23	3.231
	2	-155.77	494.07	3.172
2 - STR (A1-M1-R3) H	1	-530.54	558.14	1.052
	2	-530.54	547.91	1.033

Verifiche portanza verticale

Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
N	Carico verticale agente alla testa del palo, espresso in [kN]
Pd	Portanza di progetto, espresso in [kN]
FS _v	Fattore di sicurezza (Pd/N)

Ic	Ip	N [kN]	Pd [kN]	FS _v
1 - STR (A1-M1-R3)	1	436.03	1890.87	4.337
	2	890.61	1890.87	2.123
2 - STR (A1-M1-R3) H	1	-432.79	901.93	2.084
	2	1881.90	1890.87	1.005
2 - STR (A1-M1-R3) H	1	-432.79	901.93	2.084
	2	1881.90	1890.87	1.005

Dettagli calcolo portanza verticale

Simbologia adottata

n°	Indice palo
N _c , N _q	Coeff. di capacità portante
N' _c , N' _q	Coeff. di capacità portante corretti
Z _c	Massima profondità andamento pressione geostatica, espressa in [m]
P _p , P _l	Portanza di punta e laterale caratteristica, espresse in [kN]
A	Attrito negativo, espresso in [kN]
W _p	Peso palo, espresso in [kN]

n°	N _c	N' _c	N _q	N' _q	Z _c [m]	P _p [kN]	P _l [kN]	A [kN]	W _p [kN]
1	23.942	55.186	13.199	16.525	--	5373.12 3860.36	1206.37 1130.97	0.00	369.71
2	23.942	55.186	13.199	16.525	--	5373.12 3860.36	1206.37 1130.97	0.00	369.71

Verifica stabilità globale muro + terreno

Simbologia adottata

Ic	Indice/Tipo combinazione
C	Centro superficie di scorrimento, espresso in [m]

RELAZIONE DI CALCOLO

R Raggio, espresso in [m]
FS Fattore di sicurezza

Ic	C	R	FS
	[m]	[m]	
3 - GEO (A2-M2-R2)	-2.00; 3.50	10.22	5.605
4 - GEO (A2-M2-R2) H	-1.50; 4.50	24.88	2.060

Dettagli strisce verifiche stabilità

Simbologia adottata

Le ascisse X sono considerate positive verso monte
Le ordinate Y sono considerate positive verso l'alto
Origine in testa al muro (spigolo contro terra)
W peso della striscia espresso in [kN]
Qy carico sulla striscia espresso in [kN]
Qf carico acqua sulla striscia espresso in [kN]
 α angolo fra la base della striscia e l'orizzontale espresso in [°] (positivo antiorario)
 ϕ angolo d'attrito del terreno lungo la base della striscia
c coesione del terreno lungo la base della striscia espressa in [kPa]
b larghezza della striscia espressa in [m]
u pressione neutra lungo la base della striscia espressa in [kPa]
Tx; Ty Resistenza al taglio fornita dai tiranti in direzione X ed Y espressa in [kPa]

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
1	8.91	0.00	0.00	7.61 - 0.66	65.219	29.256	0	0.0	
2	24.34	0.00	0.00	0.66	57.721	29.256	0	0.0	
3	35.99	0.00	0.00	0.66	51.311	29.256	0	0.0	
4	45.34	0.00	0.00	0.66	45.714	29.256	0	0.0	
5	53.09	0.00	0.00	0.66	40.639	29.256	0	0.0	
6	59.60	0.00	0.00	0.66	35.927	29.256	0	0.0	
7	65.48	0.00	0.00	0.66	31.484	19.605	24	0.0	
8	72.63	0.00	0.00	0.66	27.244	19.605	24	0.0	
9	76.30	0.00	0.00	0.66	23.160	19.605	24	0.0	
10	79.33	0.00	0.00	0.66	19.199	19.605	24	0.0	
11	81.75	0.00	0.00	0.66	15.331	19.605	24	0.0	
12	93.52	0.00	0.00	0.66	11.534	19.605	24	0.0	
13	34.49	0.00	0.00	0.66	7.788	19.605	24	0.0	
14	31.22	0.00	0.00	0.66	4.075	19.605	24	0.0	
15	31.53	0.00	0.00	0.66	0.379	19.605	24	0.0	
16	31.33	0.00	0.00	0.66	-3.315	19.605	24	0.0	
17	30.62	0.00	0.00	0.66	-7.023	19.605	24	0.0	
18	29.40	0.00	0.00	0.66	-10.761	19.605	24	0.0	
19	27.65	0.00	0.00	0.66	-14.546	19.605	24	0.0	
20	25.34	0.00	0.00	0.66	-18.397	19.605	24	0.0	
21	22.44	0.00	0.00	0.66	-22.338	19.605	24	0.0	
22	18.91	0.00	0.00	0.66	-26.393	19.605	24	0.0	
23	14.67	0.00	0.00	0.66	-30.598	19.605	24	0.0	
24	9.54	0.00	0.00	0.66	-34.995	19.605	24	0.0	
25	3.26	0.00	0.00	-8.84 - 0.66	-39.009	19.605	24	0.0	

Resistenza al taglio pali 737.33 [kN]

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
1	108.53	0.00	0.00	22.98 - 1.91	72.250	29.256	0	0.0	
2	274.00	0.00	0.00	1.91	60.603	19.605	24	0.0	
3	375.43	0.00	0.00	1.91	52.489	19.605	24	0.0	
4	452.16	0.00	0.00	1.91	45.712	19.605	24	0.0	
5	513.30	0.00	0.00	1.91	39.691	19.605	24	0.0	
6	563.02	0.00	0.00	1.91	34.163	19.605	24	0.0	
7	603.65	0.00	0.00	1.91	28.980	19.605	24	0.0	
8	636.61	0.00	0.00	1.91	24.047	19.605	24	0.0	
9	662.86	0.00	0.00	1.91	19.299	19.605	24	0.0	
10	683.04	0.00	0.00	1.91	14.686	19.605	24	0.0	
11	698.09	0.00	0.00	1.91	10.169	19.605	24	0.0	
12	719.28	0.00	0.00	1.91	5.715	19.605	24	0.0	
13	598.16	0.00	0.00	1.91	1.296	19.605	24	0.0	
14	560.72	0.00	0.00	1.91	-3.115	19.605	24	0.0	
15	554.56	0.00	0.00	1.91	-7.545	19.605	24	0.0	
16	543.17	0.00	0.00	1.91	-12.021	19.605	24	0.0	
17	526.35	0.00	0.00	1.91	-16.574	19.605	24	0.0	
18	503.73	0.00	0.00	1.91	-21.237	19.605	24	0.0	
19	474.81	0.00	0.00	1.91	-26.055	19.605	24	0.0	
20	438.82	0.00	0.00	1.91	-31.081	19.605	24	0.0	
21	394.66	0.00	0.00	1.91	-36.393	19.605	24	0.0	
22	340.59	0.00	0.00	1.91	-42.102	19.605	24	0.0	
23	273.69	0.00	0.00	1.91	-48.392	19.605	24	0.0	
24	188.42	0.00	0.00	1.91	-55.616	19.605	24	0.0	
25	70.39	0.00	0.00	-24.86 - 1.91	-64.553	19.605	24	0.0	

Resistenza al taglio pali 737.33 [kN]

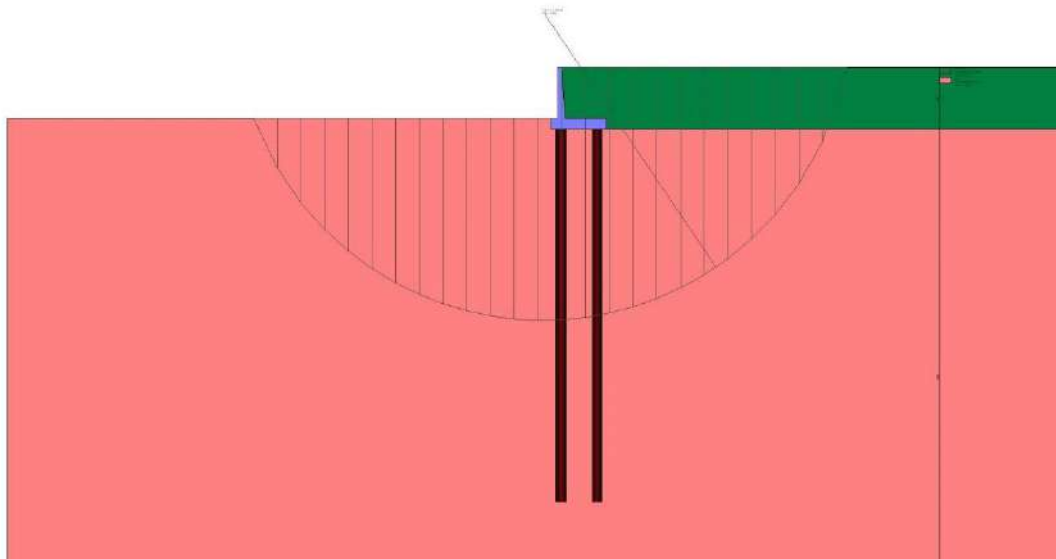


Fig. 4 - Stabilità fronte di scavo - Cerchio critico (Combinazione n° 4)

Sollecitazioni

Elementi calcolati a trave

Simbologia adottata

- n° Indice della sezione
X Posizione della sezione, espresso in [m]
N Sforzo normale, espresso in [kN]. Positivo se di compressione.
T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

La posizione delle sezioni di verifica fanno riferimento al sistema di riferimento globale la cui origine è nello spigolo in alto a destra del paramento.

Elementi calcolati a piastra

Simbologia adottata

- Mx, My Momenti flettenti, espresso in [kNm]
Mxy Momento torcente, espresso in [kNm]. Positivo se diretto da monte verso valle
Tx, Ty Tagli, espresso in [kN]. Positivo se tende le fibre contro terra (a monte)
I momenti flettenti sono positivi se tendono le fibre inferiori (intradosso fondazione, paramento esterno)

Paramento

n°	X [m]	N _{min} [kN]	N _{max} [kN]	T _{min} [kN]	T _{max} [kN]	M _{min} [kNm]	M _{max} [kNm]
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-0.10	0.74	0.74	0.57	2.95	0.03	0.15
3	-0.20	1.51	1.51	1.18	5.96	0.12	0.60
4	-0.30	2.29	2.29	1.85	9.02	0.28	1.35
5	-0.40	3.09	3.09	2.55	12.13	0.51	2.42
6	-0.50	3.90	3.90	3.31	15.30	0.81	3.80
7	-0.60	4.74	4.74	4.11	18.52	1.20	5.51
8	-0.70	5.59	5.59	4.96	21.79	1.67	7.54
9	-0.80	6.46	6.46	5.85	25.12	2.23	9.91
10	-0.90	7.35	7.35	6.79	28.50	2.89	12.62
11	-1.00	8.26	8.26	7.77	31.93	3.65	15.67
12	-1.10	9.18	9.18	8.81	35.42	4.51	19.07
13	-1.20	10.12	10.12	9.89	38.96	5.48	22.82
14	-1.30	11.08	11.08	11.01	42.55	6.56	26.93
15	-1.40	12.06	12.06	12.18	46.20	7.76	31.41
16	-1.50	13.06	13.06	13.40	49.90	9.09	36.26
17	-1.60	14.07	14.07	14.67	53.66	10.54	41.49
18	-1.70	15.11	15.11	15.98	57.46	12.13	47.10
19	-1.80	16.16	16.16	17.34	61.32	13.85	53.10

RELAZIONE DI CALCOLO

n°	X [m]	Nmin [kN]	Nmax [kN]	Tmin [kN]	Tmax [kN]	Mmin [kNm]	Mmax [kNm]
20	-1.90	17.22	17.22	18.74	65.24	15.71	59.49
21	-2.00	18.31	18.31	20.19	69.21	17.72	66.27
22	-2.10	19.42	19.42	21.69	73.23	19.89	73.46
23	-2.20	20.54	20.54	23.23	77.30	22.21	81.06
24	-2.30	21.68	21.68	24.82	81.43	24.69	89.08
25	-2.40	22.84	22.84	26.45	85.61	27.33	97.51
26	-2.50	24.01	24.01	28.14	89.85	30.15	106.37
27	-2.60	25.21	25.21	29.86	94.14	33.14	115.66
28	-2.70	26.42	26.42	31.64	98.48	36.31	125.38
29	-2.80	27.65	27.65	33.46	102.87	39.66	135.55
30	-2.90	28.90	28.90	35.33	107.32	43.20	146.16
31	-3.00	30.17	30.17	37.24	111.82	46.94	157.23
32	-3.10	31.45	31.45	39.20	116.38	50.87	168.75
33	-3.20	32.75	32.75	41.21	120.99	55.01	180.74
34	-3.30	34.08	34.08	43.26	125.65	59.36	193.19
35	-3.40	35.41	35.41	45.36	130.37	63.92	206.12
36	-3.50	36.77	36.77	47.51	135.14	68.69	219.53
37	-3.60	38.15	38.15	49.70	139.96	73.69	233.42
38	-3.70	39.54	39.54	51.94	144.83	78.91	247.80
39	-3.80	40.95	40.95	54.23	149.76	84.37	262.68
40	-3.90	42.38	42.38	56.56	154.75	90.06	278.05
41	-4.00	43.82	43.82	58.94	159.78	95.99	293.94
42	-4.10	45.29	45.29	61.36	164.87	102.17	310.33

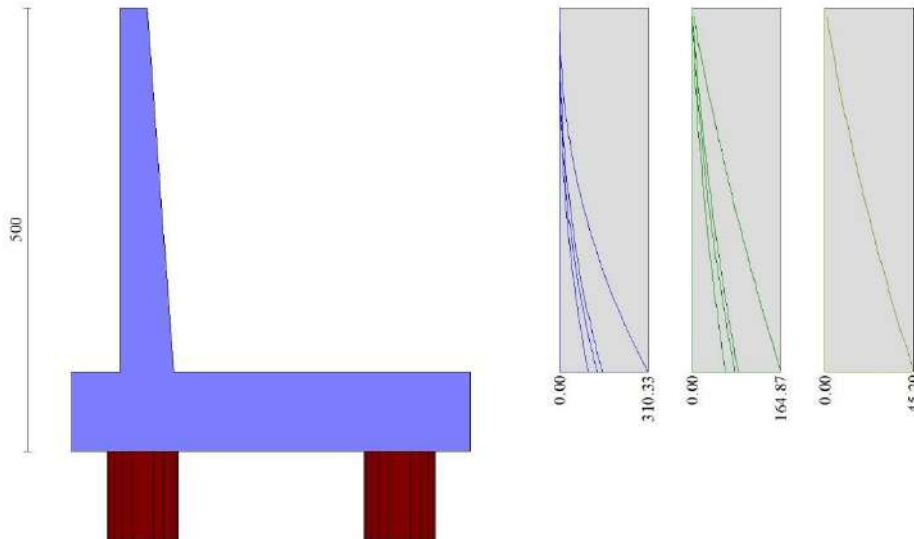


Fig. 5 - Paramento

Piastra fondazione

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
1	0.35	-0.08	-0.04	0.52	5.60	MAX
	0.35	-0.08	-0.04	0.52	5.60	MIN
2	0.02	0.15	-0.05	0.22	5.96	MAX
	0.02	0.15	-0.05	0.22	5.96	MIN
3	-0.94	-3.12	-0.05	0.00	5.96	MAX
	-0.94	-3.12	-0.05	0.00	5.96	MIN
4	-0.98	-3.28	-0.14	0.00	5.60	MAX
	-0.98	-3.28	-0.14	0.00	5.60	MIN
5	0.13	0.06	0.07	-0.02	5.98	MAX
	0.13	0.06	0.07	-0.02	5.98	MIN
6	-1.00	-3.34	-0.38	0.00	5.99	MAX
	-1.00	-3.34	-0.38	0.00	5.99	MIN
7	-0.20	-0.67	17.46	0.00	-109.85	MAX
	-205.05	-683.50	-1.48	0.00	-514.25	MIN
8	-0.79	-2.64	59.00	0.00	-135.10	MAX
	-196.44	-654.79	-6.91	0.00	-368.21	MIN
9	-0.79	-2.64	59.00	0.00	-135.10	MAX
	-196.44	-654.79	-6.91	0.00	-368.21	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
10	0.17	-0.01	0.04	0.11	6.36	MAX
	0.17	-0.01	0.04	0.11	6.36	MIN
11	-1.07	-3.56	0.04	0.00	6.36	MAX
	-1.07	-3.56	0.04	0.00	6.36	MIN
12	5.22	56.65	5.46	67.23	-85.19	MAX
	-50.03	-410.98	0.46	-2.12	-474.49	MIN
13	5.85	58.66	13.07	80.18	-106.22	MAX
	2.51	-408.52	-3.77	-3.00	-417.15	MIN
14	-0.97	-3.23	4.22	0.00	-110.46	MAX
	-205.62	-685.39	1.53	0.00	-512.45	MIN
15	9.58	53.90	6.63	38.50	-87.51	MAX
	-102.00	-420.44	-1.44	0.88	-480.29	MIN
16	-4.44	-14.79	4.46	0.00	-118.99	MAX
	-200.98	-669.93	-3.97	0.00	-485.11	MIN
17	11.83	46.02	7.87	15.66	-94.96	MAX
	-123.40	-422.33	-6.44	5.01	-456.26	MIN
18	-0.09	-0.03	0.04	0.09	6.11	MAX
	-0.09	-0.03	0.04	0.09	6.11	MIN
19	-1.01	-3.36	0.01	0.00	6.11	MAX
	-1.01	-3.36	0.01	0.00	6.11	MIN
20	-8.53	-28.42	4.41	0.00	-128.57	MAX
	-196.37	-654.55	-3.21	0.00	-459.24	MIN
21	11.97	36.48	7.60	9.58	-103.35	MAX
	-130.93	-419.10	-4.75	3.72	-429.05	MIN
22	6.71	93.77	3.14	26.30	-36.52	MAX
	-12.76	-197.39	-9.04	-6.45	-406.79	MIN
23	2.08	92.60	-0.78	16.99	-42.67	MAX
	-3.85	-194.68	-23.40	-5.79	-469.37	MIN
24	14.44	92.02	8.85	36.99	-42.07	MAX
	-31.23	-195.44	-8.35	-5.03	-432.28	MIN
25	21.38	83.38	12.94	34.55	-47.36	MAX
	-57.43	-205.32	-7.05	-0.90	-400.98	MIN
26	25.38	73.39	11.77	16.58	-53.40	MAX
	-75.93	-211.65	-4.08	3.14	-356.75	MIN
27	-0.07	-0.02	-0.02	-0.08	6.10	MAX
	-0.07	-0.02	-0.02	-0.08	6.10	MIN
28	-1.01	-3.36	-0.01	0.00	6.10	MAX
	-1.01	-3.36	-0.01	0.00	6.10	MIN
29	-11.86	-39.52	3.53	0.00	-135.71	MAX
	-194.79	-649.30	-0.46	0.00	-451.50	MIN
30	10.48	28.99	5.77	8.54	-109.89	MAX
	-130.60	-417.90	-0.16	-4.13	-422.36	MIN
31	25.33	68.54	6.91	6.29	-58.57	MAX
	-76.30	-213.43	0.59	-9.71	-352.25	MIN
32	14.19	104.77	1.83	-9.63	17.82	MAX
	1.46	5.42	-18.01	-21.94	-361.31	MIN
33	-5.97	91.78	1.84	-10.16	30.94	MAX
	-6.51	-11.39	-18.93	-31.33	-370.23	MIN
34	34.22	116.41	13.46	23.56	-6.62	MAX
	11.85	33.97	-7.03	-11.20	-474.89	MIN
35	22.75	95.19	23.74	67.69	5.88	MAX
	-2.29	-20.79	4.83	-8.19	-341.54	MIN
36	34.07	80.79	16.63	40.30	-6.54	MAX
	-37.29	-50.21	-1.70	-1.96	-246.09	MIN
37	35.26	78.04	7.17	4.54	-10.41	MAX
	-37.82	-53.33	1.29	-30.16	-244.65	MIN
38	0.14	-0.01	-0.03	-0.09	6.27	MAX
	0.14	-0.01	-0.03	-0.09	6.27	MIN
39	-1.05	-3.50	-0.03	0.00	6.27	MAX
	-1.05	-3.50	-0.03	0.00	6.27	MIN
40	-14.18	-47.27	2.78	0.00	-140.16	MAX
	-196.02	-653.39	0.79	0.00	-459.07	MIN
41	8.23	24.18	4.37	8.00	-114.33	MAX
	-125.58	-419.72	1.62	-5.88	-434.76	MIN
42	22.49	69.24	4.58	6.94	-62.69	MAX
	-61.69	-211.67	2.62	-18.34	-389.10	MIN
43	27.16	86.48	-0.52	7.06	-5.26	MAX
	-5.12	-31.56	-6.15	-53.69	-335.77	MIN
44	33.79	118.02	-4.68	-14.48	63.91	MAX
	-20.25	46.80	-29.23	-147.58	-169.71	MIN
45	18.52	114.20	-1.86	0.62	88.55	MAX
	7.22	60.24	-25.81	-155.23	-152.76	MIN
46	143.59	431.55	16.89	10.68	70.02	MAX
	8.82	174.75	1.86	-20.24	-892.27	MIN
47	23.74	70.81	36.10	165.96	50.27	MAX
	5.10	38.24	28.00	-18.31	-126.94	MIN
48	47.83	68.67	21.49	87.50	28.11	MAX
	-10.48	48.18	8.98	-13.35	-118.36	MIN
49	49.49	67.16	5.91	10.77	25.40	MAX
	-11.35	44.68	-5.18	-76.06	-119.16	MIN
50	23.09	61.60	-8.08	13.48	42.71	MAX
	9.62	33.82	-24.59	-156.45	-129.41	MIN
51	0.04	0.02	-0.06	0.04	5.99	MAX
	0.04	0.02	-0.06	0.04	5.99	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
52	-1.00	-3.34	0.29	0.00	6.01	MAX
	-1.00	-3.34	0.29	0.00	6.01	MIN
53	-1.00	-3.34	0.29	0.00	6.01	MAX
	-1.00	-3.34	0.29	0.00	6.01	MIN
54	-16.14	-53.79	2.54	0.00	-143.17	MAX
	-196.84	-656.15	-0.46	0.00	-464.42	MIN
55	6.22	19.74	4.36	7.03	-117.69	MAX
	-122.23	-420.49	-0.64	-1.08	-443.76	MIN
56	20.23	69.19	6.23	5.90	-67.31	MAX
	-51.67	-208.00	-0.51	-0.45	-417.93	MIN
57	27.43	103.35	8.01	4.43	-25.18	MAX
	17.72	15.55	-0.14	0.18	-478.81	MIN
58	149.97	401.43	9.07	3.10	57.69	MAX
	23.44	163.33	0.37	0.49	-879.97	MIN
59	-18.19	-60.64	2.37	0.00	-145.70	MAX
	-195.31	-651.02	-1.87	0.00	-456.66	MIN
60	4.82	13.66	4.44	5.89	-119.74	MAX
	-124.54	-418.60	-3.11	3.71	-432.38	MIN
61	19.71	61.55	7.97	17.85	-67.67	MAX
	-60.58	-211.97	-3.76	4.47	-387.05	MIN
62	24.93	81.33	16.63	54.59	-9.52	MAX
	-4.11	-32.81	5.89	0.87	-334.51	MIN
63	23.77	60.10	27.30	157.99	39.35	MAX
	7.45	30.60	25.55	-8.59	-129.13	MIN
64	7.00	148.34	-23.32	170.19	73.84	MAX
	3.50	28.33	-134.58	-181.74	56.48	MIN
65	3.96	108.06	16.84	32.14	97.58	MAX
	-5.92	27.80	12.41	-49.45	47.67	MIN
66	155.03	235.40	13.71	-2.15	-209.34	MAX
	-158.79	-107.11	-8.76	-10.61	-935.28	MIN
67	38.05	112.89	132.19	172.60	93.23	MAX
	2.32	38.65	51.42	-183.35	71.28	MIN
68	49.55	60.47	16.44	27.75	39.10	MAX
	1.12	35.67	3.27	-29.16	-11.79	MIN
69	51.86	58.36	10.92	20.49	37.66	MAX
	0.40	35.07	2.80	-21.45	-13.22	MIN
70	45.03	105.20	-22.91	168.42	83.38	MAX
	1.20	36.82	-119.88	-162.32	64.38	MIN
71	155.33	221.31	9.12	1.23	-204.26	MAX
	-139.85	-104.70	0.77	0.39	-909.63	MIN
72	43.48	104.10	121.69	163.45	82.94	MAX
	1.39	35.43	41.28	-167.51	62.03	MIN
73	-0.15	0.04	0.00	-0.02	5.92	MAX
	-0.15	0.04	0.00	-0.02	5.92	MIN
74	-0.95	-3.17	-0.01	0.00	5.92	MAX
	-0.95	-3.17	-0.01	0.00	5.92	MIN
75	-20.00	-66.68	1.75	0.00	-147.60	MAX
	-193.09	-643.63	-1.10	0.00	-445.07	MIN
76	3.88	7.92	3.22	4.71	-121.39	MAX
	-128.53	-415.52	-1.93	2.36	-416.21	MIN
77	20.24	53.32	5.82	10.78	-68.97	MAX
	-74.32	-214.46	-2.09	3.84	-347.37	MIN
78	31.45	67.92	9.17	33.24	-19.14	MAX
	-36.16	-56.52	-1.46	1.73	-241.91	MIN
79	46.68	61.27	12.59	79.26	18.62	MAX
	-10.26	41.10	6.63	-7.73	-118.78	MIN
80	-1.00	-3.32	-0.01	0.00	6.02	MAX
	-1.00	-3.32	-0.01	0.00	6.02	MIN
81	49.58	55.76	7.82	23.67	32.84	MAX
	0.53	32.04	0.02	-21.55	-14.63	MIN
82	0.01	0.00	-0.03	-0.08	6.02	MAX
	0.01	0.00	-0.03	-0.08	6.02	MIN
83	30.82	126.05	3.16	77.88	57.43	MAX
	-33.96	4.84	-48.38	71.16	16.72	MIN
84	-9.13	40.53	3.54	74.57	139.36	MAX
	-39.37	3.94	-22.35	57.09	69.72	MIN
85	-84.38	-86.42	13.89	4.94	-340.13	MAX
	-88.32	-344.24	8.98	-26.74	-439.04	MIN
86	39.55	126.73	61.31	-79.51	82.19	MAX
	-3.58	12.95	20.59	-120.95	43.05	MIN
87	49.50	27.61	18.60	-35.14	45.00	MAX
	4.22	14.59	14.17	-63.82	28.15	MIN
88	51.84	26.85	5.89	40.93	42.87	MAX
	3.96	14.47	-12.83	32.87	27.00	MIN
89	34.58	120.23	-0.58	97.99	77.06	MAX
	4.42	12.36	-54.10	76.66	40.60	MIN
90	-73.20	-83.64	6.57	-0.34	-331.08	MAX
	-89.03	-329.64	0.66	-4.37	-434.10	MIN
91	34.37	119.70	55.69	-77.37	76.44	MAX
	2.93	11.88	13.84	-106.10	39.20	MIN
92	49.74	25.66	15.13	-33.43	41.32	MAX
	3.27	13.56	7.65	-51.07	24.21	MIN
93	-20.99	-69.98	0.99	0.00	-148.31	MAX
	-193.06	-643.54	0.84	0.00	-445.05	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
94	2.83 -128.41	5.01 -415.45	1.78 1.35	3.59 -2.86	-122.17 -416.17	MAX MIN
95	19.17 -74.14	50.96 -214.47	2.00 0.97	4.11 -11.21	-69.84 -347.28	MAX MIN
96	-1.01 -1.01	-3.35 -3.35	-0.01 -0.01	0.00 0.00	6.10 6.10	MAX MIN
97	30.33 -35.95	66.17 -56.61	1.53 -0.21	5.03 -33.53	-20.03 -241.83	MAX MIN
98	45.49 -10.05	60.13 40.98	-2.22 -6.33	13.20 -79.45	17.80 -118.76	MAX MIN
99	-0.04 -0.04	-0.01 -0.01	-0.03 -0.03	-0.07 -0.07	6.10 6.10	MAX MIN
100	48.31 0.69	55.66 31.45	2.63 0.46	24.96 -23.92	32.15 -14.66	MAX MIN
101	48.40 3.40	25.61 13.33	-0.15 -14.71	49.20 32.76	41.27 23.77	MAX MIN
102	24.85 -28.42	31.18 4.83	0.62 -36.59	138.16 29.96	6.26 -30.94	MAX MIN
103	52.08 -3.24	37.25 -2.36	3.63 -4.36	161.40 53.20	145.67 55.55	MAX MIN
104	-35.67 -57.00	-12.73 -87.55	9.40 6.72	-50.60 -79.25	-127.89 -258.71	MAX MIN
105	11.19 -8.02	29.24 4.75	49.77 16.20	-171.81 -231.61	32.59 -8.27	MAX MIN
106	47.22 16.96	16.74 2.80	9.86 9.17	-116.93 -130.28	54.39 28.24	MAX MIN
107	49.03 15.64	15.45 2.72	4.04 -5.40	102.92 14.45	51.90 27.02	MAX MIN
108	8.65 -0.32	29.15 4.61	-2.49 -43.94	199.33 69.86	32.33 -6.92	MAX MIN
109	-44.20 -48.28	-12.04 -88.06	4.31 0.48	-3.41 -28.97	-130.29 -264.00	MAX MIN
110	8.35 -1.76	28.92 4.51	45.02 11.19	-129.10 -207.10	31.79 -7.79	MAX MIN
111	46.13 14.98	15.29 2.59	7.12 4.95	-77.74 -114.64	50.78 25.43	MAX MIN
112	44.79 15.10	15.27 2.53	-0.12 -6.82	112.04 47.92	50.73 25.14	MAX MIN
113	-21.23 -195.20	-70.77 -650.65	1.67 0.42	0.00 0.00	-148.05 -456.49	MAX MIN
114	1.65 -124.14	4.80 -418.33	2.83 0.43	2.69 -4.41	-122.25 -432.13	MAX MIN
115	-1.05 -1.05	-3.51 -3.51	-0.03 -0.03	0.00 0.00	6.28 6.28	MAX MIN
116	16.51 -60.01	54.41 -212.01	3.56 -0.80	3.55 -18.32	-70.43 -386.68	MAX MIN
117	21.63 -3.44	76.06 -33.12	-5.86 -7.60	5.74 -54.78	-12.30 -334.21	MAX MIN
118	0.14 0.14	0.00 0.00	-0.03 -0.03	-0.08 -0.08	6.28 6.28	MAX MIN
119	24.40 4.02	59.67 27.25	-15.53 -25.20	13.78 -158.01	36.81 -129.03	MAX MIN
120	39.78 1.87	103.76 33.66	-30.40 -121.09	170.51 -163.54	82.82 60.07	MAX MIN
121	34.72 -0.97	119.53 11.20	-6.02 -55.17	103.63 76.75	76.26 37.90	MAX MIN
122	8.67 -5.66	28.85 4.33	-6.14 -44.65	204.09 97.30	31.63 -8.65	MAX MIN
123	-21.45 -196.52	-71.49 -655.08	0.58 0.03	0.00 0.00	-147.80 -463.64	MAX MIN
124	0.86 -121.40	4.52 -419.84	1.04 0.04	2.04 0.02	-122.54 -442.85	MAX MIN
125	0.86 -121.40	4.52 -419.84	1.04 0.04	2.04 0.02	-122.54 -442.85	MAX MIN
126	14.94 -50.57	57.10 -208.13	1.60 0.07	2.14 -0.02	-72.42 -416.93	MAX MIN
127	28.63 12.53	94.53 14.81	2.18 0.09	1.99 -0.04	-30.16 -478.08	MAX MIN
128	151.04 17.99	400.47 157.68	2.55 0.12	1.77 -0.06	53.25 -879.75	MAX MIN
129	156.06 -145.59	220.56 -107.58	2.58 0.13	1.31 -0.09	-207.85 -909.90	MAX MIN
130	-79.22 -88.60	-84.74 -330.00	1.85 0.10	-0.04 -0.19	-333.35 -434.50	MAX MIN
131	-47.89 -52.54	-12.32 -88.18	1.18 0.07	-0.63 -6.79	-131.75 -264.35	MAX MIN
132	0.04 0.04	0.02 0.02	-0.06 -0.06	0.05 0.05	5.99 5.99	MAX MIN
133	-1.00 -1.00	-3.34 -3.34	0.29 0.29	0.00 0.00	6.01 6.01	MAX MIN
134	-22.11 -195.24	-73.69 -650.81	0.79 -1.63	0.00 0.00	-148.19 -456.64	MAX MIN
135	0.60 -124.12	2.00 -418.42	1.74 -2.76	4.41 1.53	-122.51 -432.25	MAX MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
136	15.31 -59.94	51.96 -212.07	4.14 -3.44	18.27 0.82	-70.91 -386.76	MAX MIN
137	20.25 -3.33	74.11 -33.17	11.72 6.04	54.68 -1.71	-12.93 -334.26	MAX MIN
138	24.54 2.53	59.63 25.97	25.43 20.80	157.88 -10.22	36.10 -129.07	MAX MIN
139	37.99 2.01	103.73 32.92	121.36 35.73	163.35 -167.92	82.79 59.44	MAX MIN
140	34.86 -2.91	119.51 10.89	55.38 9.84	-77.13 -103.82	76.23 37.43	MAX MIN
141	8.81 -7.62	28.85 4.24	44.80 8.58	-111.48 -205.39	31.61 -8.98	MAX MIN
142	-0.15 -0.15	0.04 0.04	0.00 0.00	-0.02 -0.02	5.92 5.92	MAX MIN
143	-0.95 -0.95	-3.17 -3.17	-0.01 -0.01	0.00 0.00	5.92 5.92	MAX MIN
144	-22.83 -193.14	-76.10 -643.80	0.52 -0.98	0.00 0.00	-148.77 -445.32	MAX MIN
145	0.67 -128.34	-0.81 -415.59	1.08 -1.77	2.75 1.04	-122.84 -416.38	MAX MIN
146	16.73 -73.97	45.93 -214.57	2.72 -1.94	11.08 0.55	-70.92 -347.40	MAX MIN
147	27.55 -35.69	62.19 -56.72	5.13 -1.40	33.40 -0.86	-21.41 -241.90	MAX MIN
148	-1.00 -1.00	-3.32 -3.32	-0.01 -0.01	0.00 0.00	6.02 6.02	MAX MIN
149	42.34 -9.75	57.39 40.87	8.18 6.55	79.32 -9.63	16.30 -118.82	MAX MIN
150	44.75 1.00	55.58 30.01	3.21 -0.18	23.74 -22.49	30.73 -14.73	MAX MIN
151	44.56 3.68	25.57 12.72	14.95 4.34	-33.16 -49.73	41.21 22.83	MAX MIN
152	40.91 15.38	15.26 2.34	6.99 2.81	-63.90 -113.48	50.68 24.48	MAX MIN
153	0.01 0.01	0.00 0.00	-0.03 -0.03	-0.08 -0.08	6.02 6.02	MAX MIN
154	-22.99 -193.16	-76.62 -643.86	1.02 -0.09	0.00 0.00	-148.72 -445.35	MAX MIN
155	0.46 -128.35	-1.34 -415.62	1.83 -0.30	0.58 -2.67	-122.82 -416.41	MAX MIN
156	-1.01 -1.01	-3.35 -3.35	-0.01 -0.01	0.00 0.00	6.10 6.10	MAX MIN
157	16.48 -73.96	45.43 -214.60	2.04 -1.48	1.24 -11.04	-70.95 -347.42	MAX MIN
158	27.25 -35.68	61.78 -56.73	1.52 -3.42	2.60 -33.40	-21.49 -241.92	MAX MIN
159	41.97 -9.73	57.09 40.86	-5.97 -6.41	11.25 -79.34	16.18 -118.83	MAX MIN
160	-0.04 -0.04	-0.01 -0.01	-0.03 -0.03	-0.07 -0.07	6.10 6.10	MAX MIN
161	44.33 1.01	55.58 29.85	0.32 -1.14	23.76 -23.80	30.59 -14.74	MAX MIN
162	44.10 3.70	25.57 12.65	-2.85 -14.84	49.91 33.01	41.20 22.73	MAX MIN
163	40.44 15.40	15.26 2.32	-1.87 -6.92	112.91 58.73	50.68 24.41	MAX MIN
164	-22.59 -195.29	-75.30 -650.97	1.66 -0.32	0.00 0.00	-148.06 -456.75	MAX MIN
165	-0.03 -124.14	0.35 -418.53	2.82 -0.87	0.23 -4.35	-122.46 -432.35	MAX MIN
166	-1.05 -1.05	-3.51 -3.51	-0.03 -0.03	0.00 0.00	6.28 6.28	MAX MIN
167	14.54 -59.93	50.45 -212.14	3.53 -2.78	1.08 -18.24	-71.03 -386.84	MAX MIN
168	0.14 0.14	0.00 0.00	-0.03 -0.03	-0.08 -0.08	6.28 6.28	MAX MIN
169	19.32 -3.30	72.86 -33.21	-5.92 -10.02	3.54 -54.69	-13.21 -334.32	MAX MIN
170	24.59 1.50	59.61 25.13	-18.60 -25.30	11.90 -157.92	35.72 -129.12	MAX MIN
171	36.71 2.07	103.72 32.40	-33.49 -121.22	169.21 -163.43	82.76 59.07	MAX MIN
172	34.92 -4.31	119.51 10.68	-8.24 -55.28	103.92 76.97	76.22 37.14	MAX MIN
173	8.87 -9.03	28.85 4.17	-7.56 -44.73	204.81 105.77	31.60 -9.19	MAX MIN
174	-22.32 -196.60	-74.39 -655.34	0.00 0.00	0.00 0.00	-147.67 -463.83	MAX MIN
175	-0.25 -121.42	1.60 -420.01	0.00 0.00	0.00 0.00	-122.55 -443.03	MAX MIN
176	-0.25 -121.42	1.60 -420.01	0.00 0.00	0.00 0.00	-122.55 -443.03	MAX MIN
177	13.61 -50.54	54.45 -208.23	0.00 0.00	0.00 0.00	-72.71 -417.06	MAX MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
178	28.70	92.35	0.00	0.00	-30.70	MAX
	11.06	14.75	0.00	0.00	-478.17	MIN
179	151.14	400.43	0.00	0.00	52.56	MAX
	16.12	156.13	0.00	0.00	-879.82	MIN
180	156.17	220.54	0.00	0.00	-208.58	MAX
	-147.75	-108.46	0.00	0.00	-909.95	MIN
181	-81.58	-85.10	0.00	0.00	-333.91	MAX
	-88.48	-330.01	0.00	0.00	-434.53	MIN
182	-47.77	-12.44	0.00	0.00	-132.14	MAX
	-54.79	-88.18	0.00	0.00	-264.36	MIN
183	0.04	0.02	-0.06	0.05	5.99	MAX
	0.04	0.02	-0.06	0.05	5.99	MIN
184	-1.00	-3.34	0.29	0.00	6.01	MAX
	-1.00	-3.34	0.29	0.00	6.01	MIN
185	-22.59	-75.30	0.32	0.00	-148.06	MAX
	-195.29	-650.97	-1.66	0.00	-456.75	MIN
186	-0.03	0.35	0.87	4.35	-122.46	MAX
	-124.14	-418.53	-2.82	-0.23	-432.35	MIN
187	14.54	50.45	2.78	18.24	-71.03	MAX
	-59.93	-212.14	-3.53	-1.08	-386.84	MIN
188	19.32	72.86	10.02	54.69	-13.21	MAX
	-3.30	-33.21	5.92	-3.54	-334.32	MIN
189	24.59	59.61	25.30	157.92	35.72	MAX
	1.50	25.13	18.60	-11.90	-129.12	MIN
190	36.71	103.72	121.22	163.43	82.76	MAX
	2.07	32.40	33.49	-169.21	59.07	MIN
191	34.92	119.51	55.28	-76.97	76.22	MAX
	-4.31	10.68	8.24	-103.92	37.14	MIN
192	8.87	28.85	44.73	-105.77	31.60	MAX
	-9.03	4.17	7.56	-204.81	-9.19	MIN
193	-0.15	0.04	0.00	-0.02	5.92	MAX
	-0.15	0.04	0.00	-0.02	5.92	MIN
194	-0.95	-3.17	-0.01	0.00	5.92	MAX
	-0.95	-3.17	-0.01	0.00	5.92	MIN
195	-22.99	-76.62	0.09	0.00	-148.72	MAX
	-193.16	-643.86	-1.02	0.00	-445.35	MIN
196	0.46	-1.34	0.30	2.67	-122.82	MAX
	-128.35	-415.62	-1.83	-0.58	-416.41	MIN
197	16.48	45.43	1.48	11.04	-70.95	MAX
	-73.96	-214.60	-2.04	-1.24	-347.42	MIN
198	27.25	61.78	3.42	33.40	-21.49	MAX
	-35.68	-56.73	-1.52	-2.60	-241.92	MIN
199	-1.00	-3.32	-0.01	0.00	6.02	MAX
	-1.00	-3.32	-0.01	0.00	6.02	MIN
200	41.97	57.09	6.41	79.34	16.18	MAX
	-9.73	40.86	5.97	-11.25	-118.83	MIN
201	44.33	55.58	1.14	23.80	30.59	MAX
	1.01	29.85	-0.32	-23.76	-14.74	MIN
202	44.10	25.57	14.84	-33.01	41.20	MAX
	3.70	12.65	2.85	-49.91	22.73	MIN
203	40.44	15.26	6.92	-58.73	50.68	MAX
	15.40	2.32	1.87	-112.91	24.41	MIN
204	0.01	0.00	-0.03	-0.08	6.02	MAX
	0.01	0.00	-0.03	-0.08	6.02	MIN
205	-22.83	-76.10	0.98	0.00	-148.77	MAX
	-193.14	-643.80	-0.52	0.00	-445.32	MIN
206	0.67	-0.81	1.77	-1.04	-122.84	MAX
	-128.34	-415.59	-1.08	-2.75	-416.38	MIN
207	-1.01	-3.35	-0.01	0.00	6.10	MAX
	-1.01	-3.35	-0.01	0.00	6.10	MIN
208	16.73	45.93	1.94	-0.55	-70.92	MAX
	-73.97	-214.57	-2.72	-11.08	-347.40	MIN
209	27.55	62.19	1.40	0.86	-21.41	MAX
	-35.69	-56.72	-5.13	-33.40	-241.90	MIN
210	42.34	57.39	-6.55	9.63	16.30	MAX
	-9.75	40.87	-8.18	-79.32	-118.82	MIN
211	-0.04	-0.01	-0.03	-0.07	6.10	MAX
	-0.04	-0.01	-0.03	-0.07	6.10	MIN
212	44.75	55.58	0.18	22.49	30.73	MAX
	1.00	30.01	-3.21	-23.74	-14.73	MIN
213	44.56	25.57	-4.34	49.73	41.21	MAX
	3.68	12.72	-14.95	33.16	22.83	MIN
214	40.91	15.26	-2.81	113.48	50.68	MAX
	15.38	2.34	-6.99	63.90	24.48	MIN
215	-22.11	-73.69	1.63	0.00	-148.19	MAX
	-195.24	-650.81	-0.79	0.00	-456.64	MIN
216	0.60	2.00	2.76	-1.53	-122.51	MAX
	-124.12	-418.42	-1.74	-4.41	-432.25	MIN
217	-1.05	-3.51	-0.03	0.00	6.28	MAX
	-1.05	-3.51	-0.03	0.00	6.28	MIN
218	15.31	51.96	3.44	-0.82	-70.91	MAX
	-59.94	-212.07	-4.14	-18.27	-386.76	MIN
219	0.14	0.00	-0.03	-0.08	6.28	MAX
	0.14	0.00	-0.03	-0.08	6.28	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
220	20.25 -3.33	74.11 -33.17	-6.04 -11.72	1.71 -54.68	-12.93 -334.26	MAX MIN
221	24.54 2.53	59.63 25.97	-20.80 -25.43	10.22 -157.88	36.10 -129.07	MAX MIN
222	37.99 2.01	103.73 32.92	-35.73 -121.36	167.92 -163.35	82.79 59.44	MAX MIN
223	34.86 -2.91	119.51 10.89	-9.84 -55.38	103.82 77.13	76.23 37.43	MAX MIN
224	8.81 -7.62	28.85 4.24	-8.58 -44.80	205.39 111.48	31.61 -8.98	MAX MIN
225	-21.45 -196.52	-71.49 -655.08	-0.03 -0.58	0.00 0.00	-147.80 -463.64	MAX MIN
226	0.86 -121.40	4.52 -419.84	-0.04 -1.04	-0.02 -2.04	-122.54 -442.85	MAX MIN
227	0.86 -121.40	4.52 -419.84	-0.04 -1.04	-0.02 -2.04	-122.54 -442.85	MAX MIN
228	14.94 -50.57	57.10 -208.13	-0.07 -1.60	0.02 -2.14	-72.42 -416.93	MAX MIN
229	28.63 12.53	94.53 14.81	-0.09 -2.18	0.04 -1.99	-30.16 -478.08	MAX MIN
230	151.04 17.99	400.47 157.68	-0.12 -2.55	0.06 -1.77	53.25 -879.75	MAX MIN
231	156.06 -145.59	220.56 -107.58	-0.13 -2.58	0.09 -1.31	-207.85 -909.90	MAX MIN
232	-79.22 -88.60	-84.74 -330.00	-0.10 -1.85	0.19 0.04	-333.35 -434.50	MAX MIN
233	-47.89 -52.54	-12.32 -88.18	-0.07 -1.18	6.79 0.63	-131.75 -264.35	MAX MIN
234	0.04 0.04	0.02 0.02	-0.06 -0.06	0.05 0.05	5.99 5.99	MAX MIN
235	-1.00 -1.00	-3.34 -3.34	0.29 0.29	0.00 0.00	6.01 6.01	MAX MIN
236	-21.23 -195.20	-70.77 -650.65	-0.42 -1.67	0.00 0.00	-148.05 -456.49	MAX MIN
237	1.65 -124.14	4.80 -418.33	-0.43 -2.83	4.41 -2.69	-122.25 -432.13	MAX MIN
238	16.51 -60.01	54.41 -212.01	0.80 -3.56	18.32 -3.55	-70.43 -386.68	MAX MIN
239	21.63 -3.44	76.06 -33.12	7.60 5.86	54.78 -5.74	-12.30 -334.21	MAX MIN
240	24.40 4.02	59.67 27.25	25.20 15.53	158.01 -13.78	36.81 -129.03	MAX MIN
241	39.78 1.87	103.76 33.66	121.09 30.40	163.54 -170.51	82.82 60.07	MAX MIN
242	34.72 -0.97	119.53 11.20	55.17 6.02	-76.75 -103.63	76.26 37.90	MAX MIN
243	8.67 -5.66	28.85 4.33	44.65 6.14	-97.30 -204.09	31.63 -8.65	MAX MIN
244	-0.15 -0.15	0.04 0.04	0.00 0.00	-0.02 -0.02	5.92 5.92	MAX MIN
245	-0.95 -0.95	-3.17 -3.17	-0.01 -0.01	0.00 0.00	5.92 5.92	MAX MIN
246	-20.99 -193.06	-69.98 -643.54	-0.84 -0.99	0.00 0.00	-148.31 -445.05	MAX MIN
247	2.83 -128.41	5.01 -415.45	-1.35 -1.78	2.86 -3.59	-122.17 -416.17	MAX MIN
248	19.17 -74.14	50.96 -214.47	-0.97 -2.00	11.21 -4.11	-69.84 -347.28	MAX MIN
249	30.33 -35.95	66.17 -56.61	0.21 -1.53	33.53 -5.03	-20.03 -241.83	MAX MIN
250	-1.00 -1.00	-3.32 -3.32	-0.01 -0.01	0.00 0.00	6.02 6.02	MAX MIN
251	45.49 -10.05	60.13 40.98	6.33 2.22	79.45 -13.20	17.80 -118.76	MAX MIN
252	48.31 0.69	55.66 31.45	-0.46 -2.63	23.92 -24.96	32.15 -14.66	MAX MIN
253	48.40 3.40	25.61 13.33	14.71 0.15	-32.76 -49.20	41.27 23.77	MAX MIN
254	44.79 15.10	15.27 2.53	6.82 0.12	-47.92 -112.04	50.73 25.14	MAX MIN
255	0.01 0.01	0.00 0.00	-0.03 -0.03	-0.08 -0.08	6.02 6.02	MAX MIN
256	-20.00 -193.09	-66.68 -643.63	1.10 -1.75	0.00 0.00	-147.60 -445.07	MAX MIN
257	3.88 -128.53	7.92 -415.52	1.93 -3.22	-2.36 -4.71	-121.39 -416.21	MAX MIN
258	-1.01 -1.01	-3.35 -3.35	-0.01 -0.01	0.00 0.00	6.10 6.10	MAX MIN
259	20.24 -74.32	53.32 -214.46	2.09 -5.82	-3.84 -10.78	-68.97 -347.37	MAX MIN
260	31.45 -36.16	67.92 -56.52	1.46 -9.17	-1.73 -33.24	-19.14 -241.91	MAX MIN
261	46.68 -10.26	61.27 41.10	-6.63 -12.59	7.73 -79.26	18.62 -118.78	MAX MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
262	-0.04	-0.01	-0.03	-0.07	6.10	MAX
	-0.04	-0.01	-0.03	-0.07	6.10	MIN
263	49.58	55.76	-0.02	21.55	32.84	MAX
	0.53	32.04	-7.82	-23.67	-14.63	MIN
264	49.74	25.66	-7.65	51.07	41.32	MAX
	3.27	13.56	-15.13	33.43	24.21	MIN
265	46.13	15.29	-4.95	114.64	50.78	MAX
	14.98	2.59	-7.12	77.74	25.43	MIN
266	-18.19	-60.64	1.87	0.00	-145.70	MAX
	-195.31	-651.02	-2.37	0.00	-456.66	MIN
267	4.82	13.66	3.11	-3.71	-119.74	MAX
	-124.54	-418.60	-4.44	-5.89	-432.38	MIN
268	-1.05	-3.51	-0.03	0.00	6.28	MAX
	-1.05	-3.51	-0.03	0.00	6.28	MIN
269	19.71	61.55	3.76	-4.47	-67.67	MAX
	-60.58	-211.97	-7.97	-17.85	-387.05	MIN
270	0.14	0.00	-0.03	-0.08	6.28	MAX
	0.14	0.00	-0.03	-0.08	6.28	MIN
271	24.93	81.33	-5.89	-0.87	-9.52	MAX
	-4.11	-32.81	-16.63	-54.59	-334.51	MIN
272	23.77	60.10	-25.55	8.59	39.35	MAX
	7.45	30.60	-27.30	-157.99	-129.13	MIN
273	43.48	104.10	-41.28	167.51	82.94	MAX
	1.39	35.43	-121.69	-163.45	62.03	MIN
274	34.37	119.70	-13.84	106.10	76.44	MAX
	2.93	11.88	-55.69	77.37	39.20	MIN
275	8.35	28.92	-11.19	207.10	31.79	MAX
	-1.76	4.51	-45.02	129.10	-7.79	MIN
276	-16.14	-53.79	0.46	0.00	-143.17	MAX
	-196.84	-656.15	-2.54	0.00	-464.42	MIN
277	6.22	19.74	0.64	1.08	-117.69	MAX
	-122.23	-420.49	-4.36	-7.03	-443.76	MIN
278	6.22	19.74	0.64	1.08	-117.69	MAX
	-122.23	-420.49	-4.36	-7.03	-443.76	MIN
279	20.23	69.19	0.51	0.45	-67.31	MAX
	-51.67	-208.00	-6.23	-5.90	-417.93	MIN
280	27.43	103.35	0.14	-0.18	-25.18	MAX
	17.72	15.55	-8.01	-4.43	-478.81	MIN
281	149.97	401.43	-0.37	-0.49	57.69	MAX
	23.44	163.33	-9.07	-3.10	-879.97	MIN
282	155.33	221.31	-0.77	-0.39	-204.26	MAX
	-139.85	-104.70	-9.12	-1.23	-909.63	MIN
283	-73.20	-83.64	-0.66	4.37	-331.08	MAX
	-89.03	-329.64	-6.57	0.34	-434.10	MIN
284	-44.20	-12.04	-0.48	28.97	-130.29	MAX
	-48.28	-88.06	-4.31	3.41	-264.00	MIN
285	0.04	0.02	-0.06	0.04	6.00	MAX
	0.04	0.02	-0.06	0.04	6.00	MIN
286	-1.00	-3.34	0.29	0.00	6.01	MAX
	-1.00	-3.34	0.29	0.00	6.01	MIN
287	-14.18	-47.27	-0.79	0.00	-140.16	MAX
	-196.02	-653.39	-2.78	0.00	-459.07	MIN
288	8.23	24.18	-1.62	5.88	-114.33	MAX
	-125.58	-419.72	-4.37	-8.00	-434.76	MIN
289	22.49	69.24	-2.62	18.34	-62.69	MAX
	-61.69	-211.67	-4.58	-6.94	-389.10	MIN
290	27.16	86.48	6.15	53.69	-5.26	MAX
	-5.12	-31.56	0.52	-7.06	-335.77	MIN
291	23.09	61.60	24.59	156.45	42.71	MAX
	9.62	33.82	8.08	-13.48	-129.41	MIN
292	45.03	105.20	119.88	162.32	83.38	MAX
	1.20	36.82	22.91	-168.42	64.38	MIN
293	34.58	120.23	54.10	-76.66	77.06	MAX
	4.42	12.36	0.58	-97.99	40.60	MIN
294	8.65	29.15	43.94	-69.86	32.33	MAX
	-0.32	4.61	2.49	-199.33	-6.92	MIN
295	-0.14	0.04	0.00	-0.03	5.93	MAX
	-0.14	0.04	0.00	-0.03	5.93	MIN
296	-0.95	-3.17	-0.01	0.00	5.93	MAX
	-0.95	-3.17	-0.01	0.00	5.93	MIN
297	-11.86	-39.52	0.46	0.00	-135.71	MAX
	-194.79	-649.30	-3.53	0.00	-451.50	MIN
298	10.48	28.99	0.16	4.13	-109.89	MAX
	-130.60	-417.90	-5.77	-8.54	-422.36	MIN
299	25.33	68.54	-0.59	9.71	-58.57	MAX
	-76.30	-213.43	-6.91	-6.29	-352.25	MIN
300	35.26	78.04	-1.29	30.16	-10.41	MAX
	-37.82	-53.33	-7.17	-4.54	-244.65	MIN
301	-1.00	-3.32	-0.01	0.00	6.02	MAX
	-1.00	-3.32	-0.01	0.00	6.02	MIN
302	49.49	67.16	5.18	76.06	25.40	MAX
	-11.35	44.68	-5.91	-10.77	-119.16	MIN
303	51.86	58.36	-2.80	21.45	37.66	MAX
	0.40	35.07	-10.92	-20.49	-13.22	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
304	51.84 3.96	26.85 14.47	12.83 -5.89	-32.87 -40.93	42.87 27.00	MAX MIN
305	49.03 15.64	15.45 2.72	5.40 -4.04	-14.45 -102.92	51.90 27.02	MAX MIN
306	0.04 0.04	0.01 0.01	-0.03 -0.03	-0.09 -0.09	6.02 6.02	MAX MIN
307	-8.53 -196.37	-28.42 -654.55	3.21 -4.41	0.00 0.00	-128.57 -459.24	MAX MIN
308	11.97 -130.93	36.48 -419.10	4.75 -7.60	-3.72 -9.58	-103.35 -429.05	MAX MIN
309	-1.00 -1.00	-3.32 -3.32	0.01 0.01	0.00 0.00	6.03 6.03	MAX MIN
310	25.38 -75.93	73.39 -211.65	4.08 -11.77	-3.14 -16.58	-53.40 -356.75	MAX MIN
311	34.07 -37.29	80.79 -50.21	1.70 -16.63	1.96 -40.30	-6.54 -246.09	MAX MIN
312	47.83 -10.48	68.67 48.18	-8.98 -21.49	13.35 -87.50	28.11 -118.36	MAX MIN
313	0.04 0.04	0.01 0.01	0.02 0.02	0.07 0.07	6.03 6.03	MAX MIN
314	49.55 1.12	60.47 35.67	-3.27 -16.44	29.16 -27.75	39.10 -11.79	MAX MIN
315	49.50 4.22	27.61 14.59	-14.17 -18.60	63.82 35.14	45.00 28.15	MAX MIN
316	47.22 16.96	16.74 2.80	-9.17 -9.86	130.28 116.93	54.39 28.24	MAX MIN
317	-4.44 -200.98	-14.79 -669.93	3.97 -4.46	0.00 0.00	-118.99 -485.11	MAX MIN
318	11.83 -123.40	46.02 -422.33	6.44 -7.87	-5.01 -15.66	-94.96 -456.26	MAX MIN
319	-0.96 -0.96	-3.19 -3.19	0.01 0.01	0.00 0.00	5.95 5.95	MAX MIN
320	21.38 -57.43	83.38 -205.32	7.05 -12.94	0.90 -34.55	-47.36 -400.98	MAX MIN
321	-0.12 -0.12	0.04 0.04	0.00 0.00	-0.02 -0.02	5.95 5.95	MAX MIN
322	22.75 -2.29	95.19 -20.79	-4.83 -23.74	8.19 -67.69	5.88 -341.54	MAX MIN
323	23.74 5.10	70.81 38.24	-28.00 -36.10	18.31 -165.96	50.27 -126.94	MAX MIN
324	38.05 2.32	112.89 38.65	-51.42 -132.19	183.35 -172.60	93.23 71.28	MAX MIN
325	39.55 -3.58	126.73 12.95	-20.59 -61.31	120.95 79.51	82.19 43.05	MAX MIN
326	11.19 -8.02	29.24 4.75	-16.20 -49.77	231.61 171.81	32.59 -8.27	MAX MIN
327	-0.97 -205.62	-3.23 -685.39	-1.53 -4.22	0.00 0.00	-110.46 -512.45	MAX MIN
328	9.58 -102.00	53.90 -420.44	1.44 -6.63	-0.88 -38.50	-87.51 -480.29	MAX MIN
329	14.44 -31.23	92.02 -195.44	8.35 -8.85	5.03 -36.99	-42.07 -432.28	MAX MIN
330	34.22 11.85	116.41 33.97	7.03 -13.46	11.20 -23.56	-6.62 -474.89	MAX MIN
331	143.59 8.82	431.55 174.75	-1.86 -16.89	20.24 -10.68	70.02 -892.27	MAX MIN
332	155.03 -158.79	235.40 -107.11	8.76 -13.71	10.61 2.15	-209.34 -935.28	MAX MIN
333	-84.38 -88.32	-86.42 -344.24	-8.98 -13.89	26.74 -4.94	-340.13 -439.04	MAX MIN
334	-35.67 -57.00	-12.73 -87.55	-6.72 -9.40	79.25 50.60	-127.89 -258.71	MAX MIN
335	-1.01 -1.01	-3.37 -3.37	-0.26 -0.26	0.00 0.00	6.05 6.05	MAX MIN
336	0.08 0.08	0.02 0.02	0.07 0.07	-0.21 -0.21	5.98 5.98	MAX MIN
337	0.08 0.08	0.02 0.02	0.07 0.07	-0.21 -0.21	5.98 5.98	MAX MIN
338	-0.20 -205.05	-0.67 -683.50	1.48 -17.46	0.00 0.00	-109.85 -514.25	MAX MIN
339	5.22 -50.03	56.65 -410.98	-0.46 -5.46	2.12 -67.23	-85.19 -474.49	MAX MIN
340	6.71 -12.76	93.77 -197.39	9.04 -3.14	6.45 -26.30	-36.52 -406.79	MAX MIN
341	14.19 1.46	104.77 5.42	18.01 -1.83	21.94 9.63	17.82 -361.31	MAX MIN
342	-1.06 -1.06	-3.53 -3.53	0.05 0.05	0.00 0.00	6.37 6.37	MAX MIN
343	33.79 -20.25	118.02 46.80	29.23 4.68	147.58 14.48	63.91 -169.71	MAX MIN
344	7.00 3.50	148.34 28.33	134.58 23.32	181.74 -170.19	73.84 56.48	MAX MIN
345	30.82 -33.96	126.05 4.84	48.38 -3.16	-71.16 -77.88	57.43 16.72	MAX MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]		
346	24.85	31.18	36.59	-29.96	6.26		MAX
	-28.42	4.83	-0.62	-138.16	-30.94		MIN
347	0.38	0.09	0.03	-0.20	6.37		MAX
	0.38	0.09	0.03	-0.20	6.37		MIN
348	-0.79	-2.64	6.91	0.00	-135.10		MAX
	-196.44	-654.79	-59.00	0.00	-368.21		MIN
349	5.85	58.66	3.77	3.00	-106.22		MAX
	2.51	-408.52	-13.07	-80.18	-417.15		MIN
350	-1.03	-3.44	0.17	0.00	5.84		MAX
	-1.03	-3.44	0.17	0.00	5.84		MIN
351	2.08	92.60	23.40	5.79	-42.67		MAX
	-3.85	-194.68	0.78	-16.99	-469.37		MIN
352	-5.97	91.78	18.93	31.33	30.94		MAX
	-6.51	-11.39	-1.84	10.16	-370.23		MIN
353	18.52	114.20	25.81	155.23	88.55		MAX
	7.22	60.24	1.86	-0.62	-152.76		MIN
354	0.33	-0.11	0.14	-0.16	5.84		MAX
	0.33	-0.11	0.14	-0.16	5.84		MIN
355	3.96	108.06	-12.41	49.45	97.58		MAX
	-5.92	27.80	-16.84	-32.14	47.67		MIN
356	-9.13	40.53	22.35	-57.09	139.36		MAX
	-39.37	3.94	-3.54	-74.57	69.72		MIN
357	52.08	37.25	4.36	-53.20	145.67		MAX
	-3.24	-2.36	-3.63	-161.40	55.55		MIN

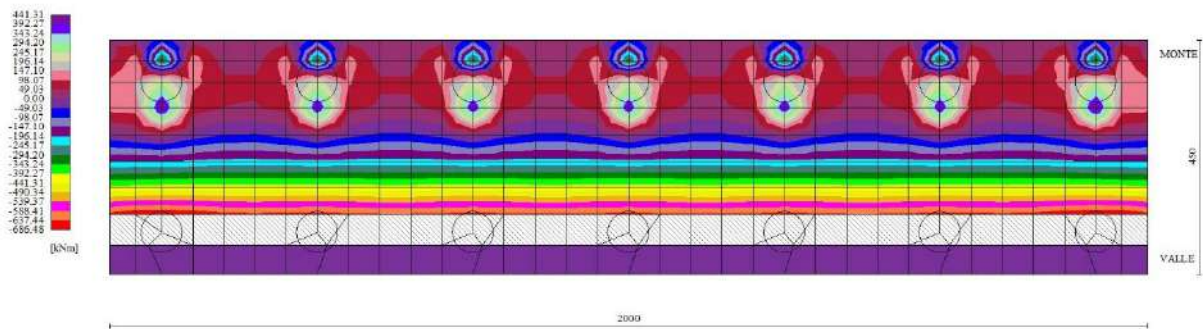


Fig. 6 - Piastra fondazione - Momento My (Combinazione n° 2)

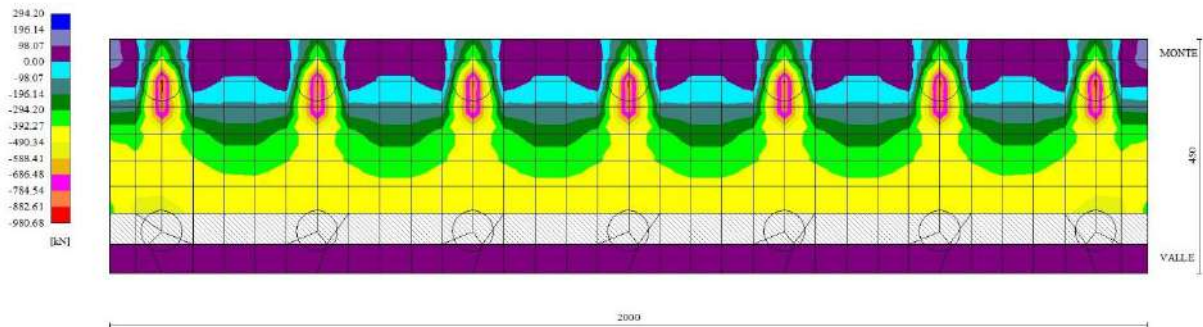


Fig. 7 - Piastra fondazione - Taglio Ty (Combinazione n° 2)

Sollecitazioni pali

Simbologia adottata

- N Sforzo normale, espresso in [kN]. Positivo se di compressione.
- T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
- M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	436.03	6498.44	-155.77	-654.19	-273.04	-1146.73
21	6.00	348.82	6272.25	1.49	10.54	84.76	379.86
32	9.30	300.86	6147.84	12.65	56.67	55.48	242.88
101	30.00	0.00	0.00	-0.01	-0.06	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	890.61	6498.57	-155.77	-642.29	-273.04	-1125.88
21	6.00	907.44	6272.34	1.49	9.85	84.76	370.02
32	9.30	916.69	6147.91	12.65	55.21	55.48	237.22
101	30.00	974.74	5378.75	-0.01	-0.06	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	-432.79	-6498.41	-530.54	-725.59	-838.50	-1146.73
20	5.70	-350.56	-6283.50	7.57	19.29	323.40	501.33
31	9.00	-302.95	-6159.08	48.26	74.74	208.88	312.55
101	30.00	0.00	0.00	-0.04	-0.06	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1881.90	6498.67	-530.54	-712.29	-838.50	-1125.75
20	5.70	1855.21	6283.64	7.57	18.20	323.38	486.98
31	9.00	1839.76	6159.16	48.26	72.60	208.87	304.41
101	30.00	1741.42	5378.37	-0.04	-0.06	0.00	0.00

Palo n° 1

RELAZIONE DI CALCOLO

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	486.29	6498.42	-119.82	-643.17	-213.63	-1146.73
21	6.00	389.03	6272.17	0.75	7.50	64.16	363.54
32	9.30	335.54	6147.74	9.58	54.26	42.56	236.31
101	30.00	0.00	0.00	-0.01	-0.06	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	809.34	6498.16	-119.82	-631.49	-213.63	-1125.91
21	6.00	829.85	6271.95	0.75	6.85	64.16	353.98
32	9.30	841.13	6147.54	9.58	52.84	42.56	230.76
101	30.00	911.89	5378.43	-0.01	-0.06	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	486.29	6498.42	-119.82	-643.17	-213.63	-1146.73
21	6.00	389.03	6271.95	0.75	7.50	64.16	363.54
32	9.30	335.54	6147.74	9.58	54.26	42.56	236.31
101	30.00	0.00	0.00	-0.01	-0.06	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	809.34	6498.16	-119.82	-631.49	-213.63	-1125.91
21	6.00	829.85	6271.95	0.75	6.85	64.16	353.98
32	9.30	841.13	6147.54	9.58	52.84	42.56	230.76
101	30.00	911.89	5378.43	-0.01	-0.06	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	486.29	6498.42	-119.82	-643.17	-213.63	-1146.73
21	6.00	389.03	6271.95	0.75	7.50	64.16	363.54
32	9.30	335.54	6147.74	9.58	54.26	42.56	236.31
101	30.00	0.00	0.00	-0.01	-0.06	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	809.34	6498.16	-119.82	-631.49	-213.63	-1125.91
21	6.00	829.85	6271.95	0.75	6.85	64.16	353.98
32	9.30	841.13	6147.54	9.58	52.84	42.56	230.76
101	30.00	911.89	5378.43	-0.01	-0.06	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	223.42	5579.78	-234.01	-700.28	-383.21	-1146.73
20	5.70	180.97	5364.85	1.30	11.87	135.52	456.41
31	9.00	156.39	5240.42	20.24	68.10	90.31	293.03
101	30.00	0.00	0.00	-0.02	-0.06	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1106.06	6498.49	-234.01	-687.50	-383.21	-1125.83
20	5.70	1112.77	6283.59	1.30	10.93	135.52	443.10
31	9.00	1116.65	6159.18	20.24	66.12	90.31	285.35
101	30.00	1141.38	5378.78	-0.02	-0.06	0.00	0.00

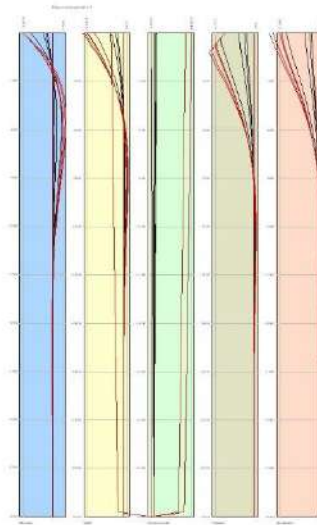


Fig. 8 - Sollecitazioni palo (Palo n° 1) (Inviluppo)

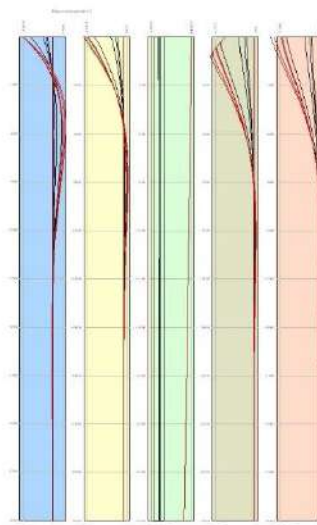


Fig. 9 - Sollecitazioni palo (Palo n° 2) (Inviluppo)

Verifiche strutturali

Verifiche a flessione

Elementi calcolati a trave

Simbologia adottata

n°	indice sezione
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi	area ferri inferiori espressa in [cmq]
Afs	area ferri superiori espressa in [cmq]
M	momento agente espressa in [kNm]
N	sforzo normale agente espressa in [kN]

RELAZIONE DI CALCOLO

Mu momento ultimi espresso in [kNm]
Nu sforzo normale ultimo espressa in [kN]
FS fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Elementi calcolati a piastra

Simbologia adottata

n° indice sezione
Y ordinata sezione espressa in [m]
B larghezza sezione espresso in [cm]
H altezza sezione espressa in [cm]
Afi, Afs area ferri inferiori e superiori, espresso in [cmq]
Mp, Mn momento positivo e negativo agente espressa in [kNm]
Mu momento ultimi espresso in [kNm]
FS fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Paramento

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	100	30	18.10	22.62	0.00	0.00	0.00	0.00	100000.000
2	100	31	18.10	22.62	0.15	0.74	189.41	0.74	1274.993
3	100	31	18.10	22.62	0.60	1.51	195.98	1.51	327.817
4	100	32	18.10	22.62	1.35	2.29	202.56	2.29	149.683
5	100	33	18.10	22.62	2.42	3.09	209.08	3.09	86.393
6	100	34	18.10	22.62	3.80	3.90	215.50	3.90	56.650
7	100	34	18.10	22.62	5.51	4.74	221.92	4.74	40.274
8	100	35	18.10	22.62	7.54	5.59	228.35	5.59	30.268
9	100	36	18.10	22.62	9.91	6.46	234.79	6.46	23.689
10	100	37	18.10	22.62	12.62	7.35	241.23	7.35	19.120
11	100	37	18.10	22.62	15.67	8.26	247.69	8.26	15.810
12	100	38	18.10	22.62	19.07	9.18	254.16	9.18	13.330
13	100	39	18.10	22.62	22.82	10.12	260.63	10.12	11.421
14	100	40	18.10	22.62	26.93	11.08	267.11	11.08	9.917
15	100	40	18.10	22.62	31.41	12.06	273.60	12.06	8.710
16	100	41	18.10	22.62	36.26	13.06	280.11	13.06	7.724
17	100	42	18.10	22.62	41.49	14.07	286.62	14.07	6.908
18	100	42	18.10	22.62	47.10	15.11	293.14	15.11	6.224
19	100	43	18.10	22.62	53.10	16.16	299.67	16.16	5.644
20	100	44	18.10	22.62	59.49	17.22	306.21	17.22	5.148
21	100	45	18.10	22.62	66.27	18.31	312.76	18.31	4.719
22	100	45	18.10	22.62	73.46	19.42	319.32	19.42	4.347
23	100	46	18.10	22.62	81.06	20.54	325.89	20.54	4.020
24	100	47	18.10	22.62	89.08	21.68	332.47	21.68	3.732
25	100	48	18.10	22.62	97.51	22.84	339.07	22.84	3.477
26	100	48	18.10	22.62	106.37	24.01	345.67	24.01	3.250
27	100	49	18.10	22.62	115.66	25.21	352.28	25.21	3.046
28	100	50	18.10	22.62	125.38	26.42	358.91	26.42	2.862
29	100	51	18.10	22.62	135.55	27.65	365.54	27.65	2.697
30	100	51	18.10	22.62	146.16	28.90	372.19	28.90	2.546
31	100	52	18.10	22.62	157.23	30.17	378.85	30.17	2.410
32	100	53	18.10	22.62	168.75	31.45	385.52	31.45	2.285
33	100	53	18.10	22.62	180.74	32.75	392.20	32.75	2.170
34	100	54	18.10	22.62	193.19	34.08	398.90	34.08	2.065
35	100	55	18.10	22.62	206.12	35.41	405.62	35.41	1.968
36	100	56	18.10	22.62	219.53	36.77	412.38	36.77	1.879
37	100	56	18.10	22.62	233.42	38.15	419.18	38.15	1.798
38	100	57	18.10	22.62	247.80	39.54	426.01	39.54	1.721
39	100	58	18.10	22.62	262.68	40.95	432.88	40.95	1.649
40	100	59	18.10	22.62	278.05	42.38	439.79	42.38	1.582
41	100	59	18.10	22.62	293.94	43.82	446.74	43.82	1.520
42	100	60	18.10	22.62	310.33	45.29	453.72	45.29	1.460

Fondazione

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-1-P	18.10	18.10	0.02	-0.20	594.18	100.000 (1)
1-2-P	18.10	18.10	0.01	-0.22	594.18	100.000 (1)
1-3-P	18.10	18.10	0.00	-0.25	-594.18	100.000 (1)
1-4-P	18.10	18.10	0.00	-0.25	-594.18	100.000 (1)
1-5-P	18.10	18.10	0.00	-0.24	594.18	100.000 (1)
1-6-P	18.10	18.10	0.00	-0.25	594.18	100.000 (1)
1-7-P	18.10	18.10	0.01	-0.25	594.18	100.000 (1)
1-8-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-9-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-10-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-11-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-12-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-13-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-14-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-15-P	18.10	18.10	0.00	-0.25	594.18	100.000 (1)
1-16-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-17-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-18-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-19-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-20-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-21-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-22-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-23-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-24-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-25-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-26-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-27-P	18.10	18.10	0.00	-0.25	594.18	100.000 (1)
1-28-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-29-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-30-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-31-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-32-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-33-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-34-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-35-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-36-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-37-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-38-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-39-P	18.10	18.10	0.00	-0.25	594.18	100.000 (1)
1-40-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-41-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-42-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-43-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-44-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-45-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-46-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-47-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-48-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-49-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-50-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-51-P	18.10	18.10	0.00	-0.25	594.18	100.000 (1)
1-52-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-53-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-54-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-55-P	18.10	18.10	0.00	-0.30	-594.18	100.000 (1)
1-56-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-57-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-58-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-59-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-60-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-61-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-62-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-63-P	18.10	18.10	0.00	-0.25	594.18	100.000 (1)
1-64-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-65-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-66-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-67-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-68-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-69-P	18.10	18.10	0.00	-0.28	-594.18	100.000 (1)
1-70-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-71-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-72-P	18.10	18.10	0.00	-0.26	-594.18	100.000 (1)
1-73-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-74-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-75-P	18.10	18.10	0.00	-0.29	-594.18	100.000 (1)
1-76-P	18.10	18.10	0.00	-0.27	-594.18	100.000 (1)
1-77-P	18.10	18.10	0.00	-0.25	-594.18	100.000 (1)
1-78-P	18.10	18.10	0.01	-0.23	594.18	100.000 (1)
1-79-P	18.10	18.10	0.03	-0.21	594.18	100.000 (1)
1-80-P	18.10	18.10	0.02	-0.21	594.18	100.000 (1)
1-81-P	18.10	18.10	0.02	-0.22	594.18	100.000 (1)
3-1-P	22.62	22.62	0.96	-48.64	-743.95	15.294 (2)
3-2-P	22.62	22.62	0.00	-62.59	-743.95	11.885 (2)
3-3-P	22.62	22.62	0.00	-77.50	-743.95	9.599 (2)
3-4-P	22.62	22.62	0.00	-90.95	-743.95	8.180 (2)
3-5-P	22.62	22.62	0.00	-104.40	-743.95	7.126 (2)
3-6-P	22.62	22.62	0.00	-109.31	-743.95	6.806 (2)
3-7-P	22.62	22.62	0.00	-114.23	-743.95	6.513 (2)
3-8-P	22.62	22.62	0.00	-117.28	-743.95	6.343 (2)
3-9-P	22.62	22.62	0.00	-119.10	-743.95	6.246 (2)
3-10-P	22.62	22.62	0.00	-120.51	-743.95	6.173 (2)
3-11-P	22.62	22.62	0.00	-120.29	-743.95	6.184 (2)
3-12-P	22.62	22.62	0.00	-120.08	-743.95	6.196 (2)
3-13-P	22.62	22.62	0.00	-118.83	-743.95	6.261 (2)
3-14-P	22.62	22.62	0.00	-117.32	-743.95	6.341 (2)
3-15-P	22.62	22.62	0.00	-116.01	-743.95	6.413 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
3-16-P	22.62	22.62	0.00	-114.99	-743.95	6.470 (2)
3-17-P	22.62	22.62	0.00	-113.97	-743.95	6.527 (2)
3-18-P	22.62	22.62	0.00	-114.66	-743.95	6.488 (2)
3-19-P	22.62	22.62	0.00	-115.35	-743.95	6.450 (2)
3-20-P	22.62	22.62	0.00	-116.32	-743.95	6.396 (2)
3-21-P	22.62	22.62	0.00	-117.48	-743.95	6.333 (2)
3-22-P	22.62	22.62	0.00	-118.39	-743.95	6.284 (2)
3-23-P	22.62	22.62	0.00	-118.36	-743.95	6.285 (2)
3-24-P	22.62	22.62	0.00	-118.33	-743.95	6.287 (2)
3-25-P	22.62	22.62	0.00	-117.33	-743.95	6.341 (2)
3-26-P	22.62	22.62	0.00	-116.09	-743.95	6.409 (2)
3-27-P	22.62	22.62	0.00	-115.01	-743.95	6.468 (2)
3-28-P	22.62	22.62	0.00	-114.20	-743.95	6.515 (2)
3-29-P	22.62	22.62	0.00	-113.38	-743.95	6.562 (2)
3-30-P	22.62	22.62	0.00	-114.20	-743.95	6.515 (2)
3-31-P	22.62	22.62	0.00	-115.01	-743.95	6.469 (2)
3-32-P	22.62	22.62	0.00	-116.08	-743.95	6.409 (2)
3-33-P	22.62	22.62	0.00	-117.31	-743.95	6.342 (2)
3-34-P	22.62	22.62	0.00	-118.29	-743.95	6.289 (2)
3-35-P	22.62	22.62	0.00	-118.29	-743.95	6.289 (2)
3-36-P	22.62	22.62	0.00	-118.30	-743.95	6.289 (2)
3-37-P	22.62	22.62	0.00	-117.32	-743.95	6.341 (2)
3-38-P	22.62	22.62	0.00	-116.09	-743.95	6.408 (2)
3-39-P	22.62	22.62	0.00	-115.03	-743.95	6.467 (2)
3-40-P	22.62	22.62	0.00	-114.22	-743.95	6.513 (2)
3-41-P	22.62	22.62	0.00	-113.41	-743.95	6.560 (2)
3-42-P	22.62	22.62	0.00	-114.22	-743.95	6.513 (2)
3-43-P	22.62	22.62	0.00	-115.03	-743.95	6.467 (2)
3-44-P	22.62	22.62	0.00	-116.09	-743.95	6.408 (2)
3-45-P	22.62	22.62	0.00	-117.32	-743.95	6.341 (2)
3-46-P	22.62	22.62	0.00	-118.30	-743.95	6.289 (2)
3-47-P	22.62	22.62	0.00	-118.29	-743.95	6.289 (2)
3-48-P	22.62	22.62	0.00	-118.29	-743.95	6.289 (2)
3-49-P	22.62	22.62	0.00	-117.31	-743.95	6.342 (2)
3-50-P	22.62	22.62	0.00	-116.08	-743.95	6.409 (2)
3-51-P	22.62	22.62	0.00	-115.01	-743.95	6.469 (2)
3-52-P	22.62	22.62	0.00	-114.20	-743.95	6.515 (2)
3-53-P	22.62	22.62	0.00	-113.38	-743.95	6.562 (2)
3-54-P	22.62	22.62	0.00	-114.20	-743.95	6.515 (2)
3-55-P	22.62	22.62	0.00	-115.01	-743.95	6.468 (2)
3-56-P	22.62	22.62	0.00	-116.09	-743.95	6.409 (2)
3-57-P	22.62	22.62	0.00	-117.33	-743.95	6.341 (2)
3-58-P	22.62	22.62	0.00	-118.33	-743.95	6.287 (2)
3-59-P	22.62	22.62	0.00	-118.36	-743.95	6.285 (2)
3-60-P	22.62	22.62	0.00	-118.39	-743.95	6.284 (2)
3-61-P	22.62	22.62	0.00	-117.48	-743.95	6.333 (2)
3-62-P	22.62	22.62	0.00	-116.32	-743.95	6.396 (2)
3-63-P	22.62	22.62	0.00	-115.35	-743.95	6.450 (2)
3-64-P	22.62	22.62	0.00	-114.66	-743.95	6.488 (2)
3-65-P	22.62	22.62	0.00	-113.97	-743.95	6.527 (2)
3-66-P	22.62	22.62	0.00	-114.99	-743.95	6.470 (2)
3-67-P	22.62	22.62	0.00	-116.01	-743.95	6.413 (2)
3-68-P	22.62	22.62	0.00	-117.32	-743.95	6.341 (2)
3-69-P	22.62	22.62	0.00	-118.83	-743.95	6.261 (2)
3-70-P	22.62	22.62	0.00	-120.08	-743.95	6.196 (2)
3-71-P	22.62	22.62	0.00	-120.29	-743.95	6.184 (2)
3-72-P	22.62	22.62	0.00	-120.51	-743.95	6.173 (2)
3-73-P	22.62	22.62	0.00	-119.10	-743.95	6.246 (2)
3-74-P	22.62	22.62	0.00	-117.28	-743.95	6.343 (2)
3-75-P	22.62	22.62	0.00	-114.23	-743.95	6.513 (2)
3-76-P	22.62	22.62	0.00	-109.31	-743.95	6.806 (2)
3-77-P	22.62	22.62	0.00	-104.40	-743.95	7.126 (2)
3-78-P	22.62	22.62	0.00	-90.95	-743.95	8.180 (2)
3-79-P	22.62	22.62	0.00	-77.50	-743.95	9.599 (2)
3-80-P	22.62	22.62	0.00	-62.59	-743.95	11.885 (2)
3-81-P	22.62	22.62	0.96	-48.64	-743.95	15.294 (2)
4-1-P	18.10	18.10	0.30	-2.22	596.38	100.000 (1)
4-2-P	18.10	18.10	3.38	-5.38	596.38	92.301 (2)
4-3-P	18.10	18.10	5.41	-6.13	596.38	57.711 (2)
4-4-P	18.10	18.10	8.43	-8.81	596.38	37.053 (2)
4-5-P	18.10	18.10	11.88	-11.91	596.38	23.902 (2)
4-6-P	18.10	18.10	5.82	-17.36	-596.38	27.818 (2)
4-7-P	18.10	18.10	1.46	-24.50	-596.38	22.022 (2)
4-8-P	18.10	18.10	0.07	-33.15	-596.38	17.993 (2)
4-9-P	18.10	18.10	0.00	-42.13	-596.38	14.155 (2)
4-10-P	18.10	18.10	0.00	-49.40	-596.38	12.072 (2)
4-11-P	18.10	18.10	0.00	-49.55	-596.38	12.036 (2)
4-12-P	18.10	18.10	0.00	-49.70	-596.38	12.000 (2)
4-13-P	18.10	18.10	0.00	-43.33	-596.38	13.764 (2)
4-14-P	18.10	18.10	0.00	-35.33	-596.38	16.880 (2)
4-15-P	18.10	18.10	1.11	-28.45	-596.38	19.963 (2)
4-16-P	18.10	18.10	4.44	-23.82	-596.38	21.461 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
4-17-P	18.10	18.10	8.92	-20.34	-596.38	22.340 (2)
4-18-P	18.10	18.10	4.53	-23.55	-596.38	21.708 (2)
4-19-P	18.10	18.10	1.22	-27.83	-596.38	20.409 (2)
4-20-P	18.10	18.10	0.00	-34.29	-596.38	17.391 (2)
4-21-P	18.10	18.10	0.00	-42.02	-596.38	14.192 (2)
4-22-P	18.10	18.10	0.00	-48.19	-596.38	12.375 (2)
4-23-P	18.10	18.10	0.00	-48.12	-596.38	12.392 (2)
4-24-P	18.10	18.10	0.00	-48.06	-596.38	12.410 (2)
4-25-P	18.10	18.10	0.00	-41.74	-596.38	14.287 (2)
4-26-P	18.10	18.10	0.00	-33.87	-596.38	17.610 (2)
4-27-P	18.10	18.10	1.32	-27.35	-596.38	20.765 (2)
4-28-P	18.10	18.10	4.76	-23.01	-596.38	22.214 (2)
4-29-P	18.10	18.10	9.30	-19.77	-596.38	24.422 (2)
4-30-P	18.10	18.10	4.78	-22.99	-596.38	22.231 (2)
4-31-P	18.10	18.10	1.34	-27.31	-596.38	20.796 (2)
4-32-P	18.10	18.10	0.00	-33.77	-596.38	17.662 (2)
4-33-P	18.10	18.10	0.00	-41.60	-596.38	14.336 (2)
4-34-P	18.10	18.10	0.00	-47.87	-596.38	12.459 (2)
4-35-P	18.10	18.10	0.00	-47.87	-596.38	12.459 (2)
4-36-P	18.10	18.10	0.00	-47.86	-596.38	12.460 (2)
4-37-P	18.10	18.10	0.00	-41.59	-596.38	14.338 (2)
4-38-P	18.10	18.10	0.00	-33.76	-596.38	17.668 (2)
4-39-P	18.10	18.10	1.35	-27.30	-596.38	20.809 (2)
4-40-P	18.10	18.10	4.79	-22.98	-596.38	22.246 (2)
4-41-P	18.10	18.10	9.32	-19.75	596.38	24.377 (2)
4-42-P	18.10	18.10	4.79	-22.98	-596.38	22.246 (2)
4-43-P	18.10	18.10	1.35	-27.30	-596.38	20.809 (2)
4-44-P	18.10	18.10	0.00	-33.76	-596.38	17.668 (2)
4-45-P	18.10	18.10	0.00	-41.59	-596.38	14.338 (2)
4-46-P	18.10	18.10	0.00	-47.86	-596.38	12.460 (2)
4-47-P	18.10	18.10	0.00	-47.87	-596.38	12.459 (2)
4-48-P	18.10	18.10	0.00	-47.87	-596.38	12.459 (2)
4-49-P	18.10	18.10	0.00	-41.60	-596.38	14.336 (2)
4-50-P	18.10	18.10	0.00	-33.77	-596.38	17.662 (2)
4-51-P	18.10	18.10	1.34	-27.31	-596.38	20.796 (2)
4-52-P	18.10	18.10	4.78	-22.99	-596.38	22.231 (2)
4-53-P	18.10	18.10	9.30	-19.77	-596.38	24.422 (2)
4-54-P	18.10	18.10	4.76	-23.01	-596.38	22.214 (2)
4-55-P	18.10	18.10	1.32	-27.35	-596.38	20.765 (2)
4-56-P	18.10	18.10	0.00	-33.87	-596.38	17.610 (2)
4-57-P	18.10	18.10	0.00	-41.74	-596.38	14.287 (2)
4-58-P	18.10	18.10	0.00	-48.06	-596.38	12.410 (2)
4-59-P	18.10	18.10	0.00	-48.12	-596.38	12.392 (2)
4-60-P	18.10	18.10	0.00	-48.19	-596.38	12.375 (2)
4-61-P	18.10	18.10	0.00	-42.02	-596.38	14.192 (2)
4-62-P	18.10	18.10	0.00	-34.29	-596.38	17.391 (2)
4-63-P	18.10	18.10	1.22	-27.83	-596.38	20.409 (2)
4-64-P	18.10	18.10	4.53	-23.55	-596.38	21.708 (2)
4-65-P	18.10	18.10	8.92	-20.34	-596.38	22.340 (2)
4-66-P	18.10	18.10	4.44	-23.82	-596.38	21.461 (2)
4-67-P	18.10	18.10	1.11	-28.45	-596.38	19.963 (2)
4-68-P	18.10	18.10	0.00	-35.33	-596.38	16.880 (2)
4-69-P	18.10	18.10	0.00	-43.33	-596.38	13.764 (2)
4-70-P	18.10	18.10	0.00	-49.70	-596.38	12.000 (2)
4-71-P	18.10	18.10	0.00	-49.55	-596.38	12.036 (2)
4-72-P	18.10	18.10	0.00	-49.40	-596.38	12.072 (2)
4-73-P	18.10	18.10	0.00	-42.13	-596.38	14.155 (2)
4-74-P	18.10	18.10	0.07	-33.15	-596.38	17.993 (2)
4-75-P	18.10	18.10	1.46	-24.50	-596.38	22.022 (2)
4-76-P	18.10	18.10	5.82	-17.36	-596.38	27.818 (2)
4-77-P	18.10	18.10	11.88	-11.91	596.38	23.902 (2)
4-78-P	18.10	18.10	8.43	-8.81	596.38	37.053 (2)
4-79-P	18.10	18.10	5.41	-6.13	596.38	57.711 (2)
4-80-P	18.10	18.10	3.38	-5.38	596.38	92.301 (2)
4-81-P	18.10	18.10	0.30	-2.22	596.38	100.000 (1)
5-1-P	18.10	18.10	7.75	-0.75	596.38	76.924 (2)
5-2-P	18.10	18.10	15.33	-2.29	596.38	38.915 (2)
5-3-P	18.10	18.10	27.89	-8.78	596.38	21.385 (2)
5-4-P	18.10	18.10	63.79	0.00	596.38	9.348 (2)
5-5-P	18.10	18.10	108.48	0.00	596.38	5.498 (2)
5-6-P	18.10	18.10	68.19	0.00	596.38	8.745 (2)
5-7-P	18.10	18.10	30.46	-2.55	596.38	19.577 (2)
5-8-P	18.10	18.10	20.77	-2.64	596.38	38.401 (1)
5-9-P	18.10	18.10	27.03	0.00	-596.38	74.138 (1)
5-10-P	18.10	18.10	34.21	0.00	-596.38	58.934 (1)
5-11-P	18.10	18.10	34.50	0.00	-596.38	59.038 (1)
5-12-P	18.10	18.10	34.78	0.00	-596.38	57.487 (1)
5-13-P	18.10	18.10	28.61	0.00	-596.38	82.881 (1)
5-14-P	18.10	18.10	20.82	0.00	596.38	43.289 (1)
5-15-P	18.10	18.10	29.53	-2.01	596.38	20.194 (2)
5-16-P	18.10	18.10	69.15	0.00	596.38	8.625 (2)
5-17-P	18.10	18.10	110.77	0.00	596.38	5.384 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
5-18-P	18.10	18.10	69.35	0.00	596.38	8.599 (2)
5-19-P	18.10	18.10	30.14	-2.20	596.38	19.787 (2)
5-20-P	18.10	18.10	18.67	-0.01	596.38	40.887 (1)
5-21-P	18.10	18.10	25.90	0.00	-596.38	82.685 (1)
5-22-P	18.10	18.10	31.60	0.00	-596.38	61.315 (1)
5-23-P	18.10	18.10	31.19	0.00	-596.38	62.659 (1)
5-24-P	18.10	18.10	30.78	0.00	-596.38	62.332 (1)
5-25-P	18.10	18.10	24.27	0.00	-596.38	86.918 (1)
5-26-P	18.10	18.10	16.23	0.00	596.38	40.380 (1)
5-27-P	18.10	18.10	30.57	-2.08	596.38	19.506 (2)
5-28-P	18.10	18.10	70.05	0.00	596.38	8.513 (2)
5-29-P	18.10	18.10	111.61	0.00	596.38	5.343 (2)
5-30-P	18.10	18.10	70.10	0.00	596.38	8.508 (2)
5-31-P	18.10	18.10	30.69	-2.10	596.38	19.434 (2)
5-32-P	18.10	18.10	14.93	-8.21	596.38	39.941 (2)
5-33-P	18.10	18.10	22.14	0.00	-596.38	88.088 (1)
5-34-P	18.10	18.10	28.12	0.00	-596.38	63.984 (1)
5-35-P	18.10	18.10	28.00	0.00	-596.38	64.970 (1)
5-36-P	18.10	18.10	27.88	0.00	-596.38	64.116 (1)
5-37-P	18.10	18.10	21.66	0.00	-596.38	88.903 (1)
5-38-P	18.10	18.10	14.92	-8.16	596.38	39.979 (2)
5-39-P	18.10	18.10	30.71	-2.08	596.38	19.419 (2)
5-40-P	18.10	18.10	70.17	0.00	596.38	8.500 (2)
5-41-P	18.10	18.10	111.69	0.00	596.38	5.339 (2)
5-42-P	18.10	18.10	70.17	0.00	596.38	8.500 (2)
5-43-P	18.10	18.10	30.71	-2.08	596.38	19.419 (2)
5-44-P	18.10	18.10	14.92	-8.16	596.38	39.979 (2)
5-45-P	18.10	18.10	21.66	0.00	-596.38	88.903 (1)
5-46-P	18.10	18.10	27.88	0.00	-596.38	64.116 (1)
5-47-P	18.10	18.10	28.00	0.00	-596.38	64.970 (1)
5-48-P	18.10	18.10	28.12	0.00	-596.38	63.984 (1)
5-49-P	18.10	18.10	22.14	0.00	-596.38	88.088 (1)
5-50-P	18.10	18.10	14.93	-8.21	596.38	39.941 (2)
5-51-P	18.10	18.10	30.69	-2.10	596.38	19.434 (2)
5-52-P	18.10	18.10	70.10	0.00	596.38	8.508 (2)
5-53-P	18.10	18.10	111.61	0.00	596.38	5.343 (2)
5-54-P	18.10	18.10	70.05	0.00	596.38	8.513 (2)
5-55-P	18.10	18.10	30.57	-2.08	596.38	19.506 (2)
5-56-P	18.10	18.10	16.23	0.00	596.38	40.380 (1)
5-57-P	18.10	18.10	24.27	0.00	-596.38	86.918 (1)
5-58-P	18.10	18.10	30.78	0.00	-596.38	62.332 (1)
5-59-P	18.10	18.10	31.19	0.00	-596.38	62.659 (1)
5-60-P	18.10	18.10	31.60	0.00	-596.38	61.315 (1)
5-61-P	18.10	18.10	25.90	0.00	-596.38	82.685 (1)
5-62-P	18.10	18.10	18.67	-0.01	596.38	40.887 (1)
5-63-P	18.10	18.10	30.14	-2.20	596.38	19.787 (2)
5-64-P	18.10	18.10	69.35	0.00	596.38	8.599 (2)
5-65-P	18.10	18.10	110.77	0.00	596.38	5.384 (2)
5-66-P	18.10	18.10	69.15	0.00	596.38	8.625 (2)
5-67-P	18.10	18.10	29.53	-2.01	596.38	20.194 (2)
5-68-P	18.10	18.10	20.82	0.00	596.38	43.289 (1)
5-69-P	18.10	18.10	28.61	0.00	-596.38	82.881 (1)
5-70-P	18.10	18.10	34.78	0.00	-596.38	57.487 (1)
5-71-P	18.10	18.10	34.50	0.00	-596.38	59.038 (1)
5-72-P	18.10	18.10	34.21	0.00	-596.38	58.934 (1)
5-73-P	18.10	18.10	27.03	0.00	-596.38	74.138 (1)
5-74-P	18.10	18.10	20.77	-2.64	596.38	38.401 (1)
5-75-P	18.10	18.10	30.46	-2.55	596.38	19.577 (2)
5-76-P	18.10	18.10	68.19	0.00	596.38	8.745 (2)
5-77-P	18.10	18.10	108.48	0.00	596.38	5.498 (2)
5-78-P	18.10	18.10	63.79	0.00	596.38	9.348 (2)
5-79-P	18.10	18.10	27.89	-8.78	596.38	21.385 (2)
5-80-P	18.10	18.10	15.33	-2.29	596.38	38.915 (2)
5-81-P	18.10	18.10	7.75	-0.75	596.38	76.924 (2)
6-1-P	22.62	22.62	6.85	-14.19	-743.95	41.949 (2)
6-2-P	22.62	22.62	14.81	-9.07	743.95	50.238 (2)
6-3-P	22.62	22.62	30.55	-12.38	743.95	24.353 (2)
6-4-P	22.62	22.62	0.00	-47.40	743.95	21.481 (1)
6-5-P	22.62	22.62	0.00	-79.76	743.95	9.638 (1)
6-6-P	22.62	22.62	0.00	-42.93	743.95	17.343 (1)
6-7-P	22.62	22.62	30.92	-16.12	743.95	24.059 (2)
6-8-P	22.62	22.62	27.15	-11.66	743.95	27.404 (2)
6-9-P	22.62	22.62	30.00	0.00	743.95	51.057 (1)
6-10-P	22.62	22.62	40.80	0.00	743.95	100.000 (1)
6-11-P	22.62	22.62	41.39	0.00	743.95	100.000 (1)
6-12-P	22.62	22.62	41.97	0.00	743.95	100.000 (1)
6-13-P	22.62	22.62	32.43	0.00	743.95	65.248 (1)
6-14-P	22.62	22.62	23.20	-9.94	743.95	32.064 (2)
6-15-P	22.62	22.62	26.40	-14.55	743.95	28.183 (2)
6-16-P	22.62	22.62	17.49	-15.77	743.95	18.227 (2)
6-17-P	22.62	22.62	25.52	-33.90	743.95	9.719 (2)
6-18-P	22.62	22.62	17.62	-15.94	743.95	18.092 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
6-19-P	22.62	22.62	27.11	-15.35	743.95	27.440 (2)
6-20-P	22.62	22.62	23.84	-10.74	743.95	31.209 (2)
6-21-P	22.62	22.62	29.96	0.00	743.95	61.008 (1)
6-22-P	22.62	22.62	39.16	0.00	743.95	100.000 (1)
6-23-P	22.62	22.62	38.69	0.00	743.95	100.000 (1)
6-24-P	22.62	22.62	38.22	0.00	743.95	100.000 (1)
6-25-P	22.62	22.62	28.11	0.00	743.95	61.732 (1)
6-26-P	22.62	22.62	23.80	-10.44	743.95	31.257 (2)
6-27-P	22.62	22.62	27.03	-14.94	743.95	27.522 (2)
6-28-P	22.62	22.62	17.74	-15.68	743.95	17.970 (2)
6-29-P	22.62	22.62	25.70	-33.66	743.95	9.650 (2)
6-30-P	22.62	22.62	17.78	-15.67	743.95	17.933 (2)
6-31-P	22.62	22.62	27.18	-14.99	743.95	27.373 (2)
6-32-P	22.62	22.62	23.97	-10.46	743.95	31.040 (2)
6-33-P	22.62	22.62	25.58	0.00	743.95	60.756 (1)
6-34-P	22.62	22.62	35.06	0.00	743.95	100.000 (1)
6-35-P	22.62	22.62	34.91	0.00	743.95	100.000 (1)
6-36-P	22.62	22.62	34.76	0.00	743.95	100.000 (1)
6-37-P	22.62	22.62	24.98	0.00	743.95	60.969 (1)
6-38-P	22.62	22.62	23.95	-10.40	743.95	31.064 (2)
6-39-P	22.62	22.62	27.16	-14.91	743.95	27.395 (2)
6-40-P	22.62	22.62	0.00	-42.64	743.95	17.912 (1)
6-41-P	22.62	22.62	25.73	-33.59	743.95	9.638 (2)
6-42-P	22.62	22.62	0.00	-42.64	743.95	17.912 (1)
6-43-P	22.62	22.62	27.16	-14.91	743.95	27.395 (2)
6-44-P	22.62	22.62	23.95	-10.40	743.95	31.064 (2)
6-45-P	22.62	22.62	24.98	0.00	743.95	60.969 (1)
6-46-P	22.62	22.62	34.76	0.00	743.95	100.000 (1)
6-47-P	22.62	22.62	34.91	0.00	743.95	100.000 (1)
6-48-P	22.62	22.62	35.06	0.00	743.95	100.000 (1)
6-49-P	22.62	22.62	25.58	0.00	743.95	60.756 (1)
6-50-P	22.62	22.62	23.97	-10.46	743.95	31.040 (2)
6-51-P	22.62	22.62	27.18	-14.99	743.95	27.373 (2)
6-52-P	22.62	22.62	17.78	-15.67	743.95	17.933 (2)
6-53-P	22.62	22.62	25.70	-33.66	743.95	9.650 (2)
6-54-P	22.62	22.62	17.74	-15.68	743.95	17.970 (2)
6-55-P	22.62	22.62	27.03	-14.94	743.95	27.522 (2)
6-56-P	22.62	22.62	23.80	-10.44	743.95	31.257 (2)
6-57-P	22.62	22.62	28.11	0.00	743.95	61.732 (1)
6-58-P	22.62	22.62	38.22	0.00	743.95	100.000 (1)
6-59-P	22.62	22.62	38.69	0.00	743.95	100.000 (1)
6-60-P	22.62	22.62	39.16	0.00	743.95	100.000 (1)
6-61-P	22.62	22.62	29.96	0.00	743.95	61.008 (1)
6-62-P	22.62	22.62	23.84	-10.74	743.95	31.209 (2)
6-63-P	22.62	22.62	27.11	-15.35	743.95	27.440 (2)
6-64-P	22.62	22.62	17.62	-15.94	743.95	18.092 (2)
6-65-P	22.62	22.62	25.52	-33.90	743.95	9.719 (2)
6-66-P	22.62	22.62	17.49	-15.77	743.95	18.227 (2)
6-67-P	22.62	22.62	26.40	-14.55	743.95	28.183 (2)
6-68-P	22.62	22.62	23.20	-9.94	743.95	32.064 (2)
6-69-P	22.62	22.62	32.43	0.00	743.95	65.248 (1)
6-70-P	22.62	22.62	41.97	0.00	743.95	100.000 (1)
6-71-P	22.62	22.62	41.39	0.00	743.95	100.000 (1)
6-72-P	22.62	22.62	40.80	0.00	743.95	100.000 (1)
6-73-P	22.62	22.62	30.00	0.00	743.95	51.057 (1)
6-74-P	22.62	22.62	27.15	-11.66	743.95	27.404 (2)
6-75-P	22.62	22.62	30.92	-16.12	743.95	24.059 (2)
6-76-P	22.62	22.62	0.00	-42.93	743.95	17.343 (1)
6-77-P	22.62	22.62	0.00	-79.76	743.95	9.638 (1)
6-78-P	22.62	22.62	0.00	-47.40	743.95	21.481 (1)
6-79-P	22.62	22.62	30.55	-12.38	743.95	24.353 (2)
6-80-P	22.62	22.62	14.81	-9.07	743.95	50.238 (2)
6-81-P	22.62	22.62	6.85	-14.19	-743.95	41.949 (2)
7-1-S	22.62	22.62	0.08	-0.01	745.15	100.000 (1)
7-2-S	22.62	22.62	0.00	-1.03	-745.15	100.000 (1)
7-3-S	22.62	22.62	0.00	-2.13	-745.15	100.000 (1)
7-4-S	22.62	22.62	0.00	-3.25	-745.15	100.000 (1)
7-5-S	22.62	22.62	0.00	-676.81	-745.15	1.101 (2)
7-6-S	22.62	22.62	0.00	-552.91	-745.15	1.348 (2)
7-7-S	22.62	22.62	0.00	-429.00	-745.15	1.737 (2)
7-8-S	22.62	22.62	0.00	-324.49	-745.15	2.296 (2)
7-9-S	22.62	22.62	0.00	-222.91	-745.15	3.343 (2)
7-10-S	22.62	22.62	0.00	-125.52	-745.15	5.936 (2)
7-11-S	22.62	22.62	62.60	0.00	-745.15	24.137 (1)
7-12-S	22.62	22.62	74.71	0.00	745.15	12.019 (1)
7-13-S	22.62	22.62	149.19	0.00	745.15	4.994 (2)
7-14-S	22.62	22.62	187.42	0.00	745.15	3.976 (2)
7-15-S	22.62	22.62	172.74	-1.87	745.15	4.314 (2)
7-16-S	22.62	22.62	128.13	-3.57	745.15	5.815 (2)
7-17-S	22.62	22.62	60.77	-39.45	745.15	9.343 (2)
7-18-S	22.62	22.62	41.28	-44.01	-745.15	10.159 (2)
7-19-S	22.62	22.62	21.75	-17.61	-745.15	25.391 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
8-1-S	22.62	22.62	0.02	-0.01	745.15	100.000 (1)
8-2-S	22.62	22.62	0.00	-1.15	-745.15	100.000 (1)
8-3-S	22.62	22.62	0.00	-2.32	-745.15	100.000 (1)
8-4-S	22.62	22.62	0.00	-3.49	-745.15	100.000 (1)
8-5-S	22.62	22.62	0.00	-672.52	-745.15	1.108 (2)
8-6-S	22.62	22.62	0.00	-554.67	-745.15	1.343 (2)
8-7-S	22.62	22.62	0.00	-436.81	-745.15	1.706 (2)
8-8-S	22.62	22.62	0.00	-332.43	-745.15	2.242 (2)
8-9-S	22.62	22.62	0.00	-230.08	-745.15	3.239 (2)
8-10-S	22.62	22.62	0.00	-135.77	-745.15	5.488 (2)
8-11-S	22.62	22.62	56.27	0.00	-745.15	16.775 (1)
8-12-S	22.62	22.62	71.03	0.00	745.15	13.656 (1)
8-13-S	22.62	22.62	130.61	-0.10	745.15	5.705 (2)
8-14-S	22.62	22.62	169.11	-0.61	745.15	4.406 (2)
8-15-S	22.62	22.62	157.37	-4.49	745.15	4.735 (2)
8-16-S	22.62	22.62	114.05	-6.40	745.15	6.534 (2)
8-17-S	22.62	22.62	53.86	-48.16	745.15	11.068 (2)
8-18-S	22.62	22.62	36.47	-55.97	-745.15	13.314 (2)
8-19-S	22.62	22.62	18.90	-26.36	-745.15	28.267 (2)
9-1-S	22.62	22.62	0.00	-0.03	-745.15	100.000 (1)
9-2-S	22.62	22.62	0.00	-1.14	-745.15	100.000 (1)
9-3-S	22.62	22.62	0.00	-2.25	-745.15	100.000 (1)
9-4-S	22.62	22.62	0.00	-3.37	-745.15	100.000 (1)
9-5-S	22.62	22.62	0.00	-652.57	-745.15	1.142 (2)
9-6-S	22.62	22.62	0.00	-542.83	-745.15	1.373 (2)
9-7-S	22.62	22.62	0.00	-433.08	-745.15	1.721 (2)
9-8-S	22.62	22.62	0.00	-334.55	-745.15	2.227 (2)
9-9-S	22.62	22.62	0.00	-237.71	-745.15	3.135 (2)
9-10-S	22.62	22.62	0.00	-156.16	-745.15	4.772 (2)
9-11-S	22.62	22.62	0.00	-80.05	-745.15	9.308 (2)
9-12-S	22.62	22.62	45.52	0.00	-745.15	33.481 (1)
9-13-S	22.62	22.62	50.01	0.00	745.15	31.187 (1)
9-14-S	22.62	22.62	51.22	-0.13	745.15	14.549 (2)
9-15-S	22.62	22.62	58.27	-0.16	745.15	12.788 (2)
9-16-S	22.62	22.62	56.92	-0.17	745.15	13.090 (2)
9-17-S	22.62	22.62	39.52	-0.16	745.15	18.854 (2)
9-18-S	22.62	22.62	27.01	-0.06	745.15	27.592 (2)
9-19-S	22.62	22.62	16.97	0.00	745.15	43.909 (2)
10-1-S	22.62	22.62	0.01	-0.01	745.15	100.000 (1)
10-2-S	22.62	22.62	0.00	-1.15	-745.15	100.000 (1)
10-3-S	22.62	22.62	0.00	-2.30	-745.15	100.000 (1)
10-4-S	22.62	22.62	0.00	-3.45	-745.15	100.000 (1)
10-5-S	22.62	22.62	0.00	-653.67	-745.15	1.140 (2)
10-6-S	22.62	22.62	0.00	-543.90	-745.15	1.370 (2)
10-7-S	22.62	22.62	0.00	-434.13	-745.15	1.716 (2)
10-8-S	22.62	22.62	0.00	-334.57	-745.15	2.227 (2)
10-9-S	22.62	22.62	0.00	-236.55	-745.15	3.150 (2)
10-10-S	22.62	22.62	0.00	-144.91	-745.15	5.142 (2)
10-11-S	22.62	22.62	0.00	-55.54	-745.15	13.416 (2)
10-12-S	22.62	22.62	61.36	0.00	745.15	16.389 (1)
10-13-S	22.62	22.62	116.55	-0.10	745.15	6.394 (2)
10-14-S	22.62	22.62	155.53	-0.45	745.15	4.791 (2)
10-15-S	22.62	22.62	145.99	-3.77	745.15	5.104 (2)
10-16-S	22.62	22.62	106.06	-5.33	745.15	7.026 (2)
10-17-S	22.62	22.62	50.06	-45.62	745.15	11.909 (2)
10-18-S	22.62	22.62	34.02	-53.31	-745.15	13.311 (2)
10-19-S	22.62	22.62	16.75	-24.59	745.15	26.689 (2)
11-1-S	22.62	22.62	0.03	-0.01	745.15	100.000 (1)
11-2-S	22.62	22.62	0.00	-1.07	-745.15	100.000 (1)
11-3-S	22.62	22.62	0.00	-2.16	-745.15	100.000 (1)
11-4-S	22.62	22.62	0.00	-3.26	-745.15	100.000 (1)
11-5-S	22.62	22.62	0.00	-651.58	-745.15	1.144 (2)
11-6-S	22.62	22.62	0.00	-542.34	-745.15	1.374 (2)
11-7-S	22.62	22.62	0.00	-433.11	-745.15	1.720 (2)
11-8-S	22.62	22.62	0.00	-334.13	-745.15	2.230 (2)
11-9-S	22.62	22.62	0.00	-236.71	-745.15	3.148 (2)
11-10-S	22.62	22.62	0.00	-145.51	-745.15	5.121 (2)
11-11-S	22.62	22.62	0.00	-56.53	-745.15	13.183 (2)
11-12-S	22.62	22.62	57.49	0.00	745.15	16.585 (1)
11-13-S	22.62	22.62	115.30	-0.13	745.15	6.463 (2)
11-14-S	22.62	22.62	154.40	-0.56	745.15	4.826 (2)
11-15-S	22.62	22.62	145.25	-4.12	745.15	5.130 (2)
11-16-S	22.62	22.62	105.65	-5.78	745.15	7.053 (2)
11-17-S	22.62	22.62	49.97	-46.09	745.15	11.930 (2)
11-18-S	22.62	22.62	34.07	-53.70	-745.15	13.875 (2)
11-19-S	22.62	22.62	17.02	-25.01	745.15	26.273 (2)
12-1-S	22.62	22.62	0.01	-0.02	745.15	100.000 (1)
12-2-S	22.62	22.62	0.00	-1.12	-745.15	100.000 (1)
12-3-S	22.62	22.62	0.00	-2.23	-745.15	100.000 (1)
12-4-S	22.62	22.62	0.00	-3.34	-745.15	100.000 (1)
12-5-S	22.62	22.62	0.00	-644.07	-745.15	1.157 (2)
12-6-S	22.62	22.62	0.00	-536.91	-745.15	1.388 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
12-7-S	22.62	22.62	0.00	-429.76	-745.15	1.734 (2)
12-8-S	22.62	22.62	0.00	-333.61	-745.15	2.234 (2)
12-9-S	22.62	22.62	0.00	-239.12	-745.15	3.116 (2)
12-10-S	22.62	22.62	0.00	-159.19	-745.15	4.681 (2)
12-11-S	22.62	22.62	0.00	-84.44	-745.15	8.824 (2)
12-12-S	22.62	22.62	34.09	0.00	-745.15	27.264 (1)
12-13-S	22.62	22.62	40.98	0.00	745.15	40.065 (1)
12-14-S	22.62	22.62	46.12	-0.12	745.15	16.156 (2)
12-15-S	22.62	22.62	53.94	-0.14	745.15	13.814 (2)
12-16-S	22.62	22.62	53.53	-0.16	745.15	13.920 (2)
12-17-S	22.62	22.62	37.37	-0.16	745.15	19.941 (2)
12-18-S	22.62	22.62	25.59	0.00	745.15	29.118 (2)
12-19-S	22.62	22.62	16.19	0.00	745.15	46.029 (2)
13-1-S	22.62	22.62	0.01	-0.01	745.15	100.000 (1)
13-2-S	22.62	22.62	0.00	-1.15	-745.15	100.000 (1)
13-3-S	22.62	22.62	0.00	-2.30	-745.15	100.000 (1)
13-4-S	22.62	22.62	0.00	-3.45	-745.15	100.000 (1)
13-5-S	22.62	22.62	0.00	-651.03	-745.15	1.145 (2)
13-6-S	22.62	22.62	0.00	-541.88	-745.15	1.375 (2)
13-7-S	22.62	22.62	0.00	-432.74	-745.15	1.722 (2)
13-8-S	22.62	22.62	0.00	-333.94	-745.15	2.231 (2)
13-9-S	22.62	22.62	0.00	-236.71	-745.15	3.148 (2)
13-10-S	22.62	22.62	0.00	-145.69	-745.15	5.115 (2)
13-11-S	22.62	22.62	0.00	-56.87	-745.15	13.103 (2)
13-12-S	22.62	22.62	52.38	0.00	745.15	16.748 (1)
13-13-S	22.62	22.62	114.77	-0.11	745.15	6.493 (2)
13-14-S	22.62	22.62	153.83	-0.51	745.15	4.844 (2)
13-15-S	22.62	22.62	144.71	-4.03	745.15	5.149 (2)
13-16-S	22.62	22.62	105.15	-5.67	745.15	7.086 (2)
13-17-S	22.62	22.62	49.73	-46.11	745.15	11.987 (2)
13-18-S	22.62	22.62	33.90	-53.69	-745.15	13.878 (2)
13-19-S	22.62	22.62	16.88	-24.95	745.15	26.486 (2)
14-1-S	22.62	22.62	0.03	0.00	745.15	100.000 (1)
14-2-S	22.62	22.62	0.00	-1.07	-745.15	100.000 (1)
14-3-S	22.62	22.62	0.00	-2.16	-745.15	100.000 (1)
14-4-S	22.62	22.62	0.00	-3.26	-745.15	100.000 (1)
14-5-S	22.62	22.62	0.00	-651.15	-745.15	1.144 (2)
14-6-S	22.62	22.62	0.00	-541.98	-745.15	1.375 (2)
14-7-S	22.62	22.62	0.00	-432.81	-745.15	1.722 (2)
14-8-S	22.62	22.62	0.00	-334.00	-745.15	2.231 (2)
14-9-S	22.62	22.62	0.00	-236.76	-745.15	3.147 (2)
14-10-S	22.62	22.62	0.00	-145.73	-745.15	5.113 (2)
14-11-S	22.62	22.62	0.00	-56.91	-745.15	13.092 (2)
14-12-S	22.62	22.62	50.99	0.00	745.15	16.748 (1)
14-13-S	22.62	22.62	114.73	-0.12	745.15	6.495 (2)
14-14-S	22.62	22.62	153.80	-0.52	745.15	4.845 (2)
14-15-S	22.62	22.62	144.71	-4.07	745.15	5.149 (2)
14-16-S	22.62	22.62	105.17	-5.71	745.15	7.085 (2)
14-17-S	22.62	22.62	49.75	-46.14	745.15	11.982 (2)
14-18-S	22.62	22.62	33.92	-53.72	-745.15	13.872 (2)
14-19-S	22.62	22.62	16.91	-24.98	745.15	26.441 (2)
15-1-S	22.62	22.62	0.01	-0.02	745.15	100.000 (1)
15-2-S	22.62	22.62	0.00	-1.12	-745.15	100.000 (1)
15-3-S	22.62	22.62	0.00	-2.23	-745.15	100.000 (1)
15-4-S	22.62	22.62	0.00	-3.34	-745.15	100.000 (1)
15-5-S	22.62	22.62	0.00	-644.30	-745.15	1.157 (2)
15-6-S	22.62	22.62	0.00	-537.09	-745.15	1.387 (2)
15-7-S	22.62	22.62	0.00	-429.88	-745.15	1.733 (2)
15-8-S	22.62	22.62	0.00	-333.72	-745.15	2.233 (2)
15-9-S	22.62	22.62	0.00	-239.24	-745.15	3.115 (2)
15-10-S	22.62	22.62	0.00	-159.33	-745.15	4.677 (2)
15-11-S	22.62	22.62	0.00	-84.60	-745.15	8.808 (2)
15-12-S	22.62	22.62	29.75	0.00	-745.15	27.095 (1)
15-13-S	22.62	22.62	37.32	0.00	745.15	40.445 (1)
15-14-S	22.62	22.62	45.95	-0.12	745.15	16.218 (2)
15-15-S	22.62	22.62	53.79	-0.13	745.15	13.854 (2)
15-16-S	22.62	22.62	53.40	-0.15	745.15	13.955 (2)
15-17-S	22.62	22.62	37.27	-0.14	745.15	19.993 (2)
15-18-S	22.62	22.62	25.54	0.00	745.15	29.177 (2)
15-19-S	22.62	22.62	16.17	0.00	745.15	46.089 (2)
16-1-S	27.14	27.14	0.01	-0.01	892.70	100.000 (1)
16-2-S	27.14	27.14	0.00	-1.15	-892.70	100.000 (1)
16-3-S	27.14	27.14	0.00	-2.30	-892.70	100.000 (1)
16-4-S	27.14	27.14	0.00	-3.45	-892.70	100.000 (1)
16-5-S	27.14	27.14	0.00	-651.33	-892.70	1.371 (2)
16-6-S	27.14	27.14	0.00	-542.13	-892.70	1.647 (2)
16-7-S	27.14	27.14	0.00	-432.93	-892.70	2.062 (2)
16-8-S	27.14	27.14	0.00	-334.10	-892.70	2.672 (2)
16-9-S	27.14	27.14	0.00	-236.84	-892.70	3.769 (2)
16-10-S	27.14	27.14	0.00	-145.80	-892.70	6.123 (2)
16-11-S	27.14	27.14	0.00	-56.97	-892.70	15.671 (2)
16-12-S	27.14	27.14	49.78	0.00	892.70	20.086 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
16-13-S	27.14	27.14	114.70	-0.11	892.70	7.783 (2)
16-14-S	27.14	27.14	153.77	-0.51	892.70	5.806 (2)
16-15-S	27.14	27.14	144.67	-4.04	892.70	6.171 (2)
16-16-S	27.14	27.14	105.13	-5.68	892.70	8.491 (2)
16-17-S	27.14	27.14	49.72	-46.12	892.70	14.363 (2)
16-18-S	27.14	27.14	33.90	-53.70	-892.70	16.625 (2)
16-19-S	27.14	27.14	16.89	-24.96	892.70	31.719 (2)
17-1-S	22.62	22.62	0.03	0.00	745.15	100.000 (1)
17-2-S	22.62	22.62	0.00	-1.07	-745.15	100.000 (1)
17-3-S	22.62	22.62	0.00	-2.16	-745.15	100.000 (1)
17-4-S	22.62	22.62	0.00	-3.26	-745.15	100.000 (1)
17-5-S	22.62	22.62	0.00	-651.33	-745.15	1.144 (2)
17-6-S	22.62	22.62	0.00	-542.13	-745.15	1.374 (2)
17-7-S	22.62	22.62	0.00	-432.93	-745.15	1.721 (2)
17-8-S	22.62	22.62	0.00	-334.10	-745.15	2.230 (2)
17-9-S	22.62	22.62	0.00	-236.84	-745.15	3.146 (2)
17-10-S	22.62	22.62	0.00	-145.80	-745.15	5.111 (2)
17-11-S	22.62	22.62	0.00	-56.97	-745.15	13.081 (2)
17-12-S	22.62	22.62	49.78	0.00	745.15	16.766 (1)
17-13-S	22.62	22.62	114.70	-0.11	745.15	6.497 (2)
17-14-S	22.62	22.62	153.77	-0.51	745.15	4.846 (2)
17-15-S	22.62	22.62	144.67	-4.04	745.15	5.151 (2)
17-16-S	22.62	22.62	105.13	-5.68	745.15	7.088 (2)
17-17-S	22.62	22.62	49.72	-46.12	745.15	11.989 (2)
17-18-S	22.62	22.62	33.90	-53.70	-745.15	13.877 (2)
17-19-S	22.62	22.62	16.89	-24.96	745.15	26.476 (2)
18-1-S	22.62	22.62	0.01	-0.02	745.15	100.000 (1)
18-2-S	22.62	22.62	0.00	-1.12	-745.15	100.000 (1)
18-3-S	22.62	22.62	0.00	-2.23	-745.15	100.000 (1)
18-4-S	22.62	22.62	0.00	-3.34	-745.15	100.000 (1)
18-5-S	22.62	22.62	0.00	-644.30	-745.15	1.157 (2)
18-6-S	22.62	22.62	0.00	-537.09	-745.15	1.387 (2)
18-7-S	22.62	22.62	0.00	-429.88	-745.15	1.733 (2)
18-8-S	22.62	22.62	0.00	-333.72	-745.15	2.233 (2)
18-9-S	22.62	22.62	0.00	-239.24	-745.15	3.115 (2)
18-10-S	22.62	22.62	0.00	-159.33	-745.15	4.677 (2)
18-11-S	22.62	22.62	0.00	-84.60	-745.15	8.808 (2)
18-12-S	22.62	22.62	29.75	0.00	-745.15	27.095 (1)
18-13-S	22.62	22.62	37.32	0.00	745.15	40.445 (1)
18-14-S	22.62	22.62	45.95	-0.12	745.15	16.218 (2)
18-15-S	22.62	22.62	53.79	-0.13	745.15	13.854 (2)
18-16-S	22.62	22.62	53.40	-0.15	745.15	13.955 (2)
18-17-S	22.62	22.62	37.27	-0.14	745.15	19.993 (2)
18-18-S	22.62	22.62	25.54	0.00	745.15	29.177 (2)
18-19-S	22.62	22.62	16.17	0.00	745.15	46.089 (2)
19-1-S	22.62	22.62	0.01	-0.01	745.15	100.000 (1)
19-2-S	22.62	22.62	0.00	-1.15	-745.15	100.000 (1)
19-3-S	22.62	22.62	0.00	-2.30	-745.15	100.000 (1)
19-4-S	22.62	22.62	0.00	-3.45	-745.15	100.000 (1)
19-5-S	22.62	22.62	0.00	-651.15	-745.15	1.144 (2)
19-6-S	22.62	22.62	0.00	-541.98	-745.15	1.375 (2)
19-7-S	22.62	22.62	0.00	-432.81	-745.15	1.722 (2)
19-8-S	22.62	22.62	0.00	-334.00	-745.15	2.231 (2)
19-9-S	22.62	22.62	0.00	-236.76	-745.15	3.147 (2)
19-10-S	22.62	22.62	0.00	-145.73	-745.15	5.113 (2)
19-11-S	22.62	22.62	0.00	-56.91	-745.15	13.092 (2)
19-12-S	22.62	22.62	50.99	0.00	745.15	16.748 (1)
19-13-S	22.62	22.62	114.73	-0.12	745.15	6.495 (2)
19-14-S	22.62	22.62	153.80	-0.52	745.15	4.845 (2)
19-15-S	22.62	22.62	144.71	-4.07	745.15	5.149 (2)
19-16-S	22.62	22.62	105.17	-5.71	745.15	7.085 (2)
19-17-S	22.62	22.62	49.75	-46.14	745.15	11.982 (2)
19-18-S	22.62	22.62	33.92	-53.72	-745.15	13.872 (2)
19-19-S	22.62	22.62	16.91	-24.98	745.15	26.441 (2)
20-1-S	22.62	22.62	0.03	0.00	745.15	100.000 (1)
20-2-S	22.62	22.62	0.00	-1.07	-745.15	100.000 (1)
20-3-S	22.62	22.62	0.00	-2.16	-745.15	100.000 (1)
20-4-S	22.62	22.62	0.00	-3.26	-745.15	100.000 (1)
20-5-S	22.62	22.62	0.00	-651.03	-745.15	1.145 (2)
20-6-S	22.62	22.62	0.00	-541.88	-745.15	1.375 (2)
20-7-S	22.62	22.62	0.00	-432.74	-745.15	1.722 (2)
20-8-S	22.62	22.62	0.00	-333.94	-745.15	2.231 (2)
20-9-S	22.62	22.62	0.00	-236.71	-745.15	3.148 (2)
20-10-S	22.62	22.62	0.00	-145.69	-745.15	5.115 (2)
20-11-S	22.62	22.62	0.00	-56.87	-745.15	13.103 (2)
20-12-S	22.62	22.62	52.38	0.00	745.15	16.748 (1)
20-13-S	22.62	22.62	114.77	-0.11	745.15	6.493 (2)
20-14-S	22.62	22.62	153.83	-0.51	745.15	4.844 (2)
20-15-S	22.62	22.62	144.71	-4.03	745.15	5.149 (2)
20-16-S	22.62	22.62	105.15	-5.67	745.15	7.086 (2)
20-17-S	22.62	22.62	49.73	-46.11	745.15	11.987 (2)
20-18-S	22.62	22.62	33.90	-53.69	-745.15	13.878 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
20-19-S	22.62	22.62	16.88	-24.95	745.15	26.486 (2)
21-1-S	22.62	22.62	0.01	-0.02	745.15	100.000 (1)
21-2-S	22.62	22.62	0.00	-1.12	-745.15	100.000 (1)
21-3-S	22.62	22.62	0.00	-2.23	-745.15	100.000 (1)
21-4-S	22.62	22.62	0.00	-3.34	-745.15	100.000 (1)
21-5-S	22.62	22.62	0.00	-644.07	-745.15	1.157 (2)
21-6-S	22.62	22.62	0.00	-536.91	-745.15	1.388 (2)
21-7-S	22.62	22.62	0.00	-429.76	-745.15	1.734 (2)
21-8-S	22.62	22.62	0.00	-333.61	-745.15	2.234 (2)
21-9-S	22.62	22.62	0.00	-239.12	-745.15	3.116 (2)
21-10-S	22.62	22.62	0.00	-159.19	-745.15	4.681 (2)
21-11-S	22.62	22.62	0.00	-84.44	-745.15	8.824 (2)
21-12-S	22.62	22.62	34.09	0.00	-745.15	27.264 (1)
21-13-S	22.62	22.62	40.98	0.00	745.15	40.065 (1)
21-14-S	22.62	22.62	46.12	-0.12	745.15	16.156 (2)
21-15-S	22.62	22.62	53.94	-0.14	745.15	13.814 (2)
21-16-S	22.62	22.62	53.53	-0.16	745.15	13.920 (2)
21-17-S	22.62	22.62	37.37	-0.16	745.15	19.941 (2)
21-18-S	22.62	22.62	25.59	0.00	745.15	29.118 (2)
21-19-S	22.62	22.62	16.19	0.00	745.15	46.029 (2)
22-1-S	22.62	22.62	0.01	-0.01	745.15	100.000 (1)
22-2-S	22.62	22.62	0.00	-1.15	-745.15	100.000 (1)
22-3-S	22.62	22.62	0.00	-2.30	-745.15	100.000 (1)
22-4-S	22.62	22.62	0.00	-3.45	-745.15	100.000 (1)
22-5-S	22.62	22.62	0.00	-651.58	-745.15	1.144 (2)
22-6-S	22.62	22.62	0.00	-542.34	-745.15	1.374 (2)
22-7-S	22.62	22.62	0.00	-433.11	-745.15	1.720 (2)
22-8-S	22.62	22.62	0.00	-334.13	-745.15	2.230 (2)
22-9-S	22.62	22.62	0.00	-236.71	-745.15	3.148 (2)
22-10-S	22.62	22.62	0.00	-145.51	-745.15	5.121 (2)
22-11-S	22.62	22.62	0.00	-56.53	-745.15	13.183 (2)
22-12-S	22.62	22.62	57.49	0.00	745.15	16.585 (1)
22-13-S	22.62	22.62	115.30	-0.13	745.15	6.463 (2)
22-14-S	22.62	22.62	154.40	-0.56	745.15	4.826 (2)
22-15-S	22.62	22.62	145.25	-4.12	745.15	5.130 (2)
22-16-S	22.62	22.62	105.65	-5.78	745.15	7.053 (2)
22-17-S	22.62	22.62	49.97	-46.09	745.15	11.930 (2)
22-18-S	22.62	22.62	34.07	-53.70	-745.15	13.875 (2)
22-19-S	22.62	22.62	17.02	-25.01	745.15	26.273 (2)
23-1-S	22.62	22.62	0.03	0.00	745.15	100.000 (1)
23-2-S	22.62	22.62	0.00	-1.06	-745.15	100.000 (1)
23-3-S	22.62	22.62	0.00	-2.16	-745.15	100.000 (1)
23-4-S	22.62	22.62	0.00	-3.26	-745.15	100.000 (1)
23-5-S	22.62	22.62	0.00	-653.67	-745.15	1.140 (2)
23-6-S	22.62	22.62	0.00	-543.90	-745.15	1.370 (2)
23-7-S	22.62	22.62	0.00	-434.13	-745.15	1.716 (2)
23-8-S	22.62	22.62	0.00	-334.57	-745.15	2.227 (2)
23-9-S	22.62	22.62	0.00	-236.55	-745.15	3.150 (2)
23-10-S	22.62	22.62	0.00	-144.91	-745.15	5.142 (2)
23-11-S	22.62	22.62	0.00	-55.54	-745.15	13.416 (2)
23-12-S	22.62	22.62	61.36	0.00	745.15	16.389 (1)
23-13-S	22.62	22.62	116.55	-0.10	745.15	6.394 (2)
23-14-S	22.62	22.62	155.53	-0.45	745.15	4.791 (2)
23-15-S	22.62	22.62	145.99	-3.77	745.15	5.104 (2)
23-16-S	22.62	22.62	106.06	-5.33	745.15	7.026 (2)
23-17-S	22.62	22.62	50.06	-45.62	745.15	11.909 (2)
23-18-S	22.62	22.62	34.02	-53.31	-745.15	13.311 (2)
23-19-S	22.62	22.62	16.75	-24.59	745.15	26.689 (2)
24-1-S	22.62	22.62	0.01	0.00	745.15	100.000 (1)
24-2-S	22.62	22.62	0.00	-1.10	-745.15	100.000 (1)
24-3-S	22.62	22.62	0.00	-2.20	-745.15	100.000 (1)
24-4-S	22.62	22.62	0.00	-3.31	-745.15	100.000 (1)
24-5-S	22.62	22.62	0.00	-652.57	-745.15	1.142 (2)
24-6-S	22.62	22.62	0.00	-542.83	-745.15	1.373 (2)
24-7-S	22.62	22.62	0.00	-433.08	-745.15	1.721 (2)
24-8-S	22.62	22.62	0.00	-334.55	-745.15	2.227 (2)
24-9-S	22.62	22.62	0.00	-237.71	-745.15	3.135 (2)
24-10-S	22.62	22.62	0.00	-156.16	-745.15	4.772 (2)
24-11-S	22.62	22.62	0.00	-80.05	-745.15	9.308 (2)
24-12-S	22.62	22.62	45.52	0.00	-745.15	33.481 (1)
24-13-S	22.62	22.62	50.01	0.00	745.15	31.187 (1)
24-14-S	22.62	22.62	51.22	-0.13	745.15	14.549 (2)
24-15-S	22.62	22.62	58.27	-0.16	745.15	12.788 (2)
24-16-S	22.62	22.62	56.92	-0.17	745.15	13.090 (2)
24-17-S	22.62	22.62	39.52	-0.16	745.15	18.854 (2)
24-18-S	22.62	22.62	27.01	-0.06	745.15	27.592 (2)
24-19-S	22.62	22.62	16.97	0.00	745.15	43.909 (2)
25-1-S	22.62	22.62	0.04	0.00	745.15	100.000 (1)
25-2-S	22.62	22.62	0.00	-1.07	-745.15	100.000 (1)
25-3-S	22.62	22.62	0.00	-2.17	-745.15	100.000 (1)
25-4-S	22.62	22.62	0.00	-3.28	-745.15	100.000 (1)
25-5-S	22.62	22.62	0.00	-672.52	-745.15	1.108 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
25-6-S	22.62	22.62	0.00	-554.67	-745.15	1.343 (2)
25-7-S	22.62	22.62	0.00	-436.81	-745.15	1.706 (2)
25-8-S	22.62	22.62	0.00	-332.43	-745.15	2.242 (2)
25-9-S	22.62	22.62	0.00	-230.08	-745.15	3.239 (2)
25-10-S	22.62	22.62	0.00	-135.77	-745.15	5.488 (2)
25-11-S	22.62	22.62	56.27	0.00	-745.15	16.775 (1)
25-12-S	22.62	22.62	71.03	0.00	745.15	13.656 (1)
25-13-S	22.62	22.62	130.61	-0.10	745.15	5.705 (2)
25-14-S	22.62	22.62	169.11	-0.61	745.15	4.406 (2)
25-15-S	22.62	22.62	157.37	-4.49	745.15	4.735 (2)
25-16-S	22.62	22.62	114.05	-6.40	745.15	6.534 (2)
25-17-S	22.62	22.62	53.86	-48.16	745.15	11.068 (2)
25-18-S	22.62	22.62	36.47	-55.97	-745.15	13.314 (2)
25-19-S	22.62	22.62	18.90	-26.36	-745.15	28.267 (2)
26-1-S	22.62	22.62	0.05	-0.02	745.15	100.000 (1)
26-2-S	22.62	22.62	0.00	-1.14	-745.15	100.000 (1)
26-3-S	22.62	22.62	0.00	-2.31	-745.15	100.000 (1)
26-4-S	22.62	22.62	0.00	-3.48	-745.15	100.000 (1)
26-5-S	22.62	22.62	0.00	-676.81	-745.15	1.101 (2)
26-6-S	22.62	22.62	0.00	-552.91	-745.15	1.348 (2)
26-7-S	22.62	22.62	0.00	-429.00	-745.15	1.737 (2)
26-8-S	22.62	22.62	0.00	-324.49	-745.15	2.296 (2)
26-9-S	22.62	22.62	0.00	-222.91	-745.15	3.343 (2)
26-10-S	22.62	22.62	0.00	-125.52	-745.15	5.936 (2)
26-11-S	22.62	22.62	62.60	0.00	-745.15	24.137 (1)
26-12-S	22.62	22.62	74.71	0.00	745.15	12.019 (1)
26-13-S	22.62	22.62	149.19	0.00	745.15	4.994 (2)
26-14-S	22.62	22.62	187.42	0.00	745.15	3.976 (2)
26-15-S	22.62	22.62	172.74	-1.87	745.15	4.314 (2)
26-16-S	22.62	22.62	128.13	-3.57	745.15	5.815 (2)
26-17-S	22.62	22.62	60.77	-39.45	745.15	9.343 (2)
26-18-S	22.62	22.62	41.28	-44.01	-745.15	10.159 (2)
26-19-S	22.62	22.62	21.75	-17.61	-745.15	25.391 (2)

Pali in c.a.

Ip	Is	Ar [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	1	108.57	838.50	-432.79	1014.52	-523.65	1.210
2	1	106.44	838.50	1881.90	1452.29	3259.47	1.732

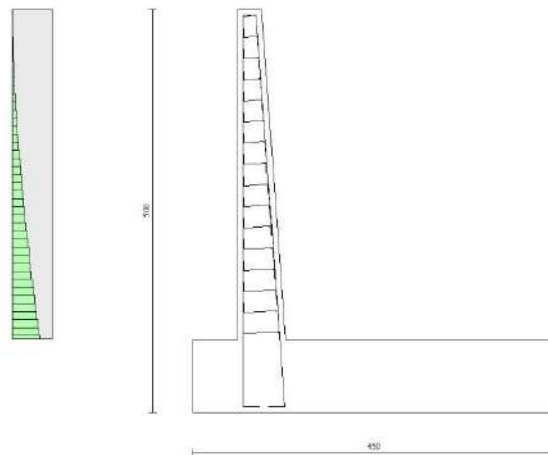


Fig. 10 - Paramento (Inviluppo)

RELAZIONE DI CALCOLO

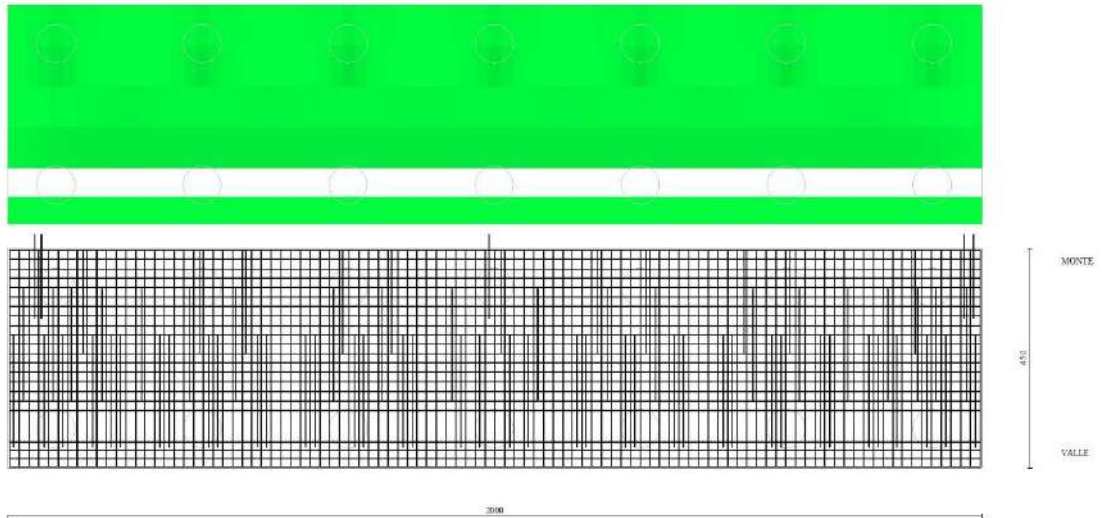


Fig. 11 - Piastra fondazione dir. X (Inviluppo)

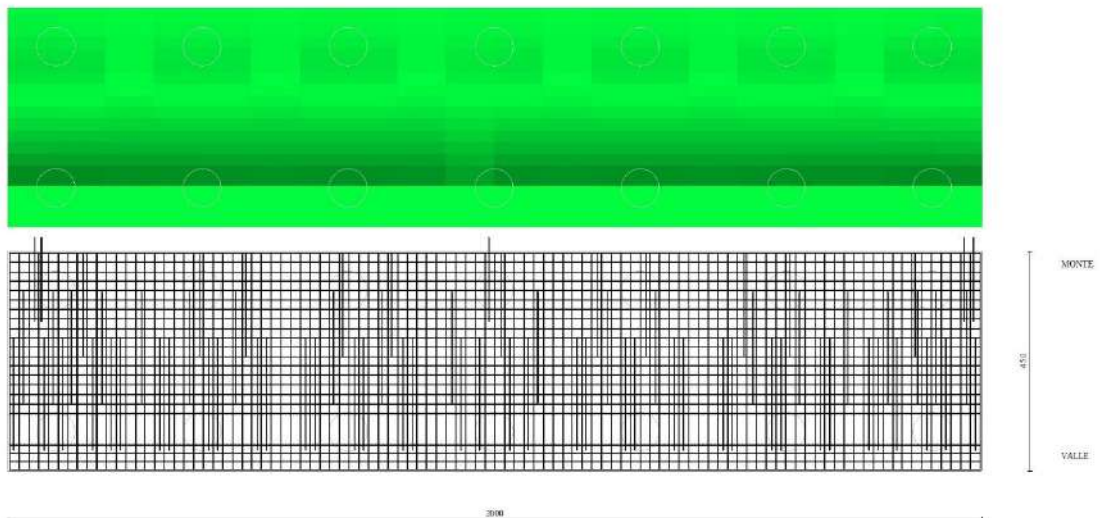


Fig. 12 - Piastra fondazione dir. Y (Inviluppo)

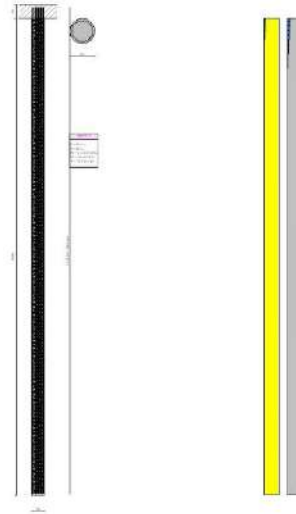


Fig. 13 - Pali (Palo n° 1) (Inviluppo)

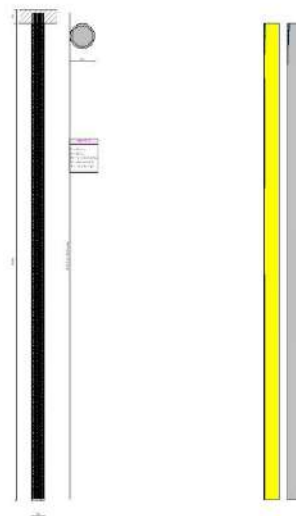


Fig. 14 - Pali (Palo n° 2) (Inviluppo)

Verifiche a taglio

Simbologia adottata

n° (o Is)	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espressa in [cm]
H	altezza sezione espressa in [cm]
A _{sw}	area ferri a taglio espressa in [cm ²]
cotgθ	inclinazione delle bielle compresse, θ inclinazione dei puntoni di calcestruzzo
V _{Rcd}	resistenza di progetto a 'taglio compressione' espressa in [kN]
V _{Rsd}	resistenza di progetto a 'taglio trazione' espressa in [kN]
V _{Rd}	resistenza di progetto a taglio espressa in [kN]. Per elementi con armature trasversali resistenti al taglio (A _{sw} >0.0) V _{Rd} =min(V _{Rcd} , V _{Rsd}).
T	taglio agente espressa in [kN]
FS	fattore di sicurezza (rapporto tra sollecitazione resistente e sollecitazione agente)

RELAZIONE DI CALCOLO

Paramento

n°	B [cm]	H [cm]	A _{sw} [cmq]	cotθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	100	30	0.00	--	0.00	0.00	212.70	0.00	100.000
2	100	31	0.00	--	0.00	0.00	215.56	2.95	73.001
3	100	31	0.00	--	0.00	0.00	218.38	5.96	36.647
4	100	32	0.00	--	0.00	0.00	221.18	9.02	24.525
5	100	33	0.00	--	0.00	0.00	223.95	12.13	18.460
6	100	34	0.00	--	0.00	0.00	226.69	15.30	14.818
7	100	34	0.00	--	0.00	0.00	229.40	18.52	12.388
8	100	35	0.00	--	0.00	0.00	232.09	21.79	10.650
9	100	36	0.00	--	0.00	0.00	234.75	25.12	9.346
10	100	37	0.00	--	0.00	0.00	237.40	28.50	8.330
11	100	37	0.00	--	0.00	0.00	240.02	31.93	7.516
12	100	38	0.00	--	0.00	0.00	242.61	35.42	6.850
13	100	39	0.00	--	0.00	0.00	245.19	38.96	6.293
14	100	40	0.00	--	0.00	0.00	247.75	42.55	5.822
15	100	40	0.00	--	0.00	0.00	250.29	46.20	5.417
16	100	41	0.00	--	0.00	0.00	252.81	49.90	5.066
17	100	42	0.00	--	0.00	0.00	255.31	53.66	4.758
18	100	42	0.00	--	0.00	0.00	257.80	57.46	4.486
19	100	43	0.00	--	0.00	0.00	260.27	61.32	4.244
20	100	44	0.00	--	0.00	0.00	262.72	65.24	4.027
21	100	45	0.00	--	0.00	0.00	265.16	69.21	3.831
22	100	45	0.00	--	0.00	0.00	267.58	73.23	3.654
23	100	46	0.00	--	0.00	0.00	269.99	77.30	3.493
24	100	47	0.00	--	0.00	0.00	272.38	81.43	3.345
25	100	48	0.00	--	0.00	0.00	274.77	85.61	3.209
26	100	48	0.00	--	0.00	0.00	277.13	89.85	3.085
27	100	49	0.00	--	0.00	0.00	279.49	94.14	2.969
28	100	50	0.00	--	0.00	0.00	281.83	98.48	2.862
29	100	51	0.00	--	0.00	0.00	284.16	102.87	2.762
30	100	51	0.00	--	0.00	0.00	286.48	107.32	2.669
31	100	52	0.00	--	0.00	0.00	288.79	111.82	2.583
32	100	53	0.00	--	0.00	0.00	291.09	116.38	2.501
33	100	53	0.00	--	0.00	0.00	293.38	120.99	2.425
34	100	54	0.00	--	0.00	0.00	295.65	125.65	2.353
35	100	55	0.00	--	0.00	0.00	297.92	130.37	2.285
36	100	56	0.00	--	0.00	0.00	300.18	135.14	2.221
37	100	56	0.00	--	0.00	0.00	302.43	139.96	2.161
38	100	57	0.00	--	0.00	0.00	304.66	144.83	2.104
39	100	58	0.00	--	0.00	0.00	306.89	149.76	2.049
40	100	59	0.00	--	0.00	0.00	309.11	154.75	1.998
41	100	59	0.00	--	0.00	0.00	311.33	159.78	1.948
42	100	60	0.00	--	0.00	0.00	313.53	164.87	1.900

Fondazione

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-1-P	55	90	0.00	2.000	0.00	0.00	198.87	0.14	100.000 (1)
1-2-P	55	90	0.00	2.000	0.00	0.00	198.87	0.14	100.000 (1)
1-3-P	55	90	0.00	2.000	0.00	0.00	198.87	0.14	100.000 (1)
1-4-P	55	90	0.00	2.000	0.00	0.00	198.87	0.14	100.000 (1)
1-5-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-6-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-7-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-8-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-9-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-10-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-11-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-12-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-13-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-14-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-15-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-16-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-17-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-18-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-19-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-20-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-21-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-22-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-23-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-24-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-25-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-26-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-27-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-28-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-29-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-30-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-31-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-32-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-33-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-34-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-35-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-36-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-37-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-38-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-39-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-40-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-41-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-42-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-43-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-44-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-45-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-46-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-47-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-48-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-49-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-50-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-51-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-52-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-53-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-54-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-55-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-56-P	55	90	0.00	2.000	0.00	0.00	198.87	0.01	100.000 (1)
1-57-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-58-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-59-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-60-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-61-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-62-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-63-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-64-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-65-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-66-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-67-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-68-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-69-P	55	90	0.00	2.000	0.00	0.00	198.87	0.02	100.000 (1)
1-70-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-71-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-72-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-73-P	55	90	0.00	2.000	0.00	0.00	198.87	0.06	100.000 (1)
1-74-P	55	90	0.00	2.000	0.00	0.00	198.87	0.06	100.000 (1)
1-75-P	55	90	0.00	2.000	0.00	0.00	198.87	0.06	100.000 (1)
1-76-P	55	90	0.00	2.000	0.00	0.00	198.87	0.06	100.000 (1)
1-77-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-78-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-79-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-80-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-81-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
3-1-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-2-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-3-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-4-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-5-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-6-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-7-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-8-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-9-P	84	90	0.00	2.000	0.00	0.00	283.54	6.05	46.890 (1)
3-10-P	84	90	0.00	2.000	0.00	0.00	283.54	6.05	46.890 (1)
3-11-P	84	90	0.00	2.000	0.00	0.00	283.54	0.08	100.000 (1)
3-12-P	84	90	0.00	2.000	0.00	0.00	283.54	0.08	100.000 (1)
3-13-P	84	90	0.00	2.000	0.00	0.00	283.54	4.54	62.428 (1)
3-14-P	84	90	0.00	2.000	0.00	0.00	283.54	4.54	62.428 (1)
3-15-P	84	90	0.00	2.000	0.00	0.00	283.54	4.04	70.230 (1)
3-16-P	84	90	0.00	2.000	0.00	0.00	283.54	4.04	70.230 (1)
3-17-P	84	90	0.00	2.000	0.00	0.00	283.54	3.79	74.790 (1)
3-18-P	84	90	0.00	2.000	0.00	0.00	283.54	3.79	74.790 (1)
3-19-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-20-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-21-P	84	90	0.00	2.000	0.00	0.00	283.54	2.90	97.714 (1)
3-22-P	84	90	0.00	2.000	0.00	0.00	283.54	2.90	97.714 (1)
3-23-P	84	90	0.00	2.000	0.00	0.00	283.54	0.14	100.000 (1)
3-24-P	84	90	0.00	2.000	0.00	0.00	283.54	0.14	100.000 (1)
3-25-P	84	90	0.00	2.000	0.00	0.00	283.54	1.59	100.000 (1)
3-26-P	84	90	0.00	2.000	0.00	0.00	283.54	1.59	100.000 (1)
3-27-P	84	90	0.00	2.000	0.00	0.00	283.54	3.36	84.481 (1)
3-28-P	84	90	0.00	2.000	0.00	0.00	283.54	3.36	84.481 (1)
3-29-P	84	90	0.00	2.000	0.00	0.00	283.54	1.09	100.000 (1)
3-30-P	84	90	0.00	2.000	0.00	0.00	283.54	1.09	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
3-31-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-32-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-33-P	84	90	0.00	2.000	0.00	0.00	283.54	2.99	94.683 (1)
3-34-P	84	90	0.00	2.000	0.00	0.00	283.54	2.99	94.683 (1)
3-35-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-36-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-37-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-38-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-39-P	84	90	0.00	2.000	0.00	0.00	283.54	3.33	85.180 (1)
3-40-P	84	90	0.00	2.000	0.00	0.00	283.54	3.33	85.180 (1)
3-41-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-42-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-43-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-44-P	84	90	0.00	2.000	0.00	0.00	283.54	0.00	100.000 (1)
3-45-P	84	90	0.00	2.000	0.00	0.00	283.54	2.99	94.683 (1)
3-46-P	84	90	0.00	2.000	0.00	0.00	283.54	2.99	94.683 (1)
3-47-P	84	90	0.00	2.000	0.00	0.00	283.54	2.99	94.683 (1)
3-48-P	84	90	0.00	2.000	0.00	0.00	283.54	2.99	94.683 (1)
3-49-P	84	90	0.00	2.000	0.00	0.00	283.54	1.09	100.000 (1)
3-50-P	84	90	0.00	2.000	0.00	0.00	283.54	1.09	100.000 (1)
3-51-P	84	90	0.00	2.000	0.00	0.00	283.54	1.09	100.000 (1)
3-52-P	84	90	0.00	2.000	0.00	0.00	283.54	1.09	100.000 (1)
3-53-P	84	90	0.00	2.000	0.00	0.00	283.54	1.59	100.000 (1)
3-54-P	84	90	0.00	2.000	0.00	0.00	283.54	1.59	100.000 (1)
3-55-P	84	90	0.00	2.000	0.00	0.00	283.54	1.59	100.000 (1)
3-56-P	84	90	0.00	2.000	0.00	0.00	283.54	1.59	100.000 (1)
3-57-P	84	90	0.00	2.000	0.00	0.00	283.54	2.90	97.714 (1)
3-58-P	84	90	0.00	2.000	0.00	0.00	283.54	2.90	97.714 (1)
3-59-P	84	90	0.00	2.000	0.00	0.00	283.54	2.90	97.714 (1)
3-60-P	84	90	0.00	2.000	0.00	0.00	283.54	2.90	97.714 (1)
3-61-P	84	90	0.00	2.000	0.00	0.00	283.54	3.79	74.790 (1)
3-62-P	84	90	0.00	2.000	0.00	0.00	283.54	3.79	74.790 (1)
3-63-P	84	90	0.00	2.000	0.00	0.00	283.54	4.04	70.230 (1)
3-64-P	84	90	0.00	2.000	0.00	0.00	283.54	4.04	70.230 (1)
3-65-P	84	90	0.00	2.000	0.00	0.00	283.54	4.54	62.428 (1)
3-66-P	84	90	0.00	2.000	0.00	0.00	283.54	4.54	62.428 (1)
3-67-P	84	90	0.00	2.000	0.00	0.00	283.54	0.08	100.000 (1)
3-68-P	84	90	0.00	2.000	0.00	0.00	283.54	0.08	100.000 (1)
3-69-P	84	90	0.00	2.000	0.00	0.00	283.54	6.05	46.890 (1)
3-70-P	84	90	0.00	2.000	0.00	0.00	283.54	6.05	46.890 (1)
3-71-P	84	90	0.00	2.000	0.00	0.00	283.54	6.05	46.890 (1)
3-72-P	84	90	0.00	2.000	0.00	0.00	283.54	6.05	46.890 (1)
3-73-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-74-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-75-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-76-P	84	90	0.00	2.000	0.00	0.00	283.54	22.27	12.731 (1)
3-77-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-78-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-79-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-80-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
3-81-P	84	90	0.00	2.000	0.00	0.00	283.54	40.07	7.076 (1)
4-1-P	84	90	0.00	2.000	0.00	0.00	267.20	40.55	6.589 (1)
4-2-P	84	90	0.00	2.000	0.00	0.00	267.20	40.55	6.589 (1)
4-3-P	84	90	0.00	2.000	0.00	0.00	267.20	40.55	6.589 (1)
4-4-P	84	90	0.00	2.000	0.00	0.00	267.20	40.55	6.589 (1)
4-5-P	84	90	0.00	2.000	0.00	0.00	267.20	4.02	66.465 (1)
4-6-P	84	90	0.00	2.000	0.00	0.00	267.20	4.02	66.465 (1)
4-7-P	84	90	0.00	2.000	0.00	0.00	267.20	4.02	66.465 (1)
4-8-P	84	90	0.00	2.000	0.00	0.00	267.20	4.02	66.465 (1)
4-9-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-10-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-11-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-12-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-13-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-14-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-15-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-16-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-17-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-18-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-19-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-20-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-21-P	84	90	0.00	2.000	0.00	0.00	267.20	22.88	11.677 (1)
4-22-P	84	90	0.00	2.000	0.00	0.00	267.20	22.88	11.677 (1)
4-23-P	84	90	0.00	2.000	0.00	0.00	267.20	22.88	11.677 (1)
4-24-P	84	90	0.00	2.000	0.00	0.00	267.20	22.88	11.677 (1)
4-25-P	84	90	0.00	2.000	0.00	0.00	267.20	1.94	100.000 (1)
4-26-P	84	90	0.00	2.000	0.00	0.00	267.20	1.94	100.000 (1)
4-27-P	84	90	0.00	2.000	0.00	0.00	267.20	1.94	100.000 (1)
4-28-P	84	90	0.00	2.000	0.00	0.00	267.20	1.94	100.000 (1)
4-29-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-30-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-31-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
4-32-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-33-P	84	90	0.00	2.000	0.00	0.00	267.20	23.09	11.572 (1)
4-34-P	84	90	0.00	2.000	0.00	0.00	267.20	23.09	11.572 (1)
4-35-P	84	90	0.00	2.000	0.00	0.00	267.20	23.09	11.572 (1)
4-36-P	84	90	0.00	2.000	0.00	0.00	267.20	23.09	11.572 (1)
4-37-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-38-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-39-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-40-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-41-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-42-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-43-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-44-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
4-45-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-46-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-47-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-48-P	84	90	0.00	2.000	0.00	0.00	267.20	23.07	11.581 (1)
4-49-P	84	90	0.00	2.000	0.00	0.00	267.20	1.60	100.000 (1)
4-50-P	84	90	0.00	2.000	0.00	0.00	267.20	1.60	100.000 (1)
4-51-P	84	90	0.00	2.000	0.00	0.00	267.20	1.60	100.000 (1)
4-52-P	84	90	0.00	2.000	0.00	0.00	267.20	1.60	100.000 (1)
4-53-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-54-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-55-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-56-P	84	90	0.00	2.000	0.00	0.00	267.20	0.02	100.000 (1)
4-57-P	84	90	0.00	2.000	0.00	0.00	267.20	23.18	11.525 (1)
4-58-P	84	90	0.00	2.000	0.00	0.00	267.20	23.18	11.525 (1)
4-59-P	84	90	0.00	2.000	0.00	0.00	267.20	23.18	11.525 (1)
4-60-P	84	90	0.00	2.000	0.00	0.00	267.20	23.18	11.525 (1)
4-61-P	84	90	0.00	2.000	0.00	0.00	267.20	4.32	61.803 (1)
4-62-P	84	90	0.00	2.000	0.00	0.00	267.20	4.32	61.803 (1)
4-63-P	84	90	0.00	2.000	0.00	0.00	267.20	4.32	61.803 (1)
4-64-P	84	90	0.00	2.000	0.00	0.00	267.20	4.32	61.803 (1)
4-65-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-66-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-67-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-68-P	84	90	0.00	2.000	0.00	0.00	267.20	0.28	100.000 (1)
4-69-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-70-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-71-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-72-P	84	90	0.00	2.000	0.00	0.00	267.20	21.78	12.271 (1)
4-73-P	84	90	0.00	2.000	0.00	0.00	267.20	25.39	10.522 (1)
4-74-P	84	90	0.00	2.000	0.00	0.00	267.20	25.39	10.522 (1)
4-75-P	84	90	0.00	2.000	0.00	0.00	267.20	25.39	10.522 (1)
4-76-P	84	90	0.00	2.000	0.00	0.00	267.20	25.39	10.522 (1)
4-77-P	84	90	0.00	2.000	0.00	0.00	267.20	21.46	12.451 (1)
4-78-P	84	90	0.00	2.000	0.00	0.00	267.20	21.46	12.451 (1)
4-79-P	84	90	0.00	2.000	0.00	0.00	267.20	21.46	12.451 (1)
4-80-P	84	90	0.00	2.000	0.00	0.00	267.20	21.46	12.451 (1)
4-81-P	84	90	0.00	2.000	0.00	0.00	267.20	21.46	12.451 (1)
5-1-P	84	90	0.00	2.000	0.00	0.00	267.20	114.67	2.330 (1)
5-2-P	84	90	0.00	2.000	0.00	0.00	267.20	114.67	2.330 (1)
5-3-P	84	90	0.00	2.000	0.00	0.00	267.20	114.67	2.330 (1)
5-4-P	84	90	0.00	2.000	0.00	0.00	267.20	114.67	2.330 (1)
5-5-P	84	90	0.00	2.000	0.00	0.00	267.20	9.79	27.305 (1)
5-6-P	84	90	0.00	2.000	0.00	0.00	267.20	9.79	27.305 (1)
5-7-P	84	90	0.00	2.000	0.00	0.00	267.20	9.79	27.305 (1)
5-8-P	84	90	0.00	2.000	0.00	0.00	267.20	9.79	27.305 (1)
5-9-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-10-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-11-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-12-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-13-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-14-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-15-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-16-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-17-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-18-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-19-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-20-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-21-P	84	90	0.00	2.000	0.00	0.00	267.20	72.22	3.700 (1)
5-22-P	84	90	0.00	2.000	0.00	0.00	267.20	72.22	3.700 (1)
5-23-P	84	90	0.00	2.000	0.00	0.00	267.20	72.22	3.700 (1)
5-24-P	84	90	0.00	2.000	0.00	0.00	267.20	72.22	3.700 (1)
5-25-P	84	90	0.00	2.000	0.00	0.00	267.20	16.78	15.923 (1)
5-26-P	84	90	0.00	2.000	0.00	0.00	267.20	16.78	15.923 (1)
5-27-P	84	90	0.00	2.000	0.00	0.00	267.20	16.78	15.923 (1)
5-28-P	84	90	0.00	2.000	0.00	0.00	267.20	16.78	15.923 (1)
5-29-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-30-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-31-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-32-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
5-33-P	84	90	0.00	2.000	0.00	0.00	267.20	72.25	3.698 (1)
5-34-P	84	90	0.00	2.000	0.00	0.00	267.20	72.25	3.698 (1)
5-35-P	84	90	0.00	2.000	0.00	0.00	267.20	72.25	3.698 (1)
5-36-P	84	90	0.00	2.000	0.00	0.00	267.20	72.25	3.698 (1)
5-37-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-38-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-39-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-40-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-41-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-42-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-43-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-44-P	84	90	0.00	2.000	0.00	0.00	267.20	0.00	100.000 (1)
5-45-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-46-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-47-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-48-P	84	90	0.00	2.000	0.00	0.00	267.20	72.28	3.697 (1)
5-49-P	84	90	0.00	2.000	0.00	0.00	267.20	1.34	100.000 (1)
5-50-P	84	90	0.00	2.000	0.00	0.00	267.20	1.34	100.000 (1)
5-51-P	84	90	0.00	2.000	0.00	0.00	267.20	1.34	100.000 (1)
5-52-P	84	90	0.00	2.000	0.00	0.00	267.20	1.34	100.000 (1)
5-53-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-54-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-55-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-56-P	84	90	0.00	2.000	0.00	0.00	267.20	0.06	100.000 (1)
5-57-P	84	90	0.00	2.000	0.00	0.00	267.20	72.37	3.692 (1)
5-58-P	84	90	0.00	2.000	0.00	0.00	267.20	72.37	3.692 (1)
5-59-P	84	90	0.00	2.000	0.00	0.00	267.20	72.37	3.692 (1)
5-60-P	84	90	0.00	2.000	0.00	0.00	267.20	72.37	3.692 (1)
5-61-P	84	90	0.00	2.000	0.00	0.00	267.20	2.36	100.000 (1)
5-62-P	84	90	0.00	2.000	0.00	0.00	267.20	2.36	100.000 (1)
5-63-P	84	90	0.00	2.000	0.00	0.00	267.20	2.36	100.000 (1)
5-64-P	84	90	0.00	2.000	0.00	0.00	267.20	2.36	100.000 (1)
5-65-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-66-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-67-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-68-P	84	90	0.00	2.000	0.00	0.00	267.20	70.22	3.805 (1)
5-69-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-70-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-71-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-72-P	84	90	0.00	2.000	0.00	0.00	267.20	17.12	15.605 (1)
5-73-P	84	90	0.00	2.000	0.00	0.00	267.20	9.11	29.324 (1)
5-74-P	84	90	0.00	2.000	0.00	0.00	267.20	9.11	29.324 (1)
5-75-P	84	90	0.00	2.000	0.00	0.00	267.20	9.11	29.324 (1)
5-76-P	84	90	0.00	2.000	0.00	0.00	267.20	9.11	29.324 (1)
5-77-P	84	90	0.00	2.000	0.00	0.00	267.20	90.87	2.940 (1)
5-78-P	84	90	0.00	2.000	0.00	0.00	267.20	90.87	2.940 (1)
5-79-P	84	90	0.00	2.000	0.00	0.00	267.20	90.87	2.940 (1)
5-80-P	84	90	0.00	2.000	0.00	0.00	267.20	90.87	2.940 (1)
5-81-P	84	90	0.00	2.000	0.00	0.00	267.20	90.87	2.940 (1)
6-1-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-2-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-3-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-4-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-5-P	84	90	0.00	2.000	0.00	0.00	283.54	26.69	10.625 (1)
6-6-P	84	90	0.00	2.000	0.00	0.00	283.54	26.69	10.625 (1)
6-7-P	84	90	0.00	2.000	0.00	0.00	283.54	26.69	10.625 (1)
6-8-P	84	90	0.00	2.000	0.00	0.00	283.54	26.69	10.625 (1)
6-9-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-10-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-11-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-12-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-13-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-14-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-15-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-16-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-17-P	84	90	0.00	2.000	0.00	0.00	283.54	8.29	34.196 (1)
6-18-P	84	90	0.00	2.000	0.00	0.00	283.54	8.29	34.196 (1)
6-19-P	84	90	0.00	2.000	0.00	0.00	283.54	8.29	34.196 (1)
6-20-P	84	90	0.00	2.000	0.00	0.00	283.54	8.29	34.196 (1)
6-21-P	84	90	0.00	2.000	0.00	0.00	283.54	26.63	10.646 (1)
6-22-P	84	90	0.00	2.000	0.00	0.00	283.54	26.63	10.646 (1)
6-23-P	84	90	0.00	2.000	0.00	0.00	283.54	26.63	10.646 (1)
6-24-P	84	90	0.00	2.000	0.00	0.00	283.54	26.63	10.646 (1)
6-25-P	84	90	0.00	2.000	0.00	0.00	283.54	69.10	4.103 (1)
6-26-P	84	90	0.00	2.000	0.00	0.00	283.54	69.10	4.103 (1)
6-27-P	84	90	0.00	2.000	0.00	0.00	283.54	69.10	4.103 (1)
6-28-P	84	90	0.00	2.000	0.00	0.00	283.54	69.10	4.103 (1)
6-29-P	84	90	0.00	2.000	0.00	0.00	283.54	3.02	94.032 (1)
6-30-P	84	90	0.00	2.000	0.00	0.00	283.54	3.02	94.032 (1)
6-31-P	84	90	0.00	2.000	0.00	0.00	283.54	3.02	94.032 (1)
6-32-P	84	90	0.00	2.000	0.00	0.00	283.54	3.02	94.032 (1)
6-33-P	84	90	0.00	2.000	0.00	0.00	283.54	26.71	10.615 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
6-34-P	84	90	0.00	2.000	0.00	0.00	283.54	26.71	10.615 (1)
6-35-P	84	90	0.00	2.000	0.00	0.00	283.54	26.71	10.615 (1)
6-36-P	84	90	0.00	2.000	0.00	0.00	283.54	26.71	10.615 (1)
6-37-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-38-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-39-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-40-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-41-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-42-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-43-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-44-P	84	90	0.00	2.000	0.00	0.00	283.54	26.79	10.585 (1)
6-45-P	84	90	0.00	2.000	0.00	0.00	283.54	69.75	4.065 (1)
6-46-P	84	90	0.00	2.000	0.00	0.00	283.54	69.75	4.065 (1)
6-47-P	84	90	0.00	2.000	0.00	0.00	283.54	69.75	4.065 (1)
6-48-P	84	90	0.00	2.000	0.00	0.00	283.54	69.75	4.065 (1)
6-49-P	84	90	0.00	2.000	0.00	0.00	283.54	0.47	100.000 (1)
6-50-P	84	90	0.00	2.000	0.00	0.00	283.54	0.47	100.000 (1)
6-51-P	84	90	0.00	2.000	0.00	0.00	283.54	0.47	100.000 (1)
6-52-P	84	90	0.00	2.000	0.00	0.00	283.54	0.47	100.000 (1)
6-53-P	84	90	0.00	2.000	0.00	0.00	283.54	26.92	10.533 (1)
6-54-P	84	90	0.00	2.000	0.00	0.00	283.54	26.92	10.533 (1)
6-55-P	84	90	0.00	2.000	0.00	0.00	283.54	26.92	10.533 (1)
6-56-P	84	90	0.00	2.000	0.00	0.00	283.54	26.92	10.533 (1)
6-57-P	84	90	0.00	2.000	0.00	0.00	283.54	70.32	4.032 (1)
6-58-P	84	90	0.00	2.000	0.00	0.00	283.54	70.32	4.032 (1)
6-59-P	84	90	0.00	2.000	0.00	0.00	283.54	70.32	4.032 (1)
6-60-P	84	90	0.00	2.000	0.00	0.00	283.54	70.32	4.032 (1)
6-61-P	84	90	0.00	2.000	0.00	0.00	283.54	0.55	100.000 (1)
6-62-P	84	90	0.00	2.000	0.00	0.00	283.54	0.55	100.000 (1)
6-63-P	84	90	0.00	2.000	0.00	0.00	283.54	0.55	100.000 (1)
6-64-P	84	90	0.00	2.000	0.00	0.00	283.54	0.55	100.000 (1)
6-65-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-66-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-67-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-68-P	84	90	0.00	2.000	0.00	0.00	283.54	25.75	11.012 (1)
6-69-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-70-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-71-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-72-P	84	90	0.00	2.000	0.00	0.00	283.54	78.29	3.622 (1)
6-73-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-74-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-75-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-76-P	84	90	0.00	2.000	0.00	0.00	283.54	2.09	100.000 (1)
6-77-P	84	90	0.00	2.000	0.00	0.00	283.54	31.09	9.119 (1)
6-78-P	84	90	0.00	2.000	0.00	0.00	283.54	31.09	9.119 (1)
6-79-P	84	90	0.00	2.000	0.00	0.00	283.54	31.09	9.119 (1)
6-80-P	84	90	0.00	2.000	0.00	0.00	283.54	31.09	9.119 (1)
6-81-P	84	90	0.00	2.000	0.00	0.00	283.54	31.09	9.119 (1)
7-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
7-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
7-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
7-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
7-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	432.81	1.887 (1)
7-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	432.81	1.887 (1)
7-11-S	100	90	0.00	2.000	0.00	0.00	319.13	57.21	5.578 (1)
7-12-S	100	90	0.00	2.000	0.00	0.00	319.13	57.21	5.578 (1)
7-13-S	100	90	0.00	2.000	0.00	0.00	319.13	57.21	5.578 (1)
7-14-S	100	90	0.00	2.000	0.00	0.00	319.13	311.73	1.024 (1)
7-15-S	100	90	0.00	2.000	0.00	0.00	319.13	62.02	5.145 (1)
7-16-S	100	90	9.05	2.500	2540.01	816.76	816.76	409.54	1.994 (1)
7-17-S	100	90	9.05	2.500	2540.01	816.76	816.76	282.05	2.896 (1)
7-18-S	100	90	9.05	2.500	2540.01	816.76	816.76	282.05	2.896 (1)
7-19-S	100	90	9.05	2.500	2540.01	816.76	816.76	282.05	2.896 (1)
8-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
8-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
8-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
8-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
8-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	0.00	100.000 (1)
8-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	0.00	100.000 (1)
8-11-S	100	90	0.00	2.000	0.00	0.00	319.13	30.12	10.595 (1)
8-12-S	100	90	0.00	2.000	0.00	0.00	319.13	30.12	10.595 (1)
8-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	358.53	1.139 (1)
8-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	358.53	1.139 (1)
8-15-S	100	90	0.00	2.000	0.00	0.00	319.13	39.86	8.007 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
8-16-S	100	90	0.00	2.000	0.00	0.00	319.13	39.86	8.007 (1)
8-17-S	100	90	0.00	2.000	0.00	0.00	319.13	226.08	1.412 (1)
8-18-S	100	90	0.00	2.000	0.00	0.00	319.13	226.08	1.412 (1)
8-19-S	100	90	0.00	2.000	0.00	0.00	319.13	226.08	1.412 (1)
9-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
9-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
9-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
9-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
9-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	365.80	1.116 (1)
9-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	365.80	1.116 (1)
9-11-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
9-12-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
9-13-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
9-14-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
9-15-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
9-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
9-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
9-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
9-19-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
10-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
10-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
10-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
10-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
10-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
10-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
10-11-S	100	90	0.00	2.000	0.00	0.00	319.13	24.27	13.147 (1)
10-12-S	100	90	0.00	2.000	0.00	0.00	319.13	24.27	13.147 (1)
10-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	356.32	1.146 (1)
10-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	356.32	1.146 (1)
10-15-S	100	90	0.00	2.000	0.00	0.00	319.13	38.85	8.214 (1)
10-16-S	100	90	0.00	2.000	0.00	0.00	319.13	38.85	8.214 (1)
10-17-S	100	90	0.00	2.000	0.00	0.00	319.13	224.61	1.421 (1)
10-18-S	100	90	0.00	2.000	0.00	0.00	319.13	224.61	1.421 (1)
10-19-S	100	90	0.00	2.000	0.00	0.00	319.13	224.61	1.421 (1)
11-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
11-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
11-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
11-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
11-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
11-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
11-11-S	100	90	0.00	2.000	0.00	0.00	319.13	21.22	15.038 (1)
11-12-S	100	90	0.00	2.000	0.00	0.00	319.13	21.22	15.038 (1)
11-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.90	1.147 (1)
11-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.90	1.147 (1)
11-15-S	100	90	0.00	2.000	0.00	0.00	319.13	38.12	8.372 (1)
11-16-S	100	90	0.00	2.000	0.00	0.00	319.13	38.12	8.372 (1)
11-17-S	100	90	0.00	2.000	0.00	0.00	319.13	224.90	1.419 (1)
11-18-S	100	90	0.00	2.000	0.00	0.00	319.13	224.90	1.419 (1)
11-19-S	100	90	0.00	2.000	0.00	0.00	319.13	224.90	1.419 (1)
12-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
12-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
12-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
12-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
12-9-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-10-S	100	90	0.00	2.000	0.00	0.00	319.13	314.70	1.014 (1)
12-11-S	100	90	0.00	2.000	0.00	0.00	319.13	7.54	42.327 (1)
12-12-S	100	90	0.00	2.000	0.00	0.00	319.13	7.54	42.327 (1)
12-13-S	100	90	0.00	2.000	0.00	0.00	319.13	7.54	42.327 (1)
12-14-S	100	90	0.00	2.000	0.00	0.00	319.13	94.67	3.371 (1)
12-15-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
12-16-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
12-17-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
12-18-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
12-19-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
13-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
13-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
13-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
13-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
13-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
13-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
13-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
13-11-S	100	90	0.00	2.000	0.00	0.00	319.13	29.42	10.849 (1)
13-12-S	100	90	0.00	2.000	0.00	0.00	319.13	29.42	10.849 (1)
13-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.71	1.148 (1)
13-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.71	1.148 (1)
13-15-S	100	90	0.00	2.000	0.00	0.00	319.13	38.00	8.399 (1)
13-16-S	100	90	0.00	2.000	0.00	0.00	319.13	38.00	8.399 (1)
13-17-S	100	90	0.00	2.000	0.00	0.00	319.13	225.17	1.417 (1)
13-18-S	100	90	0.00	2.000	0.00	0.00	319.13	225.17	1.417 (1)
13-19-S	100	90	0.00	2.000	0.00	0.00	319.13	225.17	1.417 (1)
14-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
14-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
14-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
14-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
14-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
14-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
14-11-S	100	90	0.00	2.000	0.00	0.00	319.13	28.56	11.174 (1)
14-12-S	100	90	0.00	2.000	0.00	0.00	319.13	28.56	11.174 (1)
14-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.74	1.148 (1)
14-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.74	1.148 (1)
14-15-S	100	90	0.00	2.000	0.00	0.00	319.13	37.97	8.405 (1)
14-16-S	100	90	0.00	2.000	0.00	0.00	319.13	37.97	8.405 (1)
14-17-S	100	90	0.00	2.000	0.00	0.00	319.13	225.18	1.417 (1)
14-18-S	100	90	0.00	2.000	0.00	0.00	319.13	225.18	1.417 (1)
14-19-S	100	90	0.00	2.000	0.00	0.00	319.13	225.18	1.417 (1)
15-1-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-2-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-3-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-4-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
15-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
15-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
15-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
15-9-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
15-10-S	100	90	0.00	2.000	0.00	0.00	319.13	314.76	1.014 (1)
15-11-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-12-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-13-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
15-14-S	100	90	0.00	2.000	0.00	0.00	319.13	94.73	3.369 (1)
15-15-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
15-16-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
15-17-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
15-18-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
15-19-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
16-1-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-2-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-3-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-4-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
16-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
16-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
16-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
16-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.93	1.031 (1)
16-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.93	1.031 (1)
16-11-S	100	90	0.00	2.000	0.00	0.00	339.12	28.28	11.992 (1)
16-12-S	100	90	0.00	2.000	0.00	0.00	339.12	28.28	11.992 (1)
16-13-S	100	90	0.00	2.000	0.00	0.00	339.12	28.28	11.992 (1)
16-14-S	100	90	0.00	2.000	0.00	0.00	339.12	330.86	1.025 (1)
16-15-S	100	90	0.00	2.000	0.00	0.00	339.12	37.96	8.934 (1)
16-16-S	100	90	4.52	2.500	2540.01	408.38	408.38	365.45	1.117 (1)
16-17-S	100	90	4.52	2.500	2540.01	408.38	408.38	225.21	1.813 (1)
16-18-S	100	90	4.52	2.500	2540.01	408.38	408.38	225.21	1.813 (1)
16-19-S	100	90	4.52	2.500	2540.01	408.38	408.38	225.21	1.813 (1)
17-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
17-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
17-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)
17-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.36	1.786 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
17-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
17-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
17-11-S	100	90	0.00	2.000	0.00	0.00	319.13	28.28	11.285 (1)
17-12-S	100	90	0.00	2.000	0.00	0.00	319.13	28.28	11.285 (1)
17-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.79	1.148 (1)
17-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.79	1.148 (1)
17-15-S	100	90	0.00	2.000	0.00	0.00	319.13	37.96	8.407 (1)
17-16-S	100	90	0.00	2.000	0.00	0.00	319.13	37.96	8.407 (1)
17-17-S	100	90	0.00	2.000	0.00	0.00	319.13	225.21	1.417 (1)
17-18-S	100	90	0.00	2.000	0.00	0.00	319.13	225.21	1.417 (1)
17-19-S	100	90	0.00	2.000	0.00	0.00	319.13	225.21	1.417 (1)
18-1-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-2-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-3-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-4-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
18-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
18-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
18-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	446.09	1.831 (1)
18-9-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
18-10-S	100	90	0.00	2.000	0.00	0.00	319.13	314.76	1.014 (1)
18-11-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-12-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-13-S	100	90	0.00	2.000	0.00	0.00	319.13	5.82	54.787 (1)
18-14-S	100	90	0.00	2.000	0.00	0.00	319.13	94.73	3.369 (1)
18-15-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
18-16-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
18-17-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
18-18-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
18-19-S	100	90	0.00	2.000	0.00	0.00	319.13	49.41	6.459 (1)
19-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
19-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
19-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
19-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.23	1.786 (1)
19-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
19-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
19-11-S	100	90	0.00	2.000	0.00	0.00	319.13	28.56	11.174 (1)
19-12-S	100	90	0.00	2.000	0.00	0.00	319.13	28.56	11.174 (1)
19-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.74	1.148 (1)
19-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.74	1.148 (1)
19-15-S	100	90	0.00	2.000	0.00	0.00	319.13	37.97	8.405 (1)
19-16-S	100	90	0.00	2.000	0.00	0.00	319.13	37.97	8.405 (1)
19-17-S	100	90	0.00	2.000	0.00	0.00	319.13	225.18	1.417 (1)
19-18-S	100	90	0.00	2.000	0.00	0.00	319.13	225.18	1.417 (1)
19-19-S	100	90	0.00	2.000	0.00	0.00	319.13	225.18	1.417 (1)
20-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
20-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
20-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
20-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.11	1.787 (1)
20-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
20-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
20-11-S	100	90	0.00	2.000	0.00	0.00	319.13	29.42	10.849 (1)
20-12-S	100	90	0.00	2.000	0.00	0.00	319.13	29.42	10.849 (1)
20-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.71	1.148 (1)
20-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.71	1.148 (1)
20-15-S	100	90	0.00	2.000	0.00	0.00	319.13	38.00	8.399 (1)
20-16-S	100	90	0.00	2.000	0.00	0.00	319.13	38.00	8.399 (1)
20-17-S	100	90	0.00	2.000	0.00	0.00	319.13	225.17	1.417 (1)
20-18-S	100	90	0.00	2.000	0.00	0.00	319.13	225.17	1.417 (1)
20-19-S	100	90	0.00	2.000	0.00	0.00	319.13	225.17	1.417 (1)
21-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
21-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
21-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
21-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	445.83	1.832 (1)
21-9-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-10-S	100	90	0.00	2.000	0.00	0.00	319.13	314.70	1.014 (1)
21-11-S	100	90	0.00	2.000	0.00	0.00	319.13	7.54	42.327 (1)
21-12-S	100	90	0.00	2.000	0.00	0.00	319.13	7.54	42.327 (1)
21-13-S	100	90	0.00	2.000	0.00	0.00	319.13	7.54	42.327 (1)
21-14-S	100	90	0.00	2.000	0.00	0.00	319.13	94.67	3.371 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
21-15-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
21-16-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
21-17-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
21-18-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
21-19-S	100	90	0.00	2.000	0.00	0.00	319.13	49.48	6.449 (1)
22-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
22-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
22-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
22-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	457.44	1.785 (1)
22-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
22-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
22-11-S	100	90	0.00	2.000	0.00	0.00	319.13	21.22	15.038 (1)
22-12-S	100	90	0.00	2.000	0.00	0.00	319.13	21.22	15.038 (1)
22-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.90	1.147 (1)
22-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	355.90	1.147 (1)
22-15-S	100	90	0.00	2.000	0.00	0.00	319.13	38.12	8.372 (1)
22-16-S	100	90	0.00	2.000	0.00	0.00	319.13	38.12	8.372 (1)
22-17-S	100	90	0.00	2.000	0.00	0.00	319.13	224.90	1.419 (1)
22-18-S	100	90	0.00	2.000	0.00	0.00	319.13	224.90	1.419 (1)
22-19-S	100	90	0.00	2.000	0.00	0.00	319.13	224.90	1.419 (1)
23-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
23-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
23-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
23-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	459.67	1.777 (1)
23-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
23-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
23-11-S	100	90	0.00	2.000	0.00	0.00	319.13	24.27	13.147 (1)
23-12-S	100	90	0.00	2.000	0.00	0.00	319.13	24.27	13.147 (1)
23-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	356.32	1.146 (1)
23-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	356.32	1.146 (1)
23-15-S	100	90	0.00	2.000	0.00	0.00	319.13	38.85	8.214 (1)
23-16-S	100	90	0.00	2.000	0.00	0.00	319.13	38.85	8.214 (1)
23-17-S	100	90	0.00	2.000	0.00	0.00	319.13	224.61	1.421 (1)
23-18-S	100	90	0.00	2.000	0.00	0.00	319.13	224.61	1.421 (1)
23-19-S	100	90	0.00	2.000	0.00	0.00	319.13	224.61	1.421 (1)
24-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
24-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
24-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
24-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.48	1.789 (1)
24-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	365.80	1.116 (1)
24-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	365.80	1.116 (1)
24-11-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
24-12-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
24-13-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
24-14-S	100	90	0.00	2.000	0.00	0.00	319.13	271.11	1.177 (1)
24-15-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
24-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
24-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
24-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
24-19-S	100	90	0.00	2.000	0.00	0.00	319.13	51.77	6.165 (1)
25-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
25-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
25-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
25-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	489.86	1.667 (1)
25-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	0.00	100.000 (1)
25-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	0.00	100.000 (1)
25-11-S	100	90	0.00	2.000	0.00	0.00	319.13	30.12	10.595 (1)
25-12-S	100	90	0.00	2.000	0.00	0.00	319.13	30.12	10.595 (1)
25-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	358.53	1.139 (1)
25-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	358.53	1.139 (1)
25-15-S	100	90	0.00	2.000	0.00	0.00	319.13	39.86	8.007 (1)
25-16-S	100	90	0.00	2.000	0.00	0.00	319.13	39.86	8.007 (1)
25-17-S	100	90	0.00	2.000	0.00	0.00	319.13	226.08	1.412 (1)
25-18-S	100	90	0.00	2.000	0.00	0.00	319.13	226.08	1.412 (1)
25-19-S	100	90	0.00	2.000	0.00	0.00	319.13	226.08	1.412 (1)
26-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg(θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
26-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
26-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
26-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
26-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	477.37	1.711 (1)
26-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	432.81	1.887 (1)
26-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	432.81	1.887 (1)
26-11-S	100	90	0.00	2.000	0.00	0.00	319.13	57.21	5.578 (1)
26-12-S	100	90	0.00	2.000	0.00	0.00	319.13	57.21	5.578 (1)
26-13-S	100	90	0.00	2.000	0.00	0.00	319.13	57.21	5.578 (1)
26-14-S	100	90	0.00	2.000	0.00	0.00	319.13	311.73	1.024 (1)
26-15-S	100	90	0.00	2.000	0.00	0.00	319.13	62.02	5.145 (1)
26-16-S	100	90	9.05	2.500	2540.01	816.76	816.76	409.54	1.994 (1)
26-17-S	100	90	9.05	2.500	2540.01	816.76	816.76	282.05	2.896 (1)
26-18-S	100	90	9.05	2.500	2540.01	816.76	816.76	282.05	2.896 (1)
26-19-S	100	90	9.05	2.500	2540.01	816.76	816.76	282.05	2.896 (1)

Pali in c.a.

La verifica a taglio sui pali circolari in c.a. viene eseguita considerando una sezione quadrata inscritta nella circonferenza. Se D è il diametro del palo, il lato della sezione quadrata sulla quale si esegue la verifica è $L = 2^{0.5}/2 D$.

Ip	Is	L [cm]	A _{sw} [cmq]	s [cm]	cotgθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	1	56.57	2.26	10	2.500	835.66	699.35	699.35	530.54	1.318
2	1	56.57	2.26	10	2.500	1044.57	1007.06	1007.06	530.54	1.898

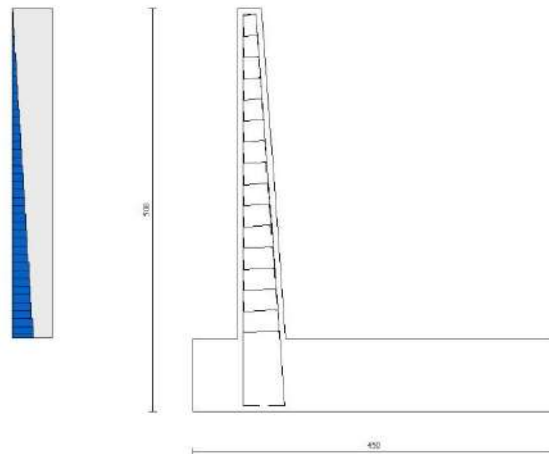


Fig. 15 - Paramento (Inviluppo)

RELAZIONE DI CALCOLO

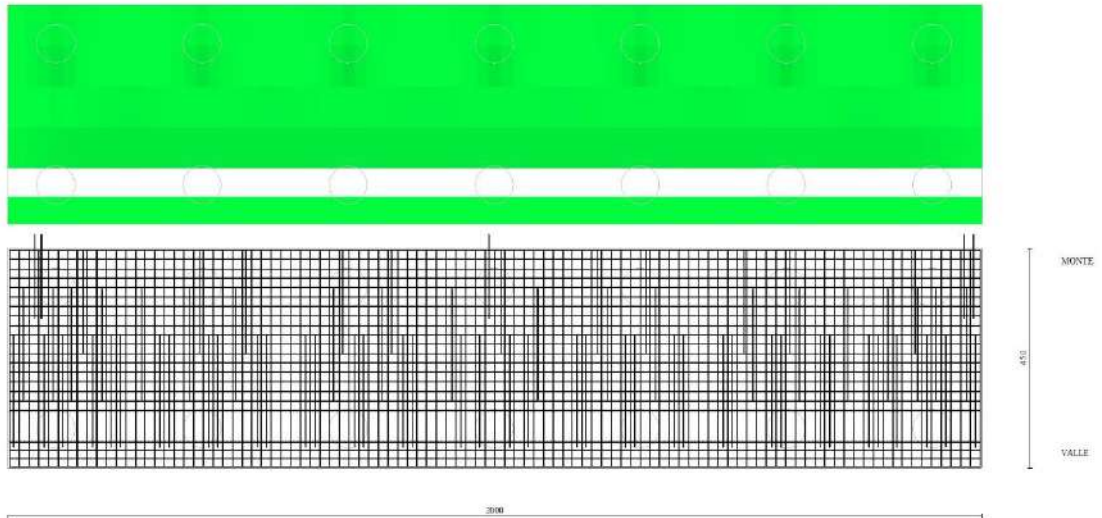


Fig. 16 - Piastra fondazione dir. X (Inviluppo)

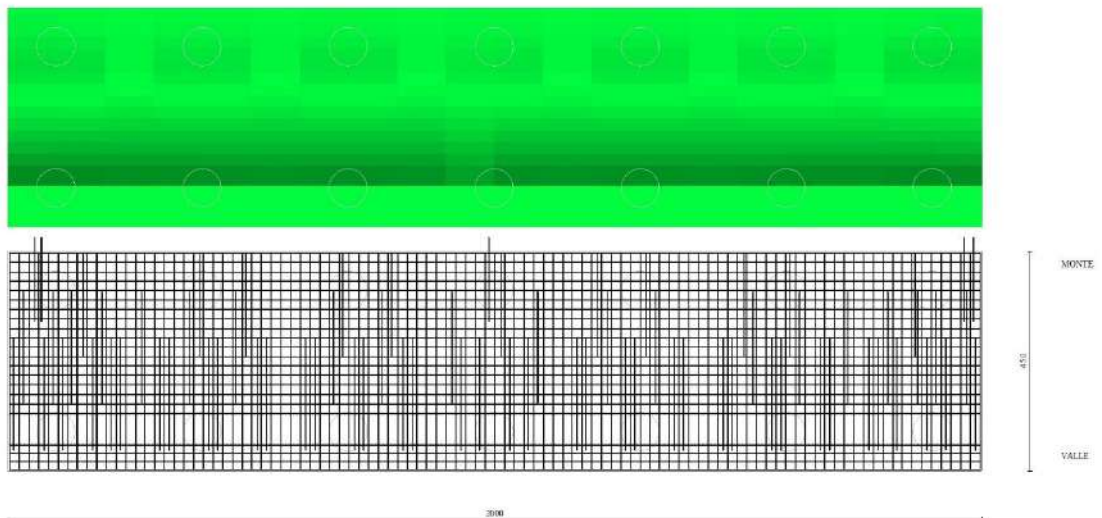


Fig. 17 - Piastra fondazione dir. Y (Inviluppo)

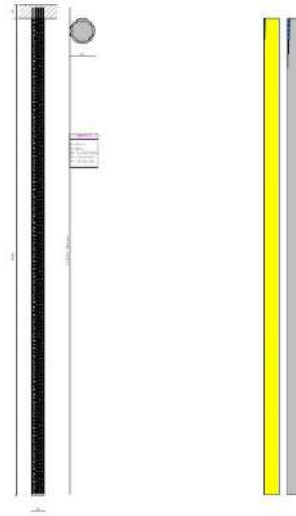


Fig. 18 - Pali (Palo n° 1) (Inviluppo)

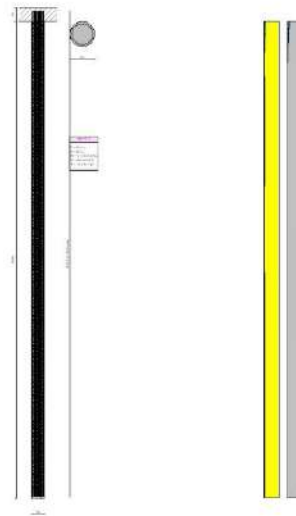


Fig. 19 - Pali (Palo n° 2) (Inviluppo)

Verifica a punzonamento

Simbologia adottata

OP	Oggetto che viene punzonato
P	Oggetto che punzona
C ₁ , C ₂	Dimensioni pilastro nelle due direzioni, espressa in [mm]
d	Altezza utile della fondazione, espressa in [mm]
u ₀	Lunghezza perimetro di verifica a faccia pilastro, espresso in [mm]
u ₁	Lunghezza perimetro di verifica per effetto della diffusione, espresso in [mm]
ρ _{v1} , ρ _{v2}	Percentuali di armatura piastra in zona tesa
d _{pC} , d _{uc}	distanza della prima e dell'ultima cucitura dalla faccia del pilastro
V _{Ed,i}	Tensione di taglio sul perimetro del pilastro, espressa in [kPa]
V _{Rd,max}	Valore di progetto del massimo taglio-punzonamento resistente, espressa in [kPa]
V _{Ed,f}	Tensione di taglio sul perimetro di verifica u ₁ , espresso in [kPa]
V _{Rd,cf}	Valore di progetto del taglio-punzonamento resistente senza armature sul perimetro di verifica u ₁ , espresso in [kPa]

RELAZIONE DI CALCOLO

$V_{Rd,cs}$	Valore di progetto del taglio-punzonamento resistente con armature, espresso in [kPa]
nsc	Numero di serie di cuciture
nc	Numero di cuciture
FS	Fattore di sicurezza (minore tra i rapporti $V_{Rd,max}/V_{Ed,t}$, $V_{Rd,ct}/V_{Ed,t}$ e $V_{Rd,cs}/V_{Ed,t}$)

Verifica delle tensioni

Simbologia adottata

n°	indice sezione
Y	ordinata sezione, espressa in [m]
B	larghezza sezione, espressa in [cm]
H	altezza sezione, espressa in [cm]
Afi	area ferri inferiori, espressa in [cmq]
Afs	area ferri superiori, espressa in [cmq]
M	momento agente, espressa in [kNm]
N	sfuerzo normale agente, espressa in [kN]
σ_c	tensione di compressione nel ds, espressa in [kPa]
σ_{fi}	tensione nei ferri inferiori, espressa in [kPa]
σ_{fs}	tensione nei ferri superiori, espressa in [kPa]

Combinazioni SLER

Paramento

Tensione massima di compressione nel calcestruzzo	19920	[kPa]
Tensione massima di trazione dell'acciaio	360000	[kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_{fi} [kPa]	σ_{fs} [kPa]
1	100	30	18.10	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
2	100	31	18.10	22.62	0.03	0.74	4 (5)	17 (5)	44 (5)
3	100	31	18.10	22.62	0.12	1.51	11 (5)	4 (5)	115 (5)
4	100	32	18.10	22.62	0.28	2.29	24 (5)	128 (5)	217 (5)
5	100	33	18.10	22.62	0.51	3.09	42 (5)	381 (5)	343 (5)
6	100	34	18.10	22.62	0.81	3.90	64 (5)	758 (5)	492 (5)
7	100	34	18.10	22.62	1.20	4.74	90 (5)	1254 (5)	664 (5)
8	100	35	18.10	22.62	1.67	5.59	120 (5)	1866 (5)	858 (5)
9	100	36	18.10	22.62	2.23	6.46	154 (5)	2593 (5)	1076 (5)
10	100	37	18.10	22.62	2.89	7.35	191 (5)	3433 (5)	1318 (5)
11	100	37	18.10	22.62	3.65	8.26	230 (5)	4385 (5)	1583 (5)
12	100	38	18.10	22.62	4.51	9.18	273 (5)	5447 (5)	1873 (5)
13	100	39	18.10	22.62	5.48	10.12	319 (5)	6618 (5)	2186 (5)
14	100	40	18.10	22.62	6.56	11.08	367 (5)	7897 (5)	2522 (5)
15	100	40	18.10	22.62	7.76	12.06	418 (5)	9283 (5)	2882 (5)
16	100	41	18.10	22.62	9.09	13.06	471 (5)	10776 (5)	3265 (5)
17	100	42	18.10	22.62	10.54	14.07	526 (5)	12374 (5)	3671 (5)
18	100	42	18.10	22.62	12.13	15.11	584 (5)	14077 (5)	4101 (5)
19	100	43	18.10	22.62	13.85	16.16	644 (5)	15884 (5)	4553 (5)
20	100	44	18.10	22.62	15.71	17.22	706 (5)	17795 (5)	5027 (5)
21	100	45	18.10	22.62	17.72	18.31	770 (5)	19809 (5)	5523 (5)
22	100	45	18.10	22.62	19.89	19.42	836 (5)	21926 (5)	6042 (5)
23	100	46	18.10	22.62	22.21	20.54	903 (5)	24145 (5)	6582 (5)
24	100	47	18.10	22.62	24.69	21.68	973 (5)	26465 (5)	7144 (5)
25	100	48	18.10	22.62	27.33	22.84	1044 (5)	28887 (5)	7727 (5)
26	100	48	18.10	22.62	30.15	24.01	1117 (5)	31410 (5)	8331 (5)
27	100	49	18.10	22.62	33.14	25.21	1192 (5)	34033 (5)	8956 (5)
28	100	50	18.10	22.62	36.31	26.42	1268 (5)	36756 (5)	9602 (5)
29	100	51	18.10	22.62	39.66	27.65	1346 (5)	39580 (5)	10268 (5)
30	100	51	18.10	22.62	43.20	28.90	1426 (5)	42502 (5)	10954 (5)
31	100	52	18.10	22.62	46.94	30.17	1507 (5)	45525 (5)	11659 (5)
32	100	53	18.10	22.62	50.87	31.45	1589 (5)	48646 (5)	12385 (5)
33	100	53	18.10	22.62	55.01	32.75	1673 (5)	51866 (5)	13130 (5)
34	100	54	18.10	22.62	59.36	34.08	1759 (5)	55185 (5)	13894 (5)
35	100	55	18.10	22.62	63.92	35.41	1845 (5)	58602 (5)	14677 (5)
36	100	56	18.10	22.62	68.69	36.77	1934 (5)	62118 (5)	15478 (5)
37	100	56	18.10	22.62	73.69	38.15	2023 (5)	65731 (5)	16299 (5)
38	100	57	18.10	22.62	78.91	39.54	2114 (5)	69443 (5)	17138 (5)
39	100	58	18.10	22.62	84.37	40.95	2206 (5)	73252 (5)	17995 (5)
40	100	59	18.10	22.62	90.06	42.38	2300 (5)	77159 (5)	18870 (5)
41	100	59	18.10	22.62	95.99	43.82	2395 (5)	81163 (5)	19762 (5)
42	100	60	18.10	22.62	102.17	45.29	2496 (5)	85403 (5)	20703 (5)

Piastra fondazione

RELAZIONE DI CALCOLO

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-1-P	55	90	18.10	18.10	0.02	-0.20	3 (5)	83 (5)	135 (5)
1-2-P	55	90	18.10	18.10	0.01	-0.22	3 (5)	43 (5)	151 (5)
1-3-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-4-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	169 (5)
1-5-P	55	90	18.10	18.10	0.00	-0.24	4 (5)	47 (5)	167 (5)
1-6-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	169 (5)
1-7-P	55	90	18.10	18.10	0.01	-0.25	4 (5)	48 (5)	171 (5)
1-8-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	178 (5)
1-9-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	55 (5)	194 (5)
1-10-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-11-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	58 (5)	205 (5)
1-12-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-13-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-14-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-15-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-16-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-17-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-18-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-19-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-20-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-21-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-22-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-23-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-24-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-25-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-26-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-27-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-28-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-29-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-30-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-31-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-32-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-33-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-34-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-35-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-36-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-37-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-38-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-39-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-40-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-41-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-42-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-43-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-44-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-45-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-46-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-47-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-48-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-49-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-50-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-51-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-52-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-53-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-54-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-55-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-56-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-57-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-58-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-59-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-60-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-61-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-62-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-63-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-64-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-65-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-66-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	189 (5)
1-67-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-68-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	199 (5)
1-69-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	53 (5)	188 (5)
1-70-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-71-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-72-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-73-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	187 (5)
1-74-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	196 (5)
1-75-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	197 (5)
1-76-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	52 (5)	185 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-77-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	170 (5)
1-78-P	55	90	18.10	18.10	0.01	-0.23	3 (5)	44 (5)	157 (5)
1-79-P	55	90	18.10	18.10	0.03	-0.21	3 (5)	89 (5)	145 (5)
1-80-P	55	90	18.10	18.10	0.02	-0.21	3 (5)	84 (5)	146 (5)
1-81-P	55	90	18.10	18.10	0.02	-0.22	3 (5)	82 (5)	147 (5)
3-1-P	84	90	22.62	22.62	0.89	-13.87	151 (8)	1928 (8)	7547 (8)
3-2-P	84	90	22.62	22.62	0.00	-16.65	181 (8)	2315 (8)	9061 (8)
3-3-P	84	90	22.62	22.62	0.00	-20.33	221 (8)	2825 (8)	11060 (8)
3-4-P	84	90	22.62	22.62	0.00	-23.33	254 (8)	3242 (8)	12693 (8)
3-5-P	84	90	22.62	22.62	0.00	-26.33	287 (8)	3660 (8)	14327 (8)
3-6-P	84	90	22.62	22.62	0.00	-27.51	300 (8)	3824 (8)	14970 (8)
3-7-P	84	90	22.62	22.62	0.00	-28.69	313 (8)	3988 (8)	15613 (8)
3-8-P	84	90	22.62	22.62	0.00	-29.59	322 (8)	4112 (8)	16099 (8)
3-9-P	84	90	22.62	22.62	0.00	-30.29	330 (8)	4210 (8)	16481 (8)
3-10-P	84	90	22.62	22.62	0.00	-30.93	337 (8)	4299 (8)	16830 (8)
3-11-P	84	90	22.62	22.62	0.00	-31.34	341 (8)	4356 (8)	17055 (8)
3-12-P	84	90	22.62	22.62	0.00	-31.75	346 (8)	4414 (8)	17279 (8)
3-13-P	84	90	22.62	22.62	0.00	-31.97	348 (8)	4443 (8)	17395 (8)
3-14-P	84	90	22.62	22.62	0.00	-32.13	350 (8)	4466 (8)	17484 (8)
3-15-P	84	90	22.62	22.62	0.00	-32.32	352 (8)	4492 (8)	17584 (8)
3-16-P	84	90	22.62	22.62	0.00	-32.53	354 (8)	4522 (8)	17702 (8)
3-17-P	84	90	22.62	22.62	0.00	-32.75	357 (8)	4552 (8)	17820 (8)
3-18-P	84	90	22.62	22.62	0.00	-33.31	363 (8)	4629 (8)	18123 (8)
3-19-P	84	90	22.62	22.62	0.00	-33.86	369 (8)	4707 (8)	18426 (8)
3-20-P	84	90	22.62	22.62	0.00	-34.43	375 (8)	4785 (8)	18733 (8)
3-21-P	84	90	22.62	22.62	0.00	-35.00	381 (8)	4865 (8)	19044 (8)
3-22-P	84	90	22.62	22.62	0.00	-35.50	387 (8)	4935 (8)	19319 (8)
3-23-P	84	90	22.62	22.62	0.00	-35.75	389 (8)	4969 (8)	19451 (8)
3-24-P	84	90	22.62	22.62	0.00	-35.99	392 (8)	5002 (8)	19583 (8)
3-25-P	84	90	22.62	22.62	0.00	-35.98	392 (8)	5000 (8)	19575 (8)
3-26-P	84	90	22.62	22.62	0.00	-35.90	391 (8)	4989 (8)	19532 (8)
3-27-P	84	90	22.62	22.62	0.00	-35.83	390 (8)	4980 (8)	19495 (8)
3-28-P	84	90	22.62	22.62	0.00	-35.78	390 (8)	4973 (8)	19467 (8)
3-29-P	84	90	22.62	22.62	0.00	-35.72	389 (8)	4965 (8)	19439 (8)
3-30-P	84	90	22.62	22.62	0.00	-36.02	392 (8)	5007 (8)	19602 (8)
3-31-P	84	90	22.62	22.62	0.00	-36.32	396 (8)	5049 (8)	19765 (8)
3-32-P	84	90	22.62	22.62	0.00	-36.65	399 (8)	5094 (8)	19942 (8)
3-33-P	84	90	22.62	22.62	0.00	-36.99	403 (8)	5141 (8)	20128 (8)
3-34-P	84	90	22.62	22.62	0.00	-37.27	406 (8)	5181 (8)	20282 (8)
3-35-P	84	90	22.62	22.62	0.00	-37.32	407 (8)	5188 (8)	20309 (8)
3-36-P	84	90	22.62	22.62	0.00	-37.37	407 (8)	5194 (8)	20335 (8)
3-37-P	84	90	22.62	22.62	0.00	-37.19	405 (8)	5169 (8)	20236 (8)
3-38-P	84	90	22.62	22.62	0.00	-36.95	402 (8)	5136 (8)	20105 (8)
3-39-P	84	90	22.62	22.62	0.00	-36.73	400 (8)	5105 (8)	19986 (8)
3-40-P	84	90	22.62	22.62	0.00	-36.54	398 (8)	5079 (8)	19885 (8)
3-41-P	84	90	22.62	22.62	0.00	-36.36	396 (8)	5054 (8)	19784 (8)
3-42-P	84	90	22.62	22.62	0.00	-36.54	398 (8)	5079 (8)	19885 (8)
3-43-P	84	90	22.62	22.62	0.00	-36.73	400 (8)	5105 (8)	19986 (8)
3-44-P	84	90	22.62	22.62	0.00	-36.95	402 (8)	5136 (8)	20105 (8)
3-45-P	84	90	22.62	22.62	0.00	-37.19	405 (8)	5169 (8)	20236 (8)
3-46-P	84	90	22.62	22.62	0.00	-37.37	407 (8)	5194 (8)	20335 (8)
3-47-P	84	90	22.62	22.62	0.00	-37.32	407 (8)	5188 (8)	20309 (8)
3-48-P	84	90	22.62	22.62	0.00	-37.27	406 (8)	5181 (8)	20282 (8)
3-49-P	84	90	22.62	22.62	0.00	-36.99	403 (8)	5141 (8)	20128 (8)
3-50-P	84	90	22.62	22.62	0.00	-36.65	399 (8)	5094 (8)	19942 (8)
3-51-P	84	90	22.62	22.62	0.00	-36.32	396 (8)	5049 (8)	19765 (8)
3-52-P	84	90	22.62	22.62	0.00	-36.02	392 (8)	5007 (8)	19602 (8)
3-53-P	84	90	22.62	22.62	0.00	-35.72	389 (8)	4965 (8)	19439 (8)
3-54-P	84	90	22.62	22.62	0.00	-35.78	390 (8)	4973 (8)	19467 (8)
3-55-P	84	90	22.62	22.62	0.00	-35.83	390 (8)	4980 (8)	19495 (8)
3-56-P	84	90	22.62	22.62	0.00	-35.90	391 (8)	4989 (8)	19532 (8)
3-57-P	84	90	22.62	22.62	0.00	-35.98	392 (8)	5000 (8)	19575 (8)
3-58-P	84	90	22.62	22.62	0.00	-35.99	392 (8)	5002 (8)	19583 (8)
3-59-P	84	90	22.62	22.62	0.00	-35.75	389 (8)	4969 (8)	19451 (8)
3-60-P	84	90	22.62	22.62	0.00	-35.50	387 (8)	4935 (8)	19319 (8)
3-61-P	84	90	22.62	22.62	0.00	-35.00	381 (8)	4865 (8)	19044 (8)
3-62-P	84	90	22.62	22.62	0.00	-34.43	375 (8)	4785 (8)	18733 (8)
3-63-P	84	90	22.62	22.62	0.00	-33.86	369 (8)	4707 (8)	18426 (8)
3-64-P	84	90	22.62	22.62	0.00	-33.31	363 (8)	4629 (8)	18123 (8)
3-65-P	84	90	22.62	22.62	0.00	-32.75	357 (8)	4552 (8)	17820 (8)
3-66-P	84	90	22.62	22.62	0.00	-32.53	354 (8)	4522 (8)	17702 (8)
3-67-P	84	90	22.62	22.62	0.00	-32.32	352 (8)	4492 (8)	17584 (8)
3-68-P	84	90	22.62	22.62	0.00	-32.13	350 (8)	4466 (8)	17484 (8)
3-69-P	84	90	22.62	22.62	0.00	-31.97	348 (8)	4443 (8)	17395 (8)
3-70-P	84	90	22.62	22.62	0.00	-31.75	346 (8)	4414 (8)	17279 (8)
3-71-P	84	90	22.62	22.62	0.00	-31.34	341 (8)	4356 (8)	17055 (8)
3-72-P	84	90	22.62	22.62	0.00	-30.93	337 (8)	4299 (8)	16830 (8)
3-73-P	84	90	22.62	22.62	0.00	-30.29	330 (8)	4210 (8)	16481 (8)
3-74-P	84	90	22.62	22.62	0.00	-29.59	322 (8)	4112 (8)	16099 (8)
3-75-P	84	90	22.62	22.62	0.00	-28.69	313 (8)	3988 (8)	15613 (8)
3-76-P	84	90	22.62	22.62	0.00	-27.51	300 (8)	3824 (8)	14970 (8)
3-77-P	84	90	22.62	22.62	0.00	-26.33	287 (8)	3660 (8)	14327 (8)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-78-P	84	90	22.62	22.62	0.00	-23.33	254 (8)	3242 (8)	12693 (8)
3-79-P	84	90	22.62	22.62	0.00	-20.33	221 (8)	2825 (8)	11060 (8)
3-80-P	84	90	22.62	22.62	0.00	-16.65	181 (8)	2315 (8)	9061 (8)
3-81-P	84	90	22.62	22.62	0.89	-13.87	151 (8)	1928 (8)	7547 (8)
4-1-P	84	90	18.10	18.10	1.12	-2.94	36 (8)	757 (8)	1990 (8)
4-2-P	84	90	18.10	18.10	1.54	-0.60	6 (5)	332 (5)	306 (5)
4-3-P	84	90	18.10	18.10	3.36	-0.23	31 (5)	1711 (5)	856 (5)
4-4-P	84	90	18.10	18.10	5.12	-0.46	73 (8)	4050 (8)	1651 (8)
4-5-P	84	90	18.10	18.10	8.25	-0.74	118 (8)	6522 (8)	2095 (8)
4-6-P	84	90	18.10	18.10	7.21	-1.09	103 (8)	5702 (8)	2214 (8)
4-7-P	84	90	18.10	18.10	16.71	0.00	90 (5)	5017 (5)	2550 (5)
4-8-P	84	90	18.10	18.10	19.48	0.00	89 (5)	4950 (5)	2683 (5)
4-9-P	84	90	18.10	18.10	22.32	0.00	85 (5)	4715 (5)	3049 (5)
4-10-P	84	90	18.10	18.10	24.61	0.00	86 (5)	4764 (5)	3259 (5)
4-11-P	84	90	18.10	18.10	24.79	0.00	84 (5)	4683 (5)	3072 (5)
4-12-P	84	90	18.10	18.10	24.96	0.00	89 (5)	4931 (5)	3206 (5)
4-13-P	84	90	18.10	18.10	23.31	0.00	94 (5)	5217 (5)	3110 (5)
4-14-P	84	90	18.10	18.10	21.21	0.00	102 (5)	5636 (5)	3004 (5)
4-15-P	84	90	18.10	18.10	19.73	0.00	111 (5)	6167 (5)	2712 (5)
4-16-P	84	90	18.10	18.10	19.18	0.00	139 (5)	7707 (5)	2563 (5)
4-17-P	84	90	18.10	18.10	18.63	0.00	167 (5)	9257 (5)	2783 (5)
4-18-P	84	90	18.10	18.10	8.38	-1.68	134 (8)	7451 (8)	2995 (8)
4-19-P	84	90	18.10	18.10	6.46	-2.11	111 (8)	6131 (8)	3008 (8)
4-20-P	84	90	18.10	18.10	5.27	-2.55	90 (8)	5002 (8)	3296 (8)
4-21-P	84	90	18.10	18.10	4.51	-2.93	83 (8)	4584 (8)	3475 (8)
4-22-P	84	90	18.10	18.10	3.88	-3.27	83 (8)	4600 (8)	3873 (8)
4-23-P	84	90	18.10	18.10	3.64	-3.28	78 (8)	4322 (8)	3892 (8)
4-24-P	84	90	18.10	18.10	3.46	-3.35	81 (8)	4481 (8)	4337 (8)
4-25-P	84	90	18.10	18.10	3.68	-3.10	86 (8)	4762 (8)	4408 (8)
4-26-P	84	90	18.10	18.10	4.05	-2.81	87 (8)	4802 (8)	4004 (8)
4-27-P	84	90	18.10	18.10	4.91	-2.53	97 (8)	5378 (8)	3999 (8)
4-28-P	84	90	18.10	18.10	6.55	-2.28	129 (8)	7175 (8)	4059 (8)
4-29-P	84	90	18.10	18.10	8.27	-2.11	152 (8)	8404 (8)	3748 (8)
4-30-P	84	90	18.10	18.10	6.40	-2.43	117 (8)	6504 (8)	3847 (8)
4-31-P	84	90	18.10	18.10	4.65	-2.88	92 (8)	5093 (8)	3729 (8)
4-32-P	84	90	18.10	18.10	3.66	-3.35	78 (8)	4344 (8)	3971 (8)
4-33-P	84	90	18.10	18.10	3.11	-3.77	81 (8)	4030 (8)	4466 (8)
4-34-P	84	90	18.10	18.10	2.70	-4.13	88 (8)	3837 (8)	4900 (8)
4-35-P	84	90	18.10	18.10	2.63	-4.13	88 (8)	3744 (8)	4903 (8)
4-36-P	84	90	18.10	18.10	2.61	-4.18	89 (8)	3710 (8)	4954 (8)
4-37-P	84	90	18.10	18.10	2.93	-3.85	82 (8)	3787 (8)	4566 (8)
4-38-P	84	90	18.10	18.10	3.37	-3.47	74 (8)	3997 (8)	4111 (8)
4-39-P	84	90	18.10	18.10	4.25	-3.03	84 (8)	4657 (8)	3925 (8)
4-40-P	84	90	18.10	18.10	5.92	-2.65	117 (8)	6480 (8)	4193 (8)
4-41-P	84	90	18.10	18.10	7.67	-2.35	141 (8)	7795 (8)	4184 (8)
4-42-P	84	90	18.10	18.10	5.92	-2.65	117 (8)	6480 (8)	4193 (8)
4-43-P	84	90	18.10	18.10	4.25	-3.03	84 (8)	4657 (8)	3925 (8)
4-44-P	84	90	18.10	18.10	3.37	-3.47	74 (8)	3997 (8)	4111 (8)
4-45-P	84	90	18.10	18.10	2.93	-3.85	82 (8)	3787 (8)	4566 (8)
4-46-P	84	90	18.10	18.10	2.61	-4.18	89 (8)	3710 (8)	4954 (8)
4-47-P	84	90	18.10	18.10	2.63	-4.13	88 (8)	3744 (8)	4903 (8)
4-48-P	84	90	18.10	18.10	2.70	-4.13	88 (8)	3837 (8)	4900 (8)
4-49-P	84	90	18.10	18.10	3.11	-3.77	81 (8)	4030 (8)	4466 (8)
4-50-P	84	90	18.10	18.10	3.66	-3.35	78 (8)	4344 (8)	3971 (8)
4-51-P	84	90	18.10	18.10	4.65	-2.88	92 (8)	5093 (8)	3729 (8)
4-52-P	84	90	18.10	18.10	6.40	-2.43	117 (8)	6504 (8)	3847 (8)
4-53-P	84	90	18.10	18.10	8.27	-2.11	152 (8)	8404 (8)	3748 (8)
4-54-P	84	90	18.10	18.10	6.55	-2.28	129 (8)	7175 (8)	4059 (8)
4-55-P	84	90	18.10	18.10	4.91	-2.53	97 (8)	5378 (8)	3999 (8)
4-56-P	84	90	18.10	18.10	4.05	-2.81	87 (8)	4802 (8)	4004 (8)
4-57-P	84	90	18.10	18.10	3.68	-3.10	86 (8)	4762 (8)	4408 (8)
4-58-P	84	90	18.10	18.10	3.46	-3.35	81 (8)	4481 (8)	4337 (8)
4-59-P	84	90	18.10	18.10	3.64	-3.28	78 (8)	4322 (8)	3892 (8)
4-60-P	84	90	18.10	18.10	3.88	-3.27	83 (8)	4600 (8)	3873 (8)
4-61-P	84	90	18.10	18.10	4.51	-2.93	83 (8)	4584 (8)	3475 (8)
4-62-P	84	90	18.10	18.10	5.27	-2.55	90 (8)	5002 (8)	3296 (8)
4-63-P	84	90	18.10	18.10	6.46	-2.11	111 (8)	6131 (8)	3008 (8)
4-64-P	84	90	18.10	18.10	8.38	-1.68	134 (8)	7451 (8)	2995 (8)
4-65-P	84	90	18.10	18.10	18.63	0.00	167 (5)	9257 (5)	2783 (5)
4-66-P	84	90	18.10	18.10	19.18	0.00	139 (5)	7707 (5)	2563 (5)
4-67-P	84	90	18.10	18.10	19.73	0.00	111 (5)	6167 (5)	2712 (5)
4-68-P	84	90	18.10	18.10	21.21	0.00	102 (5)	5636 (5)	3004 (5)
4-69-P	84	90	18.10	18.10	23.31	0.00	94 (5)	5217 (5)	3110 (5)
4-70-P	84	90	18.10	18.10	24.96	0.00	89 (5)	4931 (5)	3206 (5)
4-71-P	84	90	18.10	18.10	24.79	0.00	84 (5)	4683 (5)	3072 (5)
4-72-P	84	90	18.10	18.10	24.61	0.00	86 (5)	4764 (5)	3259 (5)
4-73-P	84	90	18.10	18.10	22.32	0.00	85 (5)	4715 (5)	3049 (5)
4-74-P	84	90	18.10	18.10	19.48	0.00	89 (5)	4950 (5)	2683 (5)
4-75-P	84	90	18.10	18.10	16.71	0.00	90 (5)	5017 (5)	2550 (5)
4-76-P	84	90	18.10	18.10	7.21	-1.09	103 (8)	5702 (8)	2214 (8)
4-77-P	84	90	18.10	18.10	8.25	-0.74	118 (8)	6522 (8)	2095 (8)
4-78-P	84	90	18.10	18.10	5.12	-0.46	73 (8)	4050 (8)	1651 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-79-P	84	90	18.10	18.10	3.36	-0.23	31 (5)	1711 (5)	856 (5)
4-80-P	84	90	18.10	18.10	1.54	-0.60	6 (5)	332 (5)	306 (5)
4-81-P	84	90	18.10	18.10	1.12	-2.94	36 (8)	757 (8)	1990 (8)
5-1-P	84	90	18.10	18.10	4.50	0.00	55 (8)	3048 (8)	691 (8)
5-2-P	84	90	18.10	18.10	2.31	-0.36	28 (8)	1566 (8)	739 (8)
5-3-P	84	90	18.10	18.10	5.73	-6.31	85 (8)	3884 (8)	4729 (8)
5-4-P	84	90	18.10	18.10	8.99	-4.42	162 (8)	6094 (8)	8984 (8)
5-5-P	84	90	18.10	18.10	18.00	-8.27	303 (8)	12200 (8)	16819 (8)
5-6-P	84	90	18.10	18.10	15.54	-4.49	190 (8)	10534 (8)	9126 (8)
5-7-P	84	90	18.10	18.10	16.48	-4.10	201 (8)	11169 (8)	5837 (8)
5-8-P	84	90	18.10	18.10	20.34	-0.33	220 (5)	12178 (5)	2761 (5)
5-9-P	84	90	18.10	18.10	30.37	0.00	251 (5)	13924 (5)	3157 (5)
5-10-P	84	90	18.10	18.10	38.77	0.00	299 (5)	16563 (5)	3755 (5)
5-11-P	84	90	18.10	18.10	39.38	0.00	303 (5)	16787 (5)	3806 (5)
5-12-P	84	90	18.10	18.10	39.99	0.00	307 (5)	17012 (5)	3857 (5)
5-13-P	84	90	18.10	18.10	33.24	0.00	272 (5)	15092 (5)	3422 (5)
5-14-P	84	90	18.10	18.10	24.65	0.00	228 (5)	12636 (5)	2865 (5)
5-15-P	84	90	18.10	18.10	17.24	-0.30	211 (8)	11684 (8)	2649 (8)
5-16-P	84	90	18.10	18.10	19.39	-1.32	237 (8)	13137 (8)	4698 (8)
5-17-P	84	90	18.10	18.10	24.30	-5.11	297 (8)	16470 (8)	14552 (8)
5-18-P	84	90	18.10	18.10	20.05	-2.38	245 (8)	13586 (8)	6783 (8)
5-19-P	84	90	18.10	18.10	18.11	-1.97	221 (8)	12271 (8)	4002 (8)
5-20-P	84	90	18.10	18.10	22.94	0.00	220 (5)	12204 (5)	2767 (5)
5-21-P	84	90	18.10	18.10	31.17	0.00	256 (5)	14181 (5)	3215 (5)
5-22-P	84	90	18.10	18.10	37.67	0.00	288 (5)	15977 (5)	3623 (5)
5-23-P	84	90	18.10	18.10	37.25	0.00	285 (5)	15789 (5)	3580 (5)
5-24-P	84	90	18.10	18.10	36.83	0.00	281 (5)	15602 (5)	3538 (5)
5-25-P	84	90	18.10	18.10	29.52	0.00	242 (5)	13441 (5)	3048 (5)
5-26-P	84	90	18.10	18.10	20.48	0.00	195 (5)	10787 (5)	2446 (5)
5-27-P	84	90	18.10	18.10	15.24	-1.23	186 (8)	10330 (8)	3506 (8)
5-28-P	84	90	18.10	18.10	17.29	-2.21	211 (8)	11718 (8)	6303 (8)
5-29-P	84	90	18.10	18.10	22.05	-5.91	270 (8)	14942 (8)	14008 (8)
5-30-P	84	90	18.10	18.10	17.31	-2.61	212 (8)	11729 (8)	7434 (8)
5-31-P	84	90	18.10	18.10	15.19	-1.95	186 (8)	10297 (8)	3957 (8)
5-32-P	84	90	18.10	18.10	18.81	0.00	186 (5)	10291 (5)	2333 (5)
5-33-P	84	90	18.10	18.10	27.28	0.00	224 (5)	12411 (5)	2814 (5)
5-34-P	84	90	18.10	18.10	34.04	0.00	258 (5)	14316 (5)	3246 (5)
5-35-P	84	90	18.10	18.10	33.91	0.00	257 (5)	14256 (5)	3232 (5)
5-36-P	84	90	18.10	18.10	33.78	0.00	256 (5)	14195 (5)	3219 (5)
5-37-P	84	90	18.10	18.10	26.76	0.00	219 (5)	12167 (5)	2759 (5)
5-38-P	84	90	18.10	18.10	18.02	0.00	178 (5)	9860 (5)	2236 (5)
5-39-P	84	90	18.10	18.10	14.37	-1.84	176 (8)	9736 (8)	3746 (8)
5-40-P	84	90	18.10	18.10	16.46	-2.67	201 (8)	11154 (8)	7614 (8)
5-41-P	84	90	18.10	18.10	21.29	-6.24	267 (8)	14425 (8)	14804 (8)
5-42-P	84	90	18.10	18.10	16.46	-2.67	201 (8)	11154 (8)	7614 (8)
5-43-P	84	90	18.10	18.10	14.37	-1.84	176 (8)	9736 (8)	3746 (8)
5-44-P	84	90	18.10	18.10	18.02	0.00	178 (5)	9860 (5)	2236 (5)
5-45-P	84	90	18.10	18.10	26.76	0.00	219 (5)	12167 (5)	2759 (5)
5-46-P	84	90	18.10	18.10	33.78	0.00	256 (5)	14195 (5)	3219 (5)
5-47-P	84	90	18.10	18.10	33.91	0.00	257 (5)	14256 (5)	3232 (5)
5-48-P	84	90	18.10	18.10	34.04	0.00	258 (5)	14316 (5)	3246 (5)
5-49-P	84	90	18.10	18.10	27.28	0.00	224 (5)	12411 (5)	2814 (5)
5-50-P	84	90	18.10	18.10	18.81	0.00	186 (5)	10291 (5)	2333 (5)
5-51-P	84	90	18.10	18.10	15.19	-1.95	186 (8)	10297 (8)	3957 (8)
5-52-P	84	90	18.10	18.10	17.31	-2.61	212 (8)	11729 (8)	7434 (8)
5-53-P	84	90	18.10	18.10	22.05	-5.91	270 (8)	14942 (8)	14008 (8)
5-54-P	84	90	18.10	18.10	17.29	-2.21	211 (8)	11718 (8)	6303 (8)
5-55-P	84	90	18.10	18.10	15.24	-1.23	186 (8)	10330 (8)	3506 (8)
5-56-P	84	90	18.10	18.10	20.48	0.00	195 (5)	10787 (5)	2446 (5)
5-57-P	84	90	18.10	18.10	29.52	0.00	242 (5)	13441 (5)	3048 (5)
5-58-P	84	90	18.10	18.10	36.83	0.00	281 (5)	15602 (5)	3538 (5)
5-59-P	84	90	18.10	18.10	37.25	0.00	285 (5)	15789 (5)	3580 (5)
5-60-P	84	90	18.10	18.10	37.67	0.00	288 (5)	15977 (5)	3623 (5)
5-61-P	84	90	18.10	18.10	31.17	0.00	256 (5)	14181 (5)	3215 (5)
5-62-P	84	90	18.10	18.10	22.94	0.00	220 (5)	12204 (5)	2767 (5)
5-63-P	84	90	18.10	18.10	18.11	-1.97	221 (8)	12271 (8)	4002 (8)
5-64-P	84	90	18.10	18.10	20.05	-2.38	245 (8)	13586 (8)	6783 (8)
5-65-P	84	90	18.10	18.10	24.30	-5.11	297 (8)	16470 (8)	14552 (8)
5-66-P	84	90	18.10	18.10	19.39	-1.32	237 (8)	13137 (8)	4698 (8)
5-67-P	84	90	18.10	18.10	17.24	-0.30	211 (8)	11684 (8)	2649 (8)
5-68-P	84	90	18.10	18.10	24.65	0.00	228 (5)	12636 (5)	2865 (5)
5-69-P	84	90	18.10	18.10	33.24	0.00	272 (5)	15092 (5)	3422 (5)
5-70-P	84	90	18.10	18.10	39.99	0.00	307 (5)	17012 (5)	3857 (5)
5-71-P	84	90	18.10	18.10	39.38	0.00	303 (5)	16787 (5)	3806 (5)
5-72-P	84	90	18.10	18.10	38.77	0.00	299 (5)	16563 (5)	3755 (5)
5-73-P	84	90	18.10	18.10	30.37	0.00	251 (5)	13924 (5)	3157 (5)
5-74-P	84	90	18.10	18.10	20.34	-0.33	220 (5)	12178 (5)	2761 (5)
5-75-P	84	90	18.10	18.10	16.48	-4.10	201 (8)	11169 (8)	5837 (8)
5-76-P	84	90	18.10	18.10	15.54	-4.49	190 (8)	10534 (8)	9126 (8)
5-77-P	84	90	18.10	18.10	18.00	-8.27	303 (8)	12200 (8)	16819 (8)
5-78-P	84	90	18.10	18.10	8.99	-4.42	162 (8)	6094 (8)	8984 (8)
5-79-P	84	90	18.10	18.10	5.73	-6.31	85 (8)	3884 (8)	4729 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-80-P	84	90	18.10	18.10	2.31	-0.36	28 (8)	1566 (8)	739 (8)
5-81-P	84	90	18.10	18.10	4.50	0.00	55 (8)	3048 (8)	691 (8)
6-1-P	84	90	22.62	22.62	1.53	-5.96	81 (8)	1036 (8)	4056 (8)
6-2-P	84	90	22.62	22.62	0.41	-11.01	84 (5)	1075 (5)	4207 (5)
6-3-P	84	90	22.62	22.62	6.43	-13.92	152 (8)	3498 (8)	7574 (8)
6-4-P	84	90	22.62	22.62	0.00	-50.64	372 (5)	4747 (5)	18585 (5)
6-5-P	84	90	22.62	22.62	0.00	-83.42	653 (5)	8337 (5)	32638 (5)
6-6-P	84	90	22.62	22.62	0.00	-46.18	350 (5)	4470 (5)	17498 (5)
6-7-P	84	90	22.62	22.62	13.89	-15.97	174 (8)	7561 (8)	8692 (8)
6-8-P	84	90	22.62	22.62	19.37	-4.68	211 (8)	10542 (8)	2693 (8)
6-9-P	84	90	22.62	22.62	29.04	0.00	254 (5)	12695 (5)	3243 (5)
6-10-P	84	90	22.62	22.62	40.80	0.00	331 (5)	16510 (5)	4217 (5)
6-11-P	84	90	22.62	22.62	41.66	0.00	336 (5)	16797 (5)	4291 (5)
6-12-P	84	90	22.62	22.62	42.52	0.00	342 (5)	17084 (5)	4364 (5)
6-13-P	84	90	22.62	22.62	32.55	0.00	276 (5)	13808 (5)	3527 (5)
6-14-P	84	90	22.62	22.62	19.88	0.00	193 (5)	9643 (5)	2463 (5)
6-15-P	84	90	22.62	22.62	8.45	-6.33	92 (8)	4596 (8)	3446 (8)
6-16-P	84	90	22.62	22.62	0.00	-36.33	278 (5)	3544 (5)	13874 (5)
6-17-P	84	90	22.62	22.62	0.00	-71.11	573 (5)	7306 (5)	28602 (5)
6-18-P	84	90	22.62	22.62	0.00	-36.85	290 (5)	3705 (5)	14505 (5)
6-19-P	84	90	22.62	22.62	12.54	-11.22	137 (8)	6823 (8)	6107 (8)
6-20-P	84	90	22.62	22.62	18.65	-0.15	195 (5)	9762 (5)	2494 (5)
6-21-P	84	90	22.62	22.62	30.96	0.00	262 (5)	13107 (5)	3348 (5)
6-22-P	84	90	22.62	22.62	40.83	0.00	327 (5)	16314 (5)	4167 (5)
6-23-P	84	90	22.62	22.62	40.37	0.00	323 (5)	16143 (5)	4123 (5)
6-24-P	84	90	22.62	22.62	39.90	0.00	320 (5)	15971 (5)	4080 (5)
6-25-P	84	90	22.62	22.62	29.14	0.00	249 (5)	12433 (5)	3176 (5)
6-26-P	84	90	22.62	22.62	15.81	0.00	165 (5)	8224 (5)	2101 (5)
6-27-P	84	90	22.62	22.62	9.14	-10.23	111 (8)	4974 (8)	5568 (8)
6-28-P	84	90	22.62	22.62	0.00	-41.10	315 (5)	4024 (5)	15753 (5)
6-29-P	84	90	22.62	22.62	0.00	-76.08	610 (5)	7783 (5)	30469 (5)
6-30-P	84	90	22.62	22.62	0.00	-41.76	322 (5)	4111 (5)	16094 (5)
6-31-P	84	90	22.62	22.62	10.00	-12.00	131 (8)	5442 (8)	6530 (8)
6-32-P	84	90	22.62	22.62	14.81	-1.37	161 (8)	8058 (8)	2058 (8)
6-33-P	84	90	22.62	22.62	26.51	0.00	229 (5)	11450 (5)	2925 (5)
6-34-P	84	90	22.62	22.62	36.62	0.00	295 (5)	14748 (5)	3767 (5)
6-35-P	84	90	22.62	22.62	36.46	0.00	294 (5)	14688 (5)	3752 (5)
6-36-P	84	90	22.62	22.62	36.30	0.00	293 (5)	14629 (5)	3737 (5)
6-37-P	84	90	22.62	22.62	25.87	0.00	224 (5)	11211 (5)	2864 (5)
6-38-P	84	90	22.62	22.62	13.94	-1.16	152 (8)	7585 (8)	1938 (8)
6-39-P	84	90	22.62	22.62	9.20	-12.09	132 (8)	5009 (8)	6578 (8)
6-40-P	84	90	22.62	22.62	0.00	-43.37	333 (5)	4248 (5)	16630 (5)
6-41-P	84	90	22.62	22.62	0.00	-78.02	624 (5)	7968 (5)	31195 (5)
6-42-P	84	90	22.62	22.62	0.00	-43.37	333 (5)	4248 (5)	16630 (5)
6-43-P	84	90	22.62	22.62	9.20	-12.09	132 (8)	5009 (8)	6578 (8)
6-44-P	84	90	22.62	22.62	13.94	-1.16	152 (8)	7585 (8)	1938 (8)
6-45-P	84	90	22.62	22.62	25.87	0.00	224 (5)	11211 (5)	2864 (5)
6-46-P	84	90	22.62	22.62	36.30	0.00	293 (5)	14629 (5)	3737 (5)
6-47-P	84	90	22.62	22.62	36.46	0.00	294 (5)	14688 (5)	3752 (5)
6-48-P	84	90	22.62	22.62	36.62	0.00	295 (5)	14748 (5)	3767 (5)
6-49-P	84	90	22.62	22.62	26.51	0.00	229 (5)	11450 (5)	2925 (5)
6-50-P	84	90	22.62	22.62	14.81	-1.37	161 (8)	8058 (8)	2058 (8)
6-51-P	84	90	22.62	22.62	10.00	-12.00	131 (8)	5442 (8)	6530 (8)
6-52-P	84	90	22.62	22.62	0.00	-41.76	322 (5)	4111 (5)	16094 (5)
6-53-P	84	90	22.62	22.62	0.00	-76.08	610 (5)	7783 (5)	30469 (5)
6-54-P	84	90	22.62	22.62	0.00	-41.10	315 (5)	4024 (5)	15753 (5)
6-55-P	84	90	22.62	22.62	9.14	-10.23	111 (8)	4974 (8)	5568 (8)
6-56-P	84	90	22.62	22.62	15.81	0.00	165 (5)	8224 (5)	2101 (5)
6-57-P	84	90	22.62	22.62	29.14	0.00	249 (5)	12433 (5)	3176 (5)
6-58-P	84	90	22.62	22.62	39.90	0.00	320 (5)	15971 (5)	4080 (5)
6-59-P	84	90	22.62	22.62	40.37	0.00	323 (5)	16143 (5)	4123 (5)
6-60-P	84	90	22.62	22.62	40.83	0.00	327 (5)	16314 (5)	4167 (5)
6-61-P	84	90	22.62	22.62	30.96	0.00	262 (5)	13107 (5)	3348 (5)
6-62-P	84	90	22.62	22.62	18.65	-0.15	195 (5)	9762 (5)	2494 (5)
6-63-P	84	90	22.62	22.62	12.54	-11.22	137 (8)	6823 (8)	6107 (8)
6-64-P	84	90	22.62	22.62	0.00	-36.85	290 (5)	3705 (5)	14505 (5)
6-65-P	84	90	22.62	22.62	0.00	-71.11	573 (5)	7306 (5)	28602 (5)
6-66-P	84	90	22.62	22.62	0.00	-36.33	278 (5)	3544 (5)	13874 (5)
6-67-P	84	90	22.62	22.62	8.45	-6.33	92 (8)	4596 (8)	3446 (8)
6-68-P	84	90	22.62	22.62	19.88	0.00	193 (5)	9643 (5)	2463 (5)
6-69-P	84	90	22.62	22.62	32.55	0.00	276 (5)	13808 (5)	3527 (5)
6-70-P	84	90	22.62	22.62	42.52	0.00	342 (5)	17084 (5)	4364 (5)
6-71-P	84	90	22.62	22.62	41.66	0.00	336 (5)	16797 (5)	4291 (5)
6-72-P	84	90	22.62	22.62	40.80	0.00	331 (5)	16510 (5)	4217 (5)
6-73-P	84	90	22.62	22.62	29.04	0.00	254 (5)	12695 (5)	3243 (5)
6-74-P	84	90	22.62	22.62	19.37	-4.68	211 (8)	10542 (8)	2693 (8)
6-75-P	84	90	22.62	22.62	13.89	-15.97	174 (8)	7561 (8)	8692 (8)
6-76-P	84	90	22.62	22.62	0.00	-46.18	350 (5)	4470 (5)	17498 (5)
6-77-P	84	90	22.62	22.62	0.00	-83.42	653 (5)	8337 (5)	32638 (5)
6-78-P	84	90	22.62	22.62	0.00	-50.64	372 (5)	4747 (5)	18585 (5)
6-79-P	84	90	22.62	22.62	6.43	-13.92	152 (8)	3498 (8)	7574 (8)
6-80-P	84	90	22.62	22.62	0.41	-11.01	84 (5)	1075 (5)	4207 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-81-P	84	90	22.62	22.62	1.53	-5.96	81 (8)	1036 (8)	4056 (8)
7-1-S	100	90	22.62	22.62	0.08	-0.01	1 (5)	44 (5)	21 (5)
7-2-S	100	90	22.62	22.62	0.00	-1.03	10 (5)	130 (5)	558 (5)
7-3-S	100	90	22.62	22.62	0.00	-2.13	21 (5)	269 (5)	1158 (5)
7-4-S	100	90	22.62	22.62	0.00	-3.25	32 (5)	409 (5)	1761 (5)
7-5-S	100	90	22.62	22.62	0.00	-197.75	1977 (8)	24937 (8)	107292 (8)
7-6-S	100	90	22.62	22.62	0.00	-142.90	1429 (8)	18021 (8)	77535 (8)
7-7-S	100	90	22.62	22.62	0.00	-88.06	881 (8)	11105 (8)	47777 (8)
7-8-S	100	90	22.62	22.62	0.00	-45.09	451 (8)	5687 (8)	24466 (8)
7-9-S	100	90	22.62	22.62	88.53	0.00	42 (5)	532 (5)	2290 (5)
7-10-S	100	90	22.62	22.62	97.01	0.00	299 (5)	16211 (5)	3768 (5)
7-11-S	100	90	22.62	22.62	102.34	0.00	610 (5)	33109 (5)	7695 (5)
7-12-S	100	90	22.62	22.62	99.94	0.00	852 (5)	46251 (5)	10750 (5)
7-13-S	100	90	22.62	22.62	104.94	-0.01	1049 (8)	56935 (8)	13233 (8)
7-14-S	100	90	22.62	22.62	98.55	-0.08	985 (8)	53473 (8)	12428 (8)
7-15-S	100	90	22.62	22.62	64.00	-0.90	640 (8)	34724 (8)	8071 (8)
7-16-S	100	90	22.62	22.62	35.07	-6.78	433 (8)	23508 (8)	5464 (8)
7-17-S	100	90	22.62	22.62	19.27	-24.65	311 (8)	16890 (8)	13373 (8)
7-18-S	100	90	22.62	22.62	13.12	-21.57	219 (8)	11867 (8)	11705 (8)
7-19-S	100	90	22.62	22.62	6.86	-6.50	114 (8)	6204 (8)	4408 (8)
8-1-S	100	90	22.62	22.62	0.02	-0.01	0 (5)	12 (5)	11 (5)
8-2-S	100	90	22.62	22.62	0.00	-1.15	12 (5)	145 (5)	626 (5)
8-3-S	100	90	22.62	22.62	0.00	-2.32	23 (5)	293 (5)	1259 (5)
8-4-S	100	90	22.62	22.62	0.00	-3.49	35 (5)	440 (5)	1893 (5)
8-5-S	100	90	22.62	22.62	0.00	-205.18	2052 (8)	25875 (8)	111327 (8)
8-6-S	100	90	22.62	22.62	0.00	-151.23	1512 (8)	19071 (8)	82054 (8)
8-7-S	100	90	22.62	22.62	0.00	-97.28	973 (8)	12267 (8)	52780 (8)
8-8-S	100	90	22.62	22.62	0.00	-53.85	538 (8)	6790 (8)	29215 (8)
8-9-S	100	90	22.62	22.62	80.01	0.00	120 (5)	1516 (5)	6522 (5)
8-10-S	100	90	22.62	22.62	89.83	0.00	222 (5)	12068 (5)	2805 (5)
8-11-S	100	90	22.62	22.62	96.86	0.00	531 (5)	28796 (5)	6693 (5)
8-12-S	100	90	22.62	22.62	96.85	0.00	782 (5)	42459 (5)	9869 (5)
8-13-S	100	90	22.62	22.62	99.61	-0.04	996 (8)	54046 (8)	12562 (8)
8-14-S	100	90	22.62	22.62	94.47	-0.49	945 (8)	51259 (8)	11914 (8)
8-15-S	100	90	22.62	22.62	61.90	-3.29	619 (8)	33586 (8)	7806 (8)
8-16-S	100	90	22.62	22.62	35.94	-11.87	449 (8)	24375 (8)	6442 (8)
8-17-S	100	90	22.62	22.62	21.70	-30.50	381 (8)	19625 (8)	20684 (8)
8-18-S	100	90	22.62	22.62	14.39	-27.11	300 (8)	12617 (8)	16258 (8)
8-19-S	100	90	22.62	22.62	8.47	-11.08	141 (8)	7662 (8)	6010 (8)
9-1-S	100	90	22.62	22.62	0.00	-0.03	0 (5)	3 (5)	14 (5)
9-2-S	100	90	22.62	22.62	0.00	-1.14	11 (5)	144 (5)	619 (5)
9-3-S	100	90	22.62	22.62	0.00	-2.25	23 (5)	284 (5)	1223 (5)
9-4-S	100	90	22.62	22.62	0.00	-3.37	34 (5)	425 (5)	1828 (5)
9-5-S	100	90	22.62	22.62	0.00	-214.30	2143 (8)	27025 (8)	116272 (8)
9-6-S	100	90	22.62	22.62	0.00	-160.50	1605 (8)	20241 (8)	87084 (8)
9-7-S	100	90	22.62	22.62	0.00	-106.71	1067 (8)	13457 (8)	57896 (8)
9-8-S	100	90	22.62	22.62	0.00	-64.34	643 (8)	8114 (8)	34910 (8)
9-9-S	100	90	22.62	22.62	0.00	-23.71	237 (8)	2989 (8)	12862 (8)
9-10-S	100	90	22.62	22.62	74.38	0.00	66 (5)	3606 (5)	838 (5)
9-11-S	100	90	22.62	22.62	78.54	0.00	302 (5)	16373 (5)	3806 (5)
9-12-S	100	90	22.62	22.62	76.32	0.00	453 (5)	24600 (5)	5718 (5)
9-13-S	100	90	22.62	22.62	69.95	0.00	542 (5)	29403 (5)	6834 (5)
9-14-S	100	90	22.62	22.62	60.18	0.00	554 (5)	30073 (5)	6990 (5)
9-15-S	100	90	22.62	22.62	48.23	0.00	482 (8)	26170 (8)	6082 (8)
9-16-S	100	90	22.62	22.62	38.55	0.00	385 (8)	20916 (8)	4861 (8)
9-17-S	100	90	22.62	22.62	24.11	0.00	241 (8)	13080 (8)	3040 (8)
9-18-S	100	90	22.62	22.62	14.29	0.00	143 (8)	7756 (8)	1803 (8)
9-19-S	100	90	22.62	22.62	6.74	0.00	67 (8)	3659 (8)	851 (8)
10-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	8 (5)
10-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	623 (5)
10-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
10-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
10-5-S	100	90	22.62	22.62	0.00	-224.75	2247 (8)	28343 (8)	121943 (8)
10-6-S	100	90	22.62	22.62	0.00	-169.31	1693 (8)	21351 (8)	91862 (8)
10-7-S	100	90	22.62	22.62	0.00	-113.87	1139 (8)	14360 (8)	61782 (8)
10-8-S	100	90	22.62	22.62	0.00	-68.94	689 (8)	8694 (8)	37403 (8)
10-9-S	100	90	22.62	22.62	0.00	-25.59	256 (8)	3228 (8)	13887 (8)
10-10-S	100	90	22.62	22.62	76.49	0.00	99 (5)	5358 (5)	1245 (5)
10-11-S	100	90	22.62	22.62	86.48	0.00	425 (5)	23081 (5)	5365 (5)
10-12-S	100	90	22.62	22.62	88.68	0.00	689 (5)	37373 (5)	8686 (5)
10-13-S	100	90	22.62	22.62	91.07	0.00	911 (8)	49411 (8)	11484 (8)
10-14-S	100	90	22.62	22.62	87.13	0.00	871 (8)	47273 (8)	10988 (8)
10-15-S	100	90	22.62	22.62	54.28	-0.03	543 (8)	29449 (8)	6845 (8)
10-16-S	100	90	22.62	22.62	29.23	-7.22	365 (8)	19827 (8)	6530 (8)
10-17-S	100	90	22.62	22.62	18.72	-27.64	461 (8)	16928 (8)	24990 (8)
10-18-S	100	90	22.62	22.62	11.99	-24.41	427 (8)	11389 (8)	23177 (8)
10-19-S	100	90	22.62	22.62	5.61	-8.23	103 (8)	5073 (8)	5581 (8)
11-1-S	100	90	22.62	22.62	0.03	-0.01	0 (5)	17 (5)	4 (5)
11-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
11-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
11-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
11-5-S	100	90	22.62	22.62	0.00	-232.03	2320 (8)	29261 (8)	125892 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-6-S	100	90	22.62	22.62	0.00	-175.95	1759 (8)	22188 (8)	95465 (8)
11-7-S	100	90	22.62	22.62	0.00	-119.87	1199 (8)	15116 (8)	65037 (8)
11-8-S	100	90	22.62	22.62	0.00	-74.32	743 (8)	9372 (8)	40322 (8)
11-9-S	100	90	22.62	22.62	0.00	-30.36	304 (8)	3828 (8)	16470 (8)
11-10-S	100	90	22.62	22.62	70.84	0.00	74 (5)	4019 (5)	1532 (5)
11-11-S	100	90	22.62	22.62	81.82	0.00	390 (5)	21143 (5)	4914 (5)
11-12-S	100	90	22.62	22.62	84.92	0.00	659 (5)	35745 (5)	8308 (5)
11-13-S	100	90	22.62	22.62	88.63	0.00	886 (8)	48086 (8)	11177 (8)
11-14-S	100	90	22.62	22.62	85.30	-0.09	853 (8)	46283 (8)	10757 (8)
11-15-S	100	90	22.62	22.62	54.60	-1.77	546 (8)	29626 (8)	6886 (8)
11-16-S	100	90	22.62	22.62	31.47	-10.41	393 (8)	21345 (8)	7058 (8)
11-17-S	100	90	22.62	22.62	19.26	-28.72	359 (8)	17415 (8)	19476 (8)
11-18-S	100	90	22.62	22.62	12.62	-25.32	332 (8)	11063 (8)	18032 (8)
11-19-S	100	90	22.62	22.62	6.83	-9.54	114 (8)	6175 (8)	5178 (8)
12-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
12-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
12-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
12-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
12-5-S	100	90	22.62	22.62	0.00	-236.10	2361 (8)	29774 (8)	128101 (8)
12-6-S	100	90	22.62	22.62	0.00	-180.37	1804 (8)	22747 (8)	97866 (8)
12-7-S	100	90	22.62	22.62	0.00	-124.65	1246 (8)	15719 (8)	67631 (8)
12-8-S	100	90	22.62	22.62	0.00	-80.47	805 (8)	10148 (8)	43662 (8)
12-9-S	100	90	22.62	22.62	0.00	-38.04	380 (8)	4797 (8)	20640 (8)
12-10-S	100	90	22.62	22.62	57.82	0.00	74 (5)	937 (5)	4033 (5)
12-11-S	100	90	22.62	22.62	64.99	0.00	193 (5)	10499 (5)	2440 (5)
12-12-S	100	90	22.62	22.62	65.44	0.00	362 (5)	19645 (5)	4566 (5)
12-13-S	100	90	22.62	22.62	61.50	0.00	467 (5)	25346 (5)	5891 (5)
12-14-S	100	90	22.62	22.62	53.89	0.00	495 (5)	26883 (5)	6248 (5)
12-15-S	100	90	22.62	22.62	43.89	0.00	439 (8)	23812 (8)	5535 (8)
12-16-S	100	90	22.62	22.62	35.64	0.00	356 (8)	19337 (8)	4494 (8)
12-17-S	100	90	22.62	22.62	22.44	0.00	224 (8)	12175 (8)	2830 (8)
12-18-S	100	90	22.62	22.62	13.39	0.00	134 (8)	7268 (8)	1689 (8)
12-19-S	100	90	22.62	22.62	6.38	0.00	64 (8)	3462 (8)	805 (8)
13-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
13-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
13-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
13-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
13-5-S	100	90	22.62	22.62	0.00	-239.93	2399 (8)	30257 (8)	130178 (8)
13-6-S	100	90	22.62	22.62	0.00	-183.38	1834 (8)	23126 (8)	99498 (8)
13-7-S	100	90	22.62	22.62	0.00	-126.83	1268 (8)	15995 (8)	68817 (8)
13-8-S	100	90	22.62	22.62	0.00	-80.70	807 (8)	10177 (8)	43788 (8)
13-9-S	100	90	22.62	22.62	0.00	-36.15	361 (8)	4559 (8)	19614 (8)
13-10-S	100	90	22.62	22.62	63.59	0.00	30 (5)	1602 (5)	1635 (5)
13-11-S	100	90	22.62	22.62	75.56	0.00	345 (5)	18697 (5)	4346 (5)
13-12-S	100	90	22.62	22.62	79.64	0.00	620 (5)	33659 (5)	7823 (5)
13-13-S	100	90	22.62	22.62	85.45	0.00	854 (8)	46363 (8)	10776 (8)
13-14-S	100	90	22.62	22.62	82.69	0.00	827 (8)	44864 (8)	10428 (8)
13-15-S	100	90	22.62	22.62	51.75	-0.82	517 (8)	28077 (8)	6526 (8)
13-16-S	100	90	22.62	22.62	28.90	-9.14	361 (8)	19598 (8)	6199 (8)
13-17-S	100	90	22.62	22.62	18.36	-28.59	476 (8)	16604 (8)	25851 (8)
13-18-S	100	90	22.62	22.62	11.92	-25.04	351 (8)	11321 (8)	19021 (8)
13-19-S	100	90	22.62	22.62	6.10	-8.97	112 (8)	5513 (8)	6085 (8)
14-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
14-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
14-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
14-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
14-5-S	100	90	22.62	22.62	0.00	-241.69	2417 (8)	30479 (8)	131134 (8)
14-6-S	100	90	22.62	22.62	0.00	-185.10	1851 (8)	23343 (8)	100431 (8)
14-7-S	100	90	22.62	22.62	0.00	-128.52	1285 (8)	16207 (8)	69729 (8)
14-8-S	100	90	22.62	22.62	0.00	-82.29	823 (8)	10378 (8)	44649 (8)
14-9-S	100	90	22.62	22.62	0.00	-37.64	376 (8)	4746 (8)	20420 (8)
14-10-S	100	90	22.62	22.62	61.67	0.00	41 (5)	1656 (5)	2200 (5)
14-11-S	100	90	22.62	22.62	73.85	0.00	332 (5)	18038 (5)	4192 (5)
14-12-S	100	90	22.62	22.62	78.15	0.00	610 (5)	33083 (5)	7689 (5)
14-13-S	100	90	22.62	22.62	84.56	0.00	845 (8)	45877 (8)	10663 (8)
14-14-S	100	90	22.62	22.62	82.03	-0.07	820 (8)	44510 (8)	10345 (8)
14-15-S	100	90	22.62	22.62	51.88	-1.51	519 (8)	28151 (8)	6543 (8)
14-16-S	100	90	22.62	22.62	29.58	-10.22	370 (8)	20063 (8)	6930 (8)
14-17-S	100	90	22.62	22.62	18.52	-28.98	362 (8)	16744 (8)	19652 (8)
14-18-S	100	90	22.62	22.62	12.11	-25.36	333 (8)	11503 (8)	18062 (8)
14-19-S	100	90	22.62	22.62	6.41	-9.34	117 (8)	5798 (8)	6337 (8)
15-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
15-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
15-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
15-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
15-5-S	100	90	22.62	22.62	0.00	-241.82	2418 (8)	30495 (8)	131204 (8)
15-6-S	100	90	22.62	22.62	0.00	-185.91	1859 (8)	23445 (8)	100872 (8)
15-7-S	100	90	22.62	22.62	0.00	-130.01	1300 (8)	16395 (8)	70540 (8)
15-8-S	100	90	22.62	22.62	0.00	-85.50	855 (8)	10783 (8)	46392 (8)
15-9-S	100	90	22.62	22.62	0.00	-42.72	427 (8)	5387 (8)	23179 (8)
15-10-S	100	90	22.62	22.62	51.83	0.00	115 (5)	1452 (5)	6248 (5)
15-11-S	100	90	22.62	22.62	59.67	0.00	156 (5)	8443 (5)	1962 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
15-12-S	100	90	22.62	22.62	60.83	0.00	329 (5)	17860 (5)	4151 (5)
15-13-S	100	90	22.62	22.62	57.65	0.00	439 (5)	23846 (5)	5542 (5)
15-14-S	100	90	22.62	22.62	50.78	0.00	473 (5)	25669 (5)	5966 (5)
15-15-S	100	90	22.62	22.62	42.18	0.00	422 (8)	22884 (8)	5319 (8)
15-16-S	100	90	22.62	22.62	34.44	0.00	344 (8)	18687 (8)	4343 (8)
15-17-S	100	90	22.62	22.62	21.73	0.00	217 (8)	11788 (8)	2740 (8)
15-18-S	100	90	22.62	22.62	13.00	0.00	130 (8)	7051 (8)	1639 (8)
15-19-S	100	90	22.62	22.62	6.21	0.00	62 (8)	3372 (8)	784 (8)
16-1-S	100	90	27.14	27.14	0.01	-0.01	0 (5)	6 (5)	6 (5)
16-2-S	100	90	27.14	27.14	0.00	-1.15	10 (5)	133 (5)	520 (5)
16-3-S	100	90	27.14	27.14	0.00	-2.30	21 (5)	267 (5)	1041 (5)
16-4-S	100	90	27.14	27.14	0.00	-3.45	31 (5)	400 (5)	1563 (5)
16-5-S	100	90	27.14	27.14	0.00	-243.03	2211 (8)	28226 (8)	110211 (8)
16-6-S	100	90	27.14	27.14	0.00	-186.45	1696 (8)	21654 (8)	84551 (8)
16-7-S	100	90	27.14	27.14	0.00	-129.86	1182 (8)	15082 (8)	58891 (8)
16-8-S	100	90	27.14	27.14	0.00	-83.59	761 (8)	9708 (8)	37907 (8)
16-9-S	100	90	27.14	27.14	0.00	-38.88	354 (8)	4515 (8)	17629 (8)
16-10-S	100	90	27.14	27.14	60.06	0.00	40 (5)	882 (5)	1989 (5)
16-11-S	100	90	27.14	27.14	72.38	0.00	293 (5)	14601 (5)	3739 (5)
16-12-S	100	90	27.14	27.14	76.84	0.00	546 (5)	27231 (5)	6974 (5)
16-13-S	100	90	27.14	27.14	83.76	0.00	762 (8)	37985 (8)	9728 (8)
16-14-S	100	90	27.14	27.14	81.36	-0.05	740 (8)	36897 (8)	9450 (8)
16-15-S	100	90	27.14	27.14	51.21	-1.34	466 (8)	23223 (8)	5948 (8)
16-16-S	100	90	27.14	27.14	29.01	-10.00	330 (8)	16443 (8)	5671 (8)
16-17-S	100	90	27.14	27.14	18.30	-28.97	330 (8)	13828 (8)	16424 (8)
16-18-S	100	90	27.14	27.14	11.97	-25.34	303 (8)	9499 (8)	15084 (8)
16-19-S	100	90	27.14	27.14	6.26	-9.25	105 (8)	4731 (8)	5241 (8)
17-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
17-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
17-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
17-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
17-5-S	100	90	22.62	22.62	0.00	-243.03	2430 (8)	30648 (8)	131862 (8)
17-6-S	100	90	22.62	22.62	0.00	-186.45	1864 (8)	23512 (8)	101161 (8)
17-7-S	100	90	22.62	22.62	0.00	-129.86	1299 (8)	16377 (8)	70461 (8)
17-8-S	100	90	22.62	22.62	0.00	-83.59	836 (8)	10541 (8)	45354 (8)
17-9-S	100	90	22.62	22.62	0.00	-38.88	389 (8)	4903 (8)	21093 (8)
17-10-S	100	90	22.62	22.62	60.06	0.00	44 (5)	1055 (5)	2379 (5)
17-11-S	100	90	22.62	22.62	72.38	0.00	322 (5)	17469 (5)	4060 (5)
17-12-S	100	90	22.62	22.62	76.84	0.00	600 (5)	32581 (5)	7573 (5)
17-13-S	100	90	22.62	22.62	83.76	0.00	838 (8)	45448 (8)	10563 (8)
17-14-S	100	90	22.62	22.62	81.36	-0.05	814 (8)	44145 (8)	10261 (8)
17-15-S	100	90	22.62	22.62	51.21	-1.34	512 (8)	27785 (8)	6458 (8)
17-16-S	100	90	22.62	22.62	29.01	-10.00	363 (8)	19673 (8)	6785 (8)
17-17-S	100	90	22.62	22.62	18.30	-28.97	362 (8)	16545 (8)	19651 (8)
17-18-S	100	90	22.62	22.62	11.97	-25.34	333 (8)	11365 (8)	18047 (8)
17-19-S	100	90	22.62	22.62	6.26	-9.25	116 (8)	5661 (8)	6271 (8)
18-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
18-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
18-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
18-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
18-5-S	100	90	22.62	22.62	0.00	-241.82	2418 (8)	30495 (8)	131204 (8)
18-6-S	100	90	22.62	22.62	0.00	-185.91	1859 (8)	23445 (8)	100872 (8)
18-7-S	100	90	22.62	22.62	0.00	-130.01	1300 (8)	16395 (8)	70540 (8)
18-8-S	100	90	22.62	22.62	0.00	-85.50	855 (8)	10783 (8)	46392 (8)
18-9-S	100	90	22.62	22.62	0.00	-42.72	427 (8)	5387 (8)	23179 (8)
18-10-S	100	90	22.62	22.62	51.83	0.00	115 (5)	1452 (5)	6248 (5)
18-11-S	100	90	22.62	22.62	59.67	0.00	156 (5)	8443 (5)	1962 (5)
18-12-S	100	90	22.62	22.62	60.83	0.00	329 (5)	17860 (5)	4151 (5)
18-13-S	100	90	22.62	22.62	57.65	0.00	439 (5)	23846 (5)	5542 (5)
18-14-S	100	90	22.62	22.62	50.78	0.00	473 (5)	25669 (5)	5966 (5)
18-15-S	100	90	22.62	22.62	42.18	0.00	422 (8)	22884 (8)	5319 (8)
18-16-S	100	90	22.62	22.62	34.44	0.00	344 (8)	18687 (8)	4343 (8)
18-17-S	100	90	22.62	22.62	21.73	0.00	217 (8)	11788 (8)	2740 (8)
18-18-S	100	90	22.62	22.62	13.00	0.00	130 (8)	7051 (8)	1639 (8)
18-19-S	100	90	22.62	22.62	6.21	0.00	62 (8)	3372 (8)	784 (8)
19-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
19-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
19-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
19-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
19-5-S	100	90	22.62	22.62	0.00	-241.69	2417 (8)	30479 (8)	131134 (8)
19-6-S	100	90	22.62	22.62	0.00	-185.10	1851 (8)	23343 (8)	100431 (8)
19-7-S	100	90	22.62	22.62	0.00	-128.52	1285 (8)	16207 (8)	69729 (8)
19-8-S	100	90	22.62	22.62	0.00	-82.29	823 (8)	10378 (8)	44649 (8)
19-9-S	100	90	22.62	22.62	0.00	-37.64	376 (8)	4746 (8)	20420 (8)
19-10-S	100	90	22.62	22.62	61.67	0.00	41 (5)	1656 (5)	2200 (5)
19-11-S	100	90	22.62	22.62	73.85	0.00	332 (5)	18038 (5)	4192 (5)
19-12-S	100	90	22.62	22.62	78.15	0.00	610 (5)	33083 (5)	7689 (5)
19-13-S	100	90	22.62	22.62	84.56	0.00	845 (8)	45877 (8)	10663 (8)
19-14-S	100	90	22.62	22.62	82.03	-0.07	820 (8)	44510 (8)	10345 (8)
19-15-S	100	90	22.62	22.62	51.88	-1.51	519 (8)	28151 (8)	6543 (8)
19-16-S	100	90	22.62	22.62	29.58	-10.22	370 (8)	20063 (8)	6930 (8)
19-17-S	100	90	22.62	22.62	18.52	-28.98	362 (8)	16744 (8)	19652 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
19-18-S	100	90	22.62	22.62	12.11	-25.36	333 (8)	11503 (8)	18062 (8)
19-19-S	100	90	22.62	22.62	6.41	-9.34	117 (8)	5798 (8)	6337 (8)
20-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
20-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
20-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
20-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
20-5-S	100	90	22.62	22.62	0.00	-239.93	2399 (8)	30257 (8)	130178 (8)
20-6-S	100	90	22.62	22.62	0.00	-183.38	1834 (8)	23126 (8)	99498 (8)
20-7-S	100	90	22.62	22.62	0.00	-126.83	1268 (8)	15995 (8)	68817 (8)
20-8-S	100	90	22.62	22.62	0.00	-80.70	807 (8)	10177 (8)	43788 (8)
20-9-S	100	90	22.62	22.62	0.00	-36.15	361 (8)	4559 (8)	19614 (8)
20-10-S	100	90	22.62	22.62	63.59	0.00	30 (5)	1602 (5)	1635 (5)
20-11-S	100	90	22.62	22.62	75.56	0.00	345 (5)	18697 (5)	4346 (5)
20-12-S	100	90	22.62	22.62	79.64	0.00	620 (5)	33659 (5)	7823 (5)
20-13-S	100	90	22.62	22.62	85.45	0.00	854 (8)	46363 (8)	10776 (8)
20-14-S	100	90	22.62	22.62	82.69	0.00	827 (8)	44864 (8)	10428 (8)
20-15-S	100	90	22.62	22.62	51.75	-0.82	517 (8)	28077 (8)	6526 (8)
20-16-S	100	90	22.62	22.62	28.90	-9.14	361 (8)	19598 (8)	6199 (8)
20-17-S	100	90	22.62	22.62	18.36	-28.59	476 (8)	16604 (8)	25851 (8)
20-18-S	100	90	22.62	22.62	11.92	-25.04	351 (8)	11321 (8)	19021 (8)
20-19-S	100	90	22.62	22.62	6.10	-8.97	112 (8)	5513 (8)	6085 (8)
21-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
21-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
21-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
21-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
21-5-S	100	90	22.62	22.62	0.00	-236.10	2361 (8)	29774 (8)	128101 (8)
21-6-S	100	90	22.62	22.62	0.00	-180.37	1804 (8)	22747 (8)	97866 (8)
21-7-S	100	90	22.62	22.62	0.00	-124.65	1246 (8)	15719 (8)	67631 (8)
21-8-S	100	90	22.62	22.62	0.00	-80.47	805 (8)	10148 (8)	43662 (8)
21-9-S	100	90	22.62	22.62	0.00	-38.04	380 (8)	4797 (8)	20640 (8)
21-10-S	100	90	22.62	22.62	57.82	0.00	74 (5)	937 (5)	4033 (5)
21-11-S	100	90	22.62	22.62	64.99	0.00	193 (5)	10499 (5)	2440 (5)
21-12-S	100	90	22.62	22.62	65.44	0.00	362 (5)	19645 (5)	4566 (5)
21-13-S	100	90	22.62	22.62	61.50	0.00	467 (5)	25346 (5)	5891 (5)
21-14-S	100	90	22.62	22.62	53.89	0.00	495 (5)	26883 (5)	6248 (5)
21-15-S	100	90	22.62	22.62	43.89	0.00	439 (8)	23812 (8)	5535 (8)
21-16-S	100	90	22.62	22.62	35.64	0.00	356 (8)	19337 (8)	4494 (8)
21-17-S	100	90	22.62	22.62	22.44	0.00	224 (8)	12175 (8)	2830 (8)
21-18-S	100	90	22.62	22.62	13.39	0.00	134 (8)	7268 (8)	1689 (8)
21-19-S	100	90	22.62	22.62	6.38	0.00	64 (8)	3462 (8)	805 (8)
22-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
22-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
22-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
22-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
22-5-S	100	90	22.62	22.62	0.00	-232.03	2320 (8)	29261 (8)	125892 (8)
22-6-S	100	90	22.62	22.62	0.00	-175.95	1759 (8)	22188 (8)	95465 (8)
22-7-S	100	90	22.62	22.62	0.00	-119.87	1199 (8)	15116 (8)	65037 (8)
22-8-S	100	90	22.62	22.62	0.00	-74.32	743 (8)	9372 (8)	40322 (8)
22-9-S	100	90	22.62	22.62	0.00	-30.36	304 (8)	3828 (8)	16470 (8)
22-10-S	100	90	22.62	22.62	70.84	0.00	74 (5)	4019 (5)	1532 (5)
22-11-S	100	90	22.62	22.62	81.82	0.00	390 (5)	21143 (5)	4914 (5)
22-12-S	100	90	22.62	22.62	84.92	0.00	659 (5)	35745 (5)	8308 (5)
22-13-S	100	90	22.62	22.62	88.63	0.00	886 (8)	48086 (8)	11177 (8)
22-14-S	100	90	22.62	22.62	85.30	-0.09	853 (8)	46283 (8)	10757 (8)
22-15-S	100	90	22.62	22.62	54.60	-1.77	546 (8)	29626 (8)	6886 (8)
22-16-S	100	90	22.62	22.62	31.47	-10.41	393 (8)	21345 (8)	7058 (8)
22-17-S	100	90	22.62	22.62	19.26	-28.72	359 (8)	17415 (8)	19476 (8)
22-18-S	100	90	22.62	22.62	12.62	-25.32	332 (8)	11063 (8)	18032 (8)
22-19-S	100	90	22.62	22.62	6.83	-9.54	114 (8)	6175 (8)	5178 (8)
23-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	18 (5)	4 (5)
23-2-S	100	90	22.62	22.62	0.00	-1.06	11 (5)	134 (5)	577 (5)
23-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
23-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
23-5-S	100	90	22.62	22.62	0.00	-224.75	2247 (8)	28343 (8)	121943 (8)
23-6-S	100	90	22.62	22.62	0.00	-169.31	1693 (8)	21351 (8)	91862 (8)
23-7-S	100	90	22.62	22.62	0.00	-113.87	1139 (8)	14360 (8)	61782 (8)
23-8-S	100	90	22.62	22.62	0.00	-68.94	689 (8)	8694 (8)	37403 (8)
23-9-S	100	90	22.62	22.62	0.00	-25.59	256 (8)	3228 (8)	13887 (8)
23-10-S	100	90	22.62	22.62	76.49	0.00	99 (5)	5358 (5)	1245 (5)
23-11-S	100	90	22.62	22.62	86.48	0.00	425 (5)	23081 (5)	5365 (5)
23-12-S	100	90	22.62	22.62	88.68	0.00	689 (5)	37373 (5)	8686 (5)
23-13-S	100	90	22.62	22.62	91.07	0.00	911 (8)	49411 (8)	11484 (8)
23-14-S	100	90	22.62	22.62	87.13	0.00	871 (8)	47273 (8)	10988 (8)
23-15-S	100	90	22.62	22.62	54.28	-0.03	543 (8)	29449 (8)	6845 (8)
23-16-S	100	90	22.62	22.62	29.23	-7.22	365 (8)	19827 (8)	6530 (8)
23-17-S	100	90	22.62	22.62	18.72	-27.64	461 (8)	16928 (8)	24990 (8)
23-18-S	100	90	22.62	22.62	11.99	-24.41	427 (8)	11389 (8)	23177 (8)
23-19-S	100	90	22.62	22.62	5.61	-8.23	103 (8)	5073 (8)	5581 (8)
24-1-S	100	90	22.62	22.62	0.01	0.00	0 (5)	6 (5)	1 (5)
24-2-S	100	90	22.62	22.62	0.00	-1.10	11 (5)	138 (5)	595 (5)
24-3-S	100	90	22.62	22.62	0.00	-2.20	22 (5)	278 (5)	1195 (5)
24-4-S	100	90	22.62	22.62	0.00	-3.31	33 (5)	417 (5)	1796 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
24-5-S	100	90	22.62	22.62	0.00	-214.30	2143 (8)	27025 (8)	116272 (8)
24-6-S	100	90	22.62	22.62	0.00	-160.50	1605 (8)	20241 (8)	87084 (8)
24-7-S	100	90	22.62	22.62	0.00	-106.71	1067 (8)	13457 (8)	57896 (8)
24-8-S	100	90	22.62	22.62	0.00	-64.34	643 (8)	8114 (8)	34910 (8)
24-9-S	100	90	22.62	22.62	0.00	-23.71	237 (8)	2989 (8)	12862 (8)
24-10-S	100	90	22.62	22.62	74.38	0.00	66 (5)	3606 (5)	838 (5)
24-11-S	100	90	22.62	22.62	78.54	0.00	302 (5)	16373 (5)	3806 (5)
24-12-S	100	90	22.62	22.62	76.32	0.00	453 (5)	24600 (5)	5718 (5)
24-13-S	100	90	22.62	22.62	69.95	0.00	542 (5)	29403 (5)	6834 (5)
24-14-S	100	90	22.62	22.62	60.18	0.00	554 (5)	30073 (5)	6990 (5)
24-15-S	100	90	22.62	22.62	48.23	0.00	482 (8)	26170 (8)	6082 (8)
24-16-S	100	90	22.62	22.62	38.55	0.00	385 (8)	20916 (8)	4861 (8)
24-17-S	100	90	22.62	22.62	24.11	0.00	241 (8)	13080 (8)	3040 (8)
24-18-S	100	90	22.62	22.62	14.29	0.00	143 (8)	7756 (8)	1803 (8)
24-19-S	100	90	22.62	22.62	6.74	0.00	67 (8)	3659 (8)	851 (8)
25-1-S	100	90	22.62	22.62	0.04	0.00	0 (5)	19 (5)	4 (5)
25-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	135 (5)	579 (5)
25-3-S	100	90	22.62	22.62	0.00	-2.17	22 (5)	274 (5)	1178 (5)
25-4-S	100	90	22.62	22.62	0.00	-3.28	33 (5)	413 (5)	1778 (5)
25-5-S	100	90	22.62	22.62	0.00	-205.18	2052 (8)	25875 (8)	111327 (8)
25-6-S	100	90	22.62	22.62	0.00	-151.23	1512 (8)	19071 (8)	82054 (8)
25-7-S	100	90	22.62	22.62	0.00	-97.28	973 (8)	12267 (8)	52780 (8)
25-8-S	100	90	22.62	22.62	0.00	-53.85	538 (8)	6790 (8)	29215 (8)
25-9-S	100	90	22.62	22.62	80.01	0.00	120 (5)	1516 (5)	6522 (5)
25-10-S	100	90	22.62	22.62	89.83	0.00	222 (5)	12068 (5)	2805 (5)
25-11-S	100	90	22.62	22.62	96.86	0.00	531 (5)	28796 (5)	6693 (5)
25-12-S	100	90	22.62	22.62	96.85	0.00	782 (5)	42459 (5)	9869 (5)
25-13-S	100	90	22.62	22.62	99.61	-0.04	996 (8)	54046 (8)	12562 (8)
25-14-S	100	90	22.62	22.62	94.47	-0.49	945 (8)	51259 (8)	11914 (8)
25-15-S	100	90	22.62	22.62	61.90	-3.29	619 (8)	33586 (8)	7806 (8)
25-16-S	100	90	22.62	22.62	35.94	-11.87	449 (8)	24375 (8)	6442 (8)
25-17-S	100	90	22.62	22.62	21.70	-30.50	381 (8)	19625 (8)	20684 (8)
25-18-S	100	90	22.62	22.62	14.39	-27.11	300 (8)	12617 (8)	16258 (8)
25-19-S	100	90	22.62	22.62	8.47	-11.08	141 (8)	7662 (8)	6010 (8)
26-1-S	100	90	22.62	22.62	0.05	-0.02	0 (5)	25 (5)	27 (5)
26-2-S	100	90	22.62	22.62	0.00	-1.14	11 (5)	144 (5)	618 (5)
26-3-S	100	90	22.62	22.62	0.00	-2.31	23 (5)	291 (5)	1252 (5)
26-4-S	100	90	22.62	22.62	0.00	-3.48	35 (5)	439 (5)	1887 (5)
26-5-S	100	90	22.62	22.62	0.00	-197.75	1977 (8)	24937 (8)	107292 (8)
26-6-S	100	90	22.62	22.62	0.00	-142.90	1429 (8)	18021 (8)	77535 (8)
26-7-S	100	90	22.62	22.62	0.00	-88.06	881 (8)	11105 (8)	47777 (8)
26-8-S	100	90	22.62	22.62	0.00	-45.09	451 (8)	5687 (8)	24466 (8)
26-9-S	100	90	22.62	22.62	88.53	0.00	42 (5)	532 (5)	2290 (5)
26-10-S	100	90	22.62	22.62	97.01	0.00	299 (5)	16211 (5)	3768 (5)
26-11-S	100	90	22.62	22.62	102.34	0.00	610 (5)	33109 (5)	7695 (5)
26-12-S	100	90	22.62	22.62	99.94	0.00	852 (5)	46251 (5)	10750 (5)
26-13-S	100	90	22.62	22.62	104.94	-0.01	1049 (8)	56935 (8)	13233 (8)
26-14-S	100	90	22.62	22.62	98.55	-0.08	985 (8)	53473 (8)	12428 (8)
26-15-S	100	90	22.62	22.62	64.00	-0.90	640 (8)	34724 (8)	8071 (8)
26-16-S	100	90	22.62	22.62	35.07	-6.78	433 (8)	23508 (8)	5464 (8)
26-17-S	100	90	22.62	22.62	19.27	-24.65	311 (8)	16890 (8)	13373 (8)
26-18-S	100	90	22.62	22.62	13.12	-21.57	219 (8)	11867 (8)	11705 (8)
26-19-S	100	90	22.62	22.62	6.86	-6.50	114 (8)	6204 (8)	4408 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstf [kPa]
1	1	108.57	4703	57020		
1	2	108.57	3960	47843		
1	3	108.57	3281	40342		
1	4	108.57	2670	33516		
1	5	108.57	2138	27480		
1	6	108.57	1704	22436		
1	7	108.57	1373	18490		
1	8	108.57	1097	15186		
1	9	108.57	853	12254		
1	10	108.57	698	10375		
1	11	108.57	871	12413		
1	12	108.57	1018	14149		
1	13	108.57	1142	15605		
1	14	108.57	1244	16803		
1	15	108.57	1328	17774		
1	16	108.57	1397	18574		
1	17	108.57	1453	19207		
1	18	108.57	1495	19671		
1	19	108.57	1523	19969		
1	20	108.57	1537	20111		
1	21	108.57	1539	20108		
1	22	108.57	1530	19976		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	23	108.57	1512	19730		
1	24	108.57	1485	19388		
1	25	108.57	1450	18963		
1	26	108.57	1411	18473		
1	27	108.57	1366	17931		
1	28	108.57	1319	17350		
1	29	108.57	1269	16742		
1	30	108.57	1218	16119		
1	31	108.57	1167	15489		
1	32	108.57	1116	14862		
1	33	108.57	1066	14242		
1	34	108.57	1017	13636		
1	35	108.57	969	13044		
1	36	108.57	922	12466		
1	37	108.57	877	11900		
1	38	108.57	832	11350		
1	39	108.57	790	10817		
1	40	108.57	748	10303		
1	41	108.57	709	9809		
1	42	108.57	671	9337		
1	43	108.57	635	8886		
1	44	108.57	601	8457		
1	45	108.57	569	8049		
1	46	108.57	539	7664		
1	47	108.57	510	7300		
1	48	108.57	483	6956		
1	49	108.57	458	6633		
1	50	108.57	434	6330		
1	51	108.57	412	6045		
1	52	108.57	392	5778		
1	53	108.57	373	5528		
1	54	108.57	355	5294		
1	55	108.57	339	5076		
1	56	108.57	338	5041		
1	57	108.57	337	5012		
1	58	108.57	335	4971		
1	59	108.57	333	4919		
1	60	108.57	330	4857		
1	61	108.57	326	4785		
1	62	108.57	321	4705		
1	63	108.57	315	4617		
1	64	108.57	309	4522		
1	65	108.57	303	4421		
1	66	108.57	296	4315		
1	67	108.57	288	4203		
1	68	108.57	280	4088		
1	69	108.57	272	3969		
1	70	108.57	264	3847		
1	71	108.57	255	3723		
1	72	108.57	247	3596		
1	73	108.57	238	3468		
1	74	108.57	229	3339		
1	75	108.57	220	3208		
1	76	108.57	211	3077		
1	77	108.57	202	2946		
1	78	108.57	192	2814		
1	79	108.57	183	2683		
1	80	108.57	174	2551		
1	81	108.57	165	2420		
1	82	108.57	156	2290		
1	83	108.57	147	2160		
1	84	108.57	138	2032		
1	85	108.57	129	1904		
1	86	108.57	121	1776		
1	87	108.57	112	1650		
1	88	108.57	103	1525		
1	89	108.57	95	1401		
1	90	108.57	86	1278		
1	91	108.57	78	1157		
1	92	108.57	70	1036		
1	93	108.57	62	916		
1	94	108.57	54	798		
1	95	108.57	46	681		
1	96	108.57	38	564		
1	97	108.57	30	449		
1	98	108.57	22	335		
1	99	108.57	15	222		
1	100	108.57	7	111		
1	101	108.57	0	0		
2	1	106.44	4833	60198		
2	2	106.44	4112	52149		
2	3	106.44	3488	45075		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	4	106.44	2973	39126		
2	5	106.44	2564	34320		
2	6	106.44	2226	30314		
2	7	106.44	1925	26733		
2	8	106.44	1657	23549		
2	9	106.44	1420	20737		
2	10	106.44	1272	18984		
2	11	106.44	1455	21165		
2	12	106.44	1612	23042		
2	13	106.44	1746	24639		
2	14	106.44	1858	25976		
2	15	106.44	1951	27077		
2	16	106.44	2025	27962		
2	17	106.44	2082	28652		
2	18	106.44	2125	29166		
2	19	106.44	2155	29523		
2	20	106.44	2172	29739		
2	21	106.44	2180	29832		
2	22	106.44	2178	29817		
2	23	106.44	2169	29708		
2	24	106.44	2152	29519		
2	25	106.44	2130	29263		
2	26	106.44	2104	28950		
2	27	106.44	2073	28590		
2	28	106.44	2039	28194		
2	29	106.44	2003	27771		
2	30	106.44	1965	27326		
2	31	106.44	1926	26869		
2	32	106.44	1887	26403		
2	33	106.44	1847	25936		
2	34	106.44	1808	25472		
2	35	106.44	1769	25014		
2	36	106.44	1731	24567		
2	37	106.44	1694	24133		
2	38	106.44	1658	23714		
2	39	106.44	1624	23313		
2	40	106.44	1592	22931		
2	41	106.44	1561	22569		
2	42	106.44	1532	22228		
2	43	106.44	1504	21909		
2	44	106.44	1479	21612		
2	45	106.44	1455	21337		
2	46	106.44	1434	21083		
2	47	106.44	1414	20851		
2	48	106.44	1396	20640		
2	49	106.44	1379	20450		
2	50	106.44	1364	20279		
2	51	106.44	1351	20127		
2	52	106.44	1340	19993		
2	53	106.44	1329	19876		
2	54	106.44	1320	19775		
2	55	106.44	1313	19689		
2	56	106.44	1321	19789		
2	57	106.44	1329	19894		
2	58	106.44	1337	19987		
2	59	106.44	1343	20068		
2	60	106.44	1349	20139		
2	61	106.44	1353	20201		
2	62	106.44	1357	20255		
2	63	106.44	1361	20300		
2	64	106.44	1364	20339		
2	65	106.44	1366	20371		
2	66	106.44	1368	20399		
2	67	106.44	1369	20421		
2	68	106.44	1371	20439		
2	69	106.44	1371	20454		
2	70	106.44	1372	20465		
2	71	106.44	1372	20474		
2	72	106.44	1372	20481		
2	73	106.44	1372	20486		
2	74	106.44	1372	20490		
2	75	106.44	1372	20493		
2	76	106.44	1372	20495		
2	77	106.44	1372	20497		
2	78	106.44	1372	20499		
2	79	106.44	1371	20501		
2	80	106.44	1371	20503		
2	81	106.44	1371	20505		
2	82	106.44	1371	20508		
2	83	106.44	1371	20512		
2	84	106.44	1371	20517		
2	85	106.44	1371	20522		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
2	86	106.44	1371	20528		
2	87	106.44	1371	20536		
2	88	106.44	1371	20544		
2	89	106.44	1372	20553		
2	90	106.44	1372	20564		
2	91	106.44	1373	20576		
2	92	106.44	1373	20588		
2	93	106.44	1374	20602		
2	94	106.44	1375	20617		
2	95	106.44	1376	20633		
2	96	106.44	1377	20651		
2	97	106.44	1378	20669		
2	98	106.44	1379	20688		
2	99	106.44	1381	20709		
2	100	106.44	1382	20731		
2	101	106.44	1384	20754		

Combinazioni SLEF

Paramento

Tensione massima di compressione nel calcestruzzo 33200 [kPa]
Tensione massima di trazione dell'acciaio 450000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_{fi} [kPa]	σ_{fs} [kPa]
1	100	30	18.10	22.62	0.00	0.00	0 (6)	0 (6)	0 (6)
2	100	31	18.10	22.62	0.03	0.74	4 (6)	17 (6)	44 (6)
3	100	31	18.10	22.62	0.12	1.51	11 (6)	0 (1)	115 (6)
4	100	32	18.10	22.62	0.28	2.29	24 (6)	128 (6)	217 (6)
5	100	33	18.10	22.62	0.51	3.09	42 (6)	381 (6)	343 (6)
6	100	34	18.10	22.62	0.81	3.90	64 (6)	758 (6)	492 (6)
7	100	34	18.10	22.62	1.20	4.74	90 (6)	1254 (6)	664 (6)
8	100	35	18.10	22.62	1.67	5.59	120 (6)	1866 (6)	858 (6)
9	100	36	18.10	22.62	2.23	6.46	154 (6)	2593 (6)	1076 (6)
10	100	37	18.10	22.62	2.89	7.35	191 (6)	3433 (6)	1318 (6)
11	100	37	18.10	22.62	3.65	8.26	230 (6)	4385 (6)	1583 (6)
12	100	38	18.10	22.62	4.51	9.18	273 (6)	5447 (6)	1873 (6)
13	100	39	18.10	22.62	5.48	10.12	319 (6)	6618 (6)	2186 (6)
14	100	40	18.10	22.62	6.56	11.08	367 (6)	7897 (6)	2522 (6)
15	100	40	18.10	22.62	7.76	12.06	418 (6)	9283 (6)	2882 (6)
16	100	41	18.10	22.62	9.09	13.06	471 (6)	10776 (6)	3265 (6)
17	100	42	18.10	22.62	10.54	14.07	526 (6)	12374 (6)	3671 (6)
18	100	42	18.10	22.62	12.13	15.11	584 (6)	14077 (6)	4101 (6)
19	100	43	18.10	22.62	13.85	16.16	644 (6)	15884 (6)	4553 (6)
20	100	44	18.10	22.62	15.71	17.22	706 (6)	17795 (6)	5027 (6)
21	100	45	18.10	22.62	17.72	18.31	770 (6)	19809 (6)	5523 (6)
22	100	45	18.10	22.62	19.89	19.42	836 (6)	21926 (6)	6042 (6)
23	100	46	18.10	22.62	22.21	20.54	903 (6)	24145 (6)	6582 (6)
24	100	47	18.10	22.62	24.69	21.68	973 (6)	26465 (6)	7144 (6)
25	100	48	18.10	22.62	27.33	22.84	1044 (6)	28887 (6)	7727 (6)
26	100	48	18.10	22.62	30.15	24.01	1117 (6)	31410 (6)	8331 (6)
27	100	49	18.10	22.62	33.14	25.21	1192 (6)	34033 (6)	8956 (6)
28	100	50	18.10	22.62	36.31	26.42	1268 (6)	36756 (6)	9602 (6)
29	100	51	18.10	22.62	39.66	27.65	1346 (6)	39580 (6)	10268 (6)
30	100	51	18.10	22.62	43.20	28.90	1426 (6)	42502 (6)	10954 (6)
31	100	52	18.10	22.62	46.94	30.17	1507 (6)	45525 (6)	11659 (6)
32	100	53	18.10	22.62	50.87	31.45	1589 (6)	48646 (6)	12385 (6)
33	100	53	18.10	22.62	55.01	32.75	1673 (6)	51866 (6)	13130 (6)
34	100	54	18.10	22.62	59.36	34.08	1759 (6)	55185 (6)	13894 (6)
35	100	55	18.10	22.62	63.92	35.41	1845 (6)	58602 (6)	14677 (6)
36	100	56	18.10	22.62	68.69	36.77	1934 (6)	62118 (6)	15478 (6)
37	100	56	18.10	22.62	73.69	38.15	2023 (6)	65731 (6)	16299 (6)
38	100	57	18.10	22.62	78.91	39.54	2114 (6)	69443 (6)	17138 (6)
39	100	58	18.10	22.62	84.37	40.95	2206 (6)	73252 (6)	17995 (6)
40	100	59	18.10	22.62	90.06	42.38	2300 (6)	77159 (6)	18870 (6)
41	100	59	18.10	22.62	95.99	43.82	2395 (6)	81163 (6)	19762 (6)
42	100	60	18.10	22.62	102.17	45.29	2496 (6)	85403 (6)	20703 (6)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 1920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	ofi [kPa]	ofs [kPa]
1-1-P	55	90	18.10	18.10	0.02	-0.20	3 (5)	83 (5)	135 (5)
1-2-P	55	90	18.10	18.10	0.01	-0.22	3 (5)	43 (5)	151 (5)
1-3-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-4-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	169 (5)
1-5-P	55	90	18.10	18.10	0.00	-0.24	4 (5)	47 (5)	167 (5)
1-6-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	169 (5)
1-7-P	55	90	18.10	18.10	0.01	-0.25	4 (5)	48 (5)	171 (5)
1-8-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	178 (5)
1-9-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	55 (5)	194 (5)
1-10-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-11-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	58 (5)	205 (5)
1-12-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-13-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-14-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-15-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-16-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-17-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-18-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-19-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-20-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-21-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-22-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-23-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-24-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-25-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-26-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-27-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-28-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-29-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-30-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-31-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-32-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-33-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-34-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-35-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-36-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-37-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-38-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-39-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-40-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-41-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-42-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-43-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-44-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-45-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-46-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-47-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-48-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-49-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-50-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-51-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-52-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-53-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-54-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-55-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-56-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-57-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-58-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-59-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-60-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-61-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-62-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-63-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-64-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-65-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-66-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	189 (5)
1-67-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-68-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	199 (5)
1-69-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	53 (5)	188 (5)
1-70-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-71-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-72-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-73-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	187 (5)
1-74-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	196 (5)
1-75-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	197 (5)
1-76-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	52 (5)	185 (5)
1-77-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	170 (5)
1-78-P	55	90	18.10	18.10	0.01	-0.23	3 (5)	44 (5)	157 (5)
1-79-P	55	90	18.10	18.10	0.03	-0.21	3 (5)	89 (5)	145 (5)
1-80-P	55	90	18.10	18.10	0.02	-0.21	3 (5)	84 (5)	146 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-81-P	55	90	18.10	18.10	0.02	-0.22	3 (5)	82 (5)	147 (5)
3-1-P	84	90	22.62	22.62	0.89	-13.87	151 (8)	1928 (8)	7547 (8)
3-2-P	84	90	22.62	22.62	0.00	-16.65	181 (8)	2315 (8)	9061 (8)
3-3-P	84	90	22.62	22.62	0.00	-20.33	221 (8)	2825 (8)	11060 (8)
3-4-P	84	90	22.62	22.62	0.00	-23.33	254 (8)	3242 (8)	12693 (8)
3-5-P	84	90	22.62	22.62	0.00	-26.33	287 (8)	3660 (8)	14327 (8)
3-6-P	84	90	22.62	22.62	0.00	-27.51	300 (8)	3824 (8)	14970 (8)
3-7-P	84	90	22.62	22.62	0.00	-28.69	313 (8)	3988 (8)	15613 (8)
3-8-P	84	90	22.62	22.62	0.00	-29.59	322 (8)	4112 (8)	16099 (8)
3-9-P	84	90	22.62	22.62	0.00	-30.29	330 (8)	4210 (8)	16481 (8)
3-10-P	84	90	22.62	22.62	0.00	-30.93	337 (8)	4299 (8)	16830 (8)
3-11-P	84	90	22.62	22.62	0.00	-31.34	341 (8)	4356 (8)	17055 (8)
3-12-P	84	90	22.62	22.62	0.00	-31.75	346 (8)	4414 (8)	17279 (8)
3-13-P	84	90	22.62	22.62	0.00	-31.97	348 (8)	4443 (8)	17395 (8)
3-14-P	84	90	22.62	22.62	0.00	-32.13	350 (8)	4466 (8)	17484 (8)
3-15-P	84	90	22.62	22.62	0.00	-32.32	352 (8)	4492 (8)	17584 (8)
3-16-P	84	90	22.62	22.62	0.00	-32.53	354 (8)	4522 (8)	17702 (8)
3-17-P	84	90	22.62	22.62	0.00	-32.75	357 (8)	4552 (8)	17820 (8)
3-18-P	84	90	22.62	22.62	0.00	-33.31	363 (8)	4629 (8)	18123 (8)
3-19-P	84	90	22.62	22.62	0.00	-33.86	369 (8)	4707 (8)	18426 (8)
3-20-P	84	90	22.62	22.62	0.00	-34.43	375 (8)	4785 (8)	18733 (8)
3-21-P	84	90	22.62	22.62	0.00	-35.00	381 (8)	4865 (8)	19044 (8)
3-22-P	84	90	22.62	22.62	0.00	-35.50	387 (8)	4935 (8)	19319 (8)
3-23-P	84	90	22.62	22.62	0.00	-35.75	389 (8)	4969 (8)	19451 (8)
3-24-P	84	90	22.62	22.62	0.00	-35.99	392 (8)	5002 (8)	19583 (8)
3-25-P	84	90	22.62	22.62	0.00	-35.98	392 (8)	5000 (8)	19575 (8)
3-26-P	84	90	22.62	22.62	0.00	-35.90	391 (8)	4989 (8)	19532 (8)
3-27-P	84	90	22.62	22.62	0.00	-35.83	390 (8)	4980 (8)	19495 (8)
3-28-P	84	90	22.62	22.62	0.00	-35.78	390 (8)	4973 (8)	19467 (8)
3-29-P	84	90	22.62	22.62	0.00	-35.72	389 (8)	4965 (8)	19439 (8)
3-30-P	84	90	22.62	22.62	0.00	-36.02	392 (8)	5007 (8)	19602 (8)
3-31-P	84	90	22.62	22.62	0.00	-36.32	396 (8)	5049 (8)	19765 (8)
3-32-P	84	90	22.62	22.62	0.00	-36.65	399 (8)	5094 (8)	19942 (8)
3-33-P	84	90	22.62	22.62	0.00	-36.99	403 (8)	5141 (8)	20128 (8)
3-34-P	84	90	22.62	22.62	0.00	-37.27	406 (8)	5181 (8)	20282 (8)
3-35-P	84	90	22.62	22.62	0.00	-37.32	407 (8)	5188 (8)	20309 (8)
3-36-P	84	90	22.62	22.62	0.00	-37.37	407 (8)	5194 (8)	20335 (8)
3-37-P	84	90	22.62	22.62	0.00	-37.19	405 (8)	5169 (8)	20236 (8)
3-38-P	84	90	22.62	22.62	0.00	-36.95	402 (8)	5136 (8)	20105 (8)
3-39-P	84	90	22.62	22.62	0.00	-36.73	400 (8)	5105 (8)	19986 (8)
3-40-P	84	90	22.62	22.62	0.00	-36.54	398 (8)	5079 (8)	19885 (8)
3-41-P	84	90	22.62	22.62	0.00	-36.36	396 (8)	5054 (8)	19784 (8)
3-42-P	84	90	22.62	22.62	0.00	-36.54	398 (8)	5079 (8)	19885 (8)
3-43-P	84	90	22.62	22.62	0.00	-36.73	400 (8)	5105 (8)	19986 (8)
3-44-P	84	90	22.62	22.62	0.00	-36.95	402 (8)	5136 (8)	20105 (8)
3-45-P	84	90	22.62	22.62	0.00	-37.19	405 (8)	5169 (8)	20236 (8)
3-46-P	84	90	22.62	22.62	0.00	-37.37	407 (8)	5194 (8)	20335 (8)
3-47-P	84	90	22.62	22.62	0.00	-37.32	407 (8)	5188 (8)	20309 (8)
3-48-P	84	90	22.62	22.62	0.00	-37.27	406 (8)	5181 (8)	20282 (8)
3-49-P	84	90	22.62	22.62	0.00	-36.99	403 (8)	5141 (8)	20128 (8)
3-50-P	84	90	22.62	22.62	0.00	-36.65	399 (8)	5094 (8)	19942 (8)
3-51-P	84	90	22.62	22.62	0.00	-36.32	396 (8)	5049 (8)	19765 (8)
3-52-P	84	90	22.62	22.62	0.00	-36.02	392 (8)	5007 (8)	19602 (8)
3-53-P	84	90	22.62	22.62	0.00	-35.72	389 (8)	4965 (8)	19439 (8)
3-54-P	84	90	22.62	22.62	0.00	-35.78	390 (8)	4973 (8)	19467 (8)
3-55-P	84	90	22.62	22.62	0.00	-35.83	390 (8)	4980 (8)	19495 (8)
3-56-P	84	90	22.62	22.62	0.00	-35.90	391 (8)	4989 (8)	19532 (8)
3-57-P	84	90	22.62	22.62	0.00	-35.98	392 (8)	5000 (8)	19575 (8)
3-58-P	84	90	22.62	22.62	0.00	-35.99	392 (8)	5002 (8)	19583 (8)
3-59-P	84	90	22.62	22.62	0.00	-35.75	389 (8)	4969 (8)	19451 (8)
3-60-P	84	90	22.62	22.62	0.00	-35.50	387 (8)	4935 (8)	19319 (8)
3-61-P	84	90	22.62	22.62	0.00	-35.00	381 (8)	4865 (8)	19044 (8)
3-62-P	84	90	22.62	22.62	0.00	-34.43	375 (8)	4785 (8)	18733 (8)
3-63-P	84	90	22.62	22.62	0.00	-33.86	369 (8)	4707 (8)	18426 (8)
3-64-P	84	90	22.62	22.62	0.00	-33.31	363 (8)	4629 (8)	18123 (8)
3-65-P	84	90	22.62	22.62	0.00	-32.75	357 (8)	4552 (8)	17820 (8)
3-66-P	84	90	22.62	22.62	0.00	-32.53	354 (8)	4522 (8)	17702 (8)
3-67-P	84	90	22.62	22.62	0.00	-32.32	352 (8)	4492 (8)	17584 (8)
3-68-P	84	90	22.62	22.62	0.00	-32.13	350 (8)	4466 (8)	17484 (8)
3-69-P	84	90	22.62	22.62	0.00	-31.97	348 (8)	4443 (8)	17395 (8)
3-70-P	84	90	22.62	22.62	0.00	-31.75	346 (8)	4414 (8)	17279 (8)
3-71-P	84	90	22.62	22.62	0.00	-31.34	341 (8)	4356 (8)	17055 (8)
3-72-P	84	90	22.62	22.62	0.00	-30.93	337 (8)	4299 (8)	16830 (8)
3-73-P	84	90	22.62	22.62	0.00	-30.29	330 (8)	4210 (8)	16481 (8)
3-74-P	84	90	22.62	22.62	0.00	-29.59	322 (8)	4112 (8)	16099 (8)
3-75-P	84	90	22.62	22.62	0.00	-28.69	313 (8)	3988 (8)	15613 (8)
3-76-P	84	90	22.62	22.62	0.00	-27.51	300 (8)	3824 (8)	14970 (8)
3-77-P	84	90	22.62	22.62	0.00	-26.33	287 (8)	3660 (8)	14327 (8)
3-78-P	84	90	22.62	22.62	0.00	-23.33	254 (8)	3242 (8)	12693 (8)
3-79-P	84	90	22.62	22.62	0.00	-20.33	221 (8)	2825 (8)	11060 (8)
3-80-P	84	90	22.62	22.62	0.00	-16.65	181 (8)	2315 (8)	9061 (8)
3-81-P	84	90	22.62	22.62	0.89	-13.87	151 (8)	1928 (8)	7547 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-1-P	84	90	18.10	18.10	1.12	-2.94	36 (8)	757 (8)	1990 (8)
4-2-P	84	90	18.10	18.10	1.54	-0.60	6 (5)	332 (5)	306 (5)
4-3-P	84	90	18.10	18.10	3.36	-0.23	31 (5)	1711 (5)	856 (5)
4-4-P	84	90	18.10	18.10	5.12	-0.46	73 (8)	4050 (8)	1651 (8)
4-5-P	84	90	18.10	18.10	8.25	-0.74	118 (8)	6522 (8)	2095 (8)
4-6-P	84	90	18.10	18.10	7.21	-1.09	103 (8)	5702 (8)	2214 (8)
4-7-P	84	90	18.10	18.10	16.71	0.00	90 (5)	5017 (5)	2550 (5)
4-8-P	84	90	18.10	18.10	19.48	0.00	89 (5)	4950 (5)	2683 (5)
4-9-P	84	90	18.10	18.10	22.32	0.00	85 (5)	4715 (5)	3049 (5)
4-10-P	84	90	18.10	18.10	24.61	0.00	86 (5)	4764 (5)	3259 (5)
4-11-P	84	90	18.10	18.10	24.79	0.00	84 (5)	4683 (5)	3072 (5)
4-12-P	84	90	18.10	18.10	24.96	0.00	89 (5)	4931 (5)	3206 (5)
4-13-P	84	90	18.10	18.10	23.31	0.00	94 (5)	5217 (5)	3110 (5)
4-14-P	84	90	18.10	18.10	21.21	0.00	102 (5)	5636 (5)	3004 (5)
4-15-P	84	90	18.10	18.10	19.73	0.00	111 (5)	6167 (5)	2712 (5)
4-16-P	84	90	18.10	18.10	19.18	0.00	139 (5)	7707 (5)	2563 (5)
4-17-P	84	90	18.10	18.10	18.63	0.00	167 (5)	9257 (5)	2783 (5)
4-18-P	84	90	18.10	18.10	8.38	-1.68	134 (8)	7451 (8)	2995 (8)
4-19-P	84	90	18.10	18.10	6.46	-2.11	111 (8)	6131 (8)	3008 (8)
4-20-P	84	90	18.10	18.10	5.27	-2.55	90 (8)	5002 (8)	3296 (8)
4-21-P	84	90	18.10	18.10	4.51	-2.93	83 (8)	4584 (8)	3475 (8)
4-22-P	84	90	18.10	18.10	3.88	-3.27	83 (8)	4600 (8)	3873 (8)
4-23-P	84	90	18.10	18.10	3.64	-3.28	78 (8)	4322 (8)	3892 (8)
4-24-P	84	90	18.10	18.10	3.46	-3.35	81 (8)	4481 (8)	4337 (8)
4-25-P	84	90	18.10	18.10	3.68	-3.10	86 (8)	4762 (8)	4408 (8)
4-26-P	84	90	18.10	18.10	4.05	-2.81	87 (8)	4802 (8)	4004 (8)
4-27-P	84	90	18.10	18.10	4.91	-2.53	97 (8)	5378 (8)	3999 (8)
4-28-P	84	90	18.10	18.10	6.55	-2.28	129 (8)	7175 (8)	4059 (8)
4-29-P	84	90	18.10	18.10	8.27	-2.11	152 (8)	8404 (8)	3748 (8)
4-30-P	84	90	18.10	18.10	6.40	-2.43	117 (8)	6504 (8)	3847 (8)
4-31-P	84	90	18.10	18.10	4.65	-2.88	92 (8)	5093 (8)	3729 (8)
4-32-P	84	90	18.10	18.10	3.66	-3.35	78 (8)	4344 (8)	3971 (8)
4-33-P	84	90	18.10	18.10	3.11	-3.77	81 (8)	4030 (8)	4466 (8)
4-34-P	84	90	18.10	18.10	2.70	-4.13	88 (8)	3837 (8)	4900 (8)
4-35-P	84	90	18.10	18.10	2.63	-4.13	88 (8)	3744 (8)	4903 (8)
4-36-P	84	90	18.10	18.10	2.61	-4.18	89 (8)	3710 (8)	4954 (8)
4-37-P	84	90	18.10	18.10	2.93	-3.85	82 (8)	3787 (8)	4566 (8)
4-38-P	84	90	18.10	18.10	3.37	-3.47	74 (8)	3997 (8)	4111 (8)
4-39-P	84	90	18.10	18.10	4.25	-3.03	84 (8)	4657 (8)	3925 (8)
4-40-P	84	90	18.10	18.10	5.92	-2.65	117 (8)	6480 (8)	4193 (8)
4-41-P	84	90	18.10	18.10	7.67	-2.35	141 (8)	7795 (8)	4184 (8)
4-42-P	84	90	18.10	18.10	5.92	-2.65	117 (8)	6480 (8)	4193 (8)
4-43-P	84	90	18.10	18.10	4.25	-3.03	84 (8)	4657 (8)	3925 (8)
4-44-P	84	90	18.10	18.10	3.37	-3.47	74 (8)	3997 (8)	4111 (8)
4-45-P	84	90	18.10	18.10	2.93	-3.85	82 (8)	3787 (8)	4566 (8)
4-46-P	84	90	18.10	18.10	2.61	-4.18	89 (8)	3710 (8)	4954 (8)
4-47-P	84	90	18.10	18.10	2.63	-4.13	88 (8)	3744 (8)	4903 (8)
4-48-P	84	90	18.10	18.10	2.70	-4.13	88 (8)	3837 (8)	4900 (8)
4-49-P	84	90	18.10	18.10	3.11	-3.77	81 (8)	4030 (8)	4466 (8)
4-50-P	84	90	18.10	18.10	3.66	-3.35	78 (8)	4344 (8)	3971 (8)
4-51-P	84	90	18.10	18.10	4.65	-2.88	92 (8)	5093 (8)	3729 (8)
4-52-P	84	90	18.10	18.10	6.40	-2.43	117 (8)	6504 (8)	3847 (8)
4-53-P	84	90	18.10	18.10	8.27	-2.11	152 (8)	8404 (8)	3748 (8)
4-54-P	84	90	18.10	18.10	6.55	-2.28	129 (8)	7175 (8)	4059 (8)
4-55-P	84	90	18.10	18.10	4.91	-2.53	97 (8)	5378 (8)	3999 (8)
4-56-P	84	90	18.10	18.10	4.05	-2.81	87 (8)	4802 (8)	4004 (8)
4-57-P	84	90	18.10	18.10	3.68	-3.10	86 (8)	4762 (8)	4408 (8)
4-58-P	84	90	18.10	18.10	3.46	-3.35	81 (8)	4481 (8)	4337 (8)
4-59-P	84	90	18.10	18.10	3.64	-3.28	78 (8)	4322 (8)	3892 (8)
4-60-P	84	90	18.10	18.10	3.88	-3.27	83 (8)	4600 (8)	3873 (8)
4-61-P	84	90	18.10	18.10	4.51	-2.93	83 (8)	4584 (8)	3475 (8)
4-62-P	84	90	18.10	18.10	5.27	-2.55	90 (8)	5002 (8)	3296 (8)
4-63-P	84	90	18.10	18.10	6.46	-2.11	111 (8)	6131 (8)	3008 (8)
4-64-P	84	90	18.10	18.10	8.38	-1.68	134 (8)	7451 (8)	2995 (8)
4-65-P	84	90	18.10	18.10	18.63	0.00	167 (5)	9257 (5)	2783 (5)
4-66-P	84	90	18.10	18.10	19.18	0.00	139 (5)	7707 (5)	2563 (5)
4-67-P	84	90	18.10	18.10	19.73	0.00	111 (5)	6167 (5)	2712 (5)
4-68-P	84	90	18.10	18.10	21.21	0.00	102 (5)	5636 (5)	3004 (5)
4-69-P	84	90	18.10	18.10	23.31	0.00	94 (5)	5217 (5)	3110 (5)
4-70-P	84	90	18.10	18.10	24.96	0.00	89 (5)	4931 (5)	3206 (5)
4-71-P	84	90	18.10	18.10	24.79	0.00	84 (5)	4683 (5)	3072 (5)
4-72-P	84	90	18.10	18.10	24.61	0.00	86 (5)	4764 (5)	3259 (5)
4-73-P	84	90	18.10	18.10	22.32	0.00	85 (5)	4715 (5)	3049 (5)
4-74-P	84	90	18.10	18.10	19.48	0.00	89 (5)	4950 (5)	2683 (5)
4-75-P	84	90	18.10	18.10	16.71	0.00	90 (5)	5017 (5)	2550 (5)
4-76-P	84	90	18.10	18.10	7.21	-1.09	103 (8)	5702 (8)	2214 (8)
4-77-P	84	90	18.10	18.10	8.25	-0.74	118 (8)	6522 (8)	2095 (8)
4-78-P	84	90	18.10	18.10	5.12	-0.46	73 (8)	4050 (8)	1651 (8)
4-79-P	84	90	18.10	18.10	3.36	-0.23	31 (5)	1711 (5)	856 (5)
4-80-P	84	90	18.10	18.10	1.54	-0.60	6 (5)	332 (5)	306 (5)
4-81-P	84	90	18.10	18.10	1.12	-2.94	36 (8)	757 (8)	1990 (8)
5-1-P	84	90	18.10	18.10	4.50	0.00	55 (8)	3048 (8)	691 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-2-P	84	90	18.10	18.10	2.31	-0.36	28 (8)	1566 (8)	739 (8)
5-3-P	84	90	18.10	18.10	5.73	-6.31	85 (8)	3884 (8)	4729 (8)
5-4-P	84	90	18.10	18.10	8.99	-4.42	162 (8)	6094 (8)	8984 (8)
5-5-P	84	90	18.10	18.10	18.00	-8.27	303 (8)	12200 (8)	16819 (8)
5-6-P	84	90	18.10	18.10	15.54	-4.49	190 (8)	10534 (8)	9126 (8)
5-7-P	84	90	18.10	18.10	16.48	-4.10	201 (8)	11169 (8)	5837 (8)
5-8-P	84	90	18.10	18.10	20.34	-0.33	220 (5)	12178 (5)	2761 (5)
5-9-P	84	90	18.10	18.10	30.37	0.00	251 (5)	13924 (5)	3157 (5)
5-10-P	84	90	18.10	18.10	38.77	0.00	299 (5)	16563 (5)	3755 (5)
5-11-P	84	90	18.10	18.10	39.38	0.00	303 (5)	16787 (5)	3806 (5)
5-12-P	84	90	18.10	18.10	39.99	0.00	307 (5)	17012 (5)	3857 (5)
5-13-P	84	90	18.10	18.10	33.24	0.00	272 (5)	15092 (5)	3422 (5)
5-14-P	84	90	18.10	18.10	24.65	0.00	228 (5)	12636 (5)	2865 (5)
5-15-P	84	90	18.10	18.10	17.24	-0.30	211 (8)	11684 (8)	2649 (8)
5-16-P	84	90	18.10	18.10	19.39	-1.32	237 (8)	13137 (8)	4698 (8)
5-17-P	84	90	18.10	18.10	24.30	-5.11	297 (8)	16470 (8)	14552 (8)
5-18-P	84	90	18.10	18.10	20.05	-2.38	245 (8)	13586 (8)	6783 (8)
5-19-P	84	90	18.10	18.10	18.11	-1.97	221 (8)	12271 (8)	4002 (8)
5-20-P	84	90	18.10	18.10	22.94	0.00	220 (5)	12204 (5)	2767 (5)
5-21-P	84	90	18.10	18.10	31.17	0.00	256 (5)	14181 (5)	3215 (5)
5-22-P	84	90	18.10	18.10	37.67	0.00	288 (5)	15977 (5)	3623 (5)
5-23-P	84	90	18.10	18.10	37.25	0.00	285 (5)	15789 (5)	3580 (5)
5-24-P	84	90	18.10	18.10	36.83	0.00	281 (5)	15602 (5)	3538 (5)
5-25-P	84	90	18.10	18.10	29.52	0.00	242 (5)	13441 (5)	3048 (5)
5-26-P	84	90	18.10	18.10	20.48	0.00	195 (5)	10787 (5)	2446 (5)
5-27-P	84	90	18.10	18.10	15.24	-1.23	186 (8)	10330 (8)	3506 (8)
5-28-P	84	90	18.10	18.10	17.29	-2.21	211 (8)	11718 (8)	6303 (8)
5-29-P	84	90	18.10	18.10	22.05	-5.91	270 (8)	14942 (8)	14008 (8)
5-30-P	84	90	18.10	18.10	17.31	-2.61	212 (8)	11729 (8)	7434 (8)
5-31-P	84	90	18.10	18.10	15.19	-1.95	186 (8)	10297 (8)	3957 (8)
5-32-P	84	90	18.10	18.10	18.81	0.00	186 (5)	10291 (5)	2333 (5)
5-33-P	84	90	18.10	18.10	27.28	0.00	224 (5)	12411 (5)	2814 (5)
5-34-P	84	90	18.10	18.10	34.04	0.00	258 (5)	14316 (5)	3246 (5)
5-35-P	84	90	18.10	18.10	33.91	0.00	257 (5)	14256 (5)	3232 (5)
5-36-P	84	90	18.10	18.10	33.78	0.00	256 (5)	14195 (5)	3219 (5)
5-37-P	84	90	18.10	18.10	26.76	0.00	219 (5)	12167 (5)	2759 (5)
5-38-P	84	90	18.10	18.10	18.02	0.00	178 (5)	9860 (5)	2236 (5)
5-39-P	84	90	18.10	18.10	14.37	-1.84	176 (8)	9736 (8)	3746 (8)
5-40-P	84	90	18.10	18.10	16.46	-2.67	201 (8)	11154 (8)	7614 (8)
5-41-P	84	90	18.10	18.10	21.29	-6.24	267 (8)	14425 (8)	14804 (8)
5-42-P	84	90	18.10	18.10	16.46	-2.67	201 (8)	11154 (8)	7614 (8)
5-43-P	84	90	18.10	18.10	14.37	-1.84	176 (8)	9736 (8)	3746 (8)
5-44-P	84	90	18.10	18.10	18.02	0.00	178 (5)	9860 (5)	2236 (5)
5-45-P	84	90	18.10	18.10	26.76	0.00	219 (5)	12167 (5)	2759 (5)
5-46-P	84	90	18.10	18.10	33.78	0.00	256 (5)	14195 (5)	3219 (5)
5-47-P	84	90	18.10	18.10	33.91	0.00	257 (5)	14256 (5)	3232 (5)
5-48-P	84	90	18.10	18.10	34.04	0.00	258 (5)	14316 (5)	3246 (5)
5-49-P	84	90	18.10	18.10	27.28	0.00	224 (5)	12411 (5)	2814 (5)
5-50-P	84	90	18.10	18.10	18.81	0.00	186 (5)	10291 (5)	2333 (5)
5-51-P	84	90	18.10	18.10	15.19	-1.95	186 (8)	10297 (8)	3957 (8)
5-52-P	84	90	18.10	18.10	17.31	-2.61	212 (8)	11729 (8)	7434 (8)
5-53-P	84	90	18.10	18.10	22.05	-5.91	270 (8)	14942 (8)	14008 (8)
5-54-P	84	90	18.10	18.10	17.29	-2.21	211 (8)	11718 (8)	6303 (8)
5-55-P	84	90	18.10	18.10	15.24	-1.23	186 (8)	10330 (8)	3506 (8)
5-56-P	84	90	18.10	18.10	20.48	0.00	195 (5)	10787 (5)	2446 (5)
5-57-P	84	90	18.10	18.10	29.52	0.00	242 (5)	13441 (5)	3048 (5)
5-58-P	84	90	18.10	18.10	36.83	0.00	281 (5)	15602 (5)	3538 (5)
5-59-P	84	90	18.10	18.10	37.25	0.00	285 (5)	15789 (5)	3580 (5)
5-60-P	84	90	18.10	18.10	37.67	0.00	288 (5)	15977 (5)	3623 (5)
5-61-P	84	90	18.10	18.10	31.17	0.00	256 (5)	14181 (5)	3215 (5)
5-62-P	84	90	18.10	18.10	22.94	0.00	220 (5)	12204 (5)	2767 (5)
5-63-P	84	90	18.10	18.10	18.11	-1.97	221 (8)	12271 (8)	4002 (8)
5-64-P	84	90	18.10	18.10	20.05	-2.38	245 (8)	13586 (8)	6783 (8)
5-65-P	84	90	18.10	18.10	24.30	-5.11	297 (8)	16470 (8)	14552 (8)
5-66-P	84	90	18.10	18.10	19.39	-1.32	237 (8)	13137 (8)	4698 (8)
5-67-P	84	90	18.10	18.10	17.24	-0.30	211 (8)	11684 (8)	2649 (8)
5-68-P	84	90	18.10	18.10	24.65	0.00	228 (5)	12636 (5)	2865 (5)
5-69-P	84	90	18.10	18.10	33.24	0.00	272 (5)	15092 (5)	3422 (5)
5-70-P	84	90	18.10	18.10	39.99	0.00	307 (5)	17012 (5)	3857 (5)
5-71-P	84	90	18.10	18.10	39.38	0.00	303 (5)	16787 (5)	3806 (5)
5-72-P	84	90	18.10	18.10	38.77	0.00	299 (5)	16563 (5)	3755 (5)
5-73-P	84	90	18.10	18.10	30.37	0.00	251 (5)	13924 (5)	3157 (5)
5-74-P	84	90	18.10	18.10	20.34	-0.33	220 (5)	12178 (5)	2761 (5)
5-75-P	84	90	18.10	18.10	16.48	-4.10	201 (8)	11169 (8)	5837 (8)
5-76-P	84	90	18.10	18.10	15.54	-4.49	190 (8)	10534 (8)	9126 (8)
5-77-P	84	90	18.10	18.10	18.00	-8.27	303 (8)	12200 (8)	16819 (8)
5-78-P	84	90	18.10	18.10	8.99	-4.42	162 (8)	6094 (8)	8984 (8)
5-79-P	84	90	18.10	18.10	5.73	-6.31	85 (8)	3884 (8)	4729 (8)
5-80-P	84	90	18.10	18.10	2.31	-0.36	28 (8)	1566 (8)	739 (8)
5-81-P	84	90	18.10	18.10	4.50	0.00	55 (8)	3048 (8)	691 (8)
6-1-P	84	90	22.62	22.62	1.53	-5.96	81 (8)	1036 (8)	4056 (8)
6-2-P	84	90	22.62	22.62	0.41	-11.01	84 (5)	1075 (5)	4207 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-3-P	84	90	22.62	22.62	6.43	-13.92	152 (8)	3498 (8)	7574 (8)
6-4-P	84	90	22.62	22.62	0.00	-50.64	372 (5)	4747 (5)	18585 (5)
6-5-P	84	90	22.62	22.62	0.00	-83.42	653 (5)	8337 (5)	32638 (5)
6-6-P	84	90	22.62	22.62	0.00	-46.18	350 (5)	4470 (5)	17498 (5)
6-7-P	84	90	22.62	22.62	13.89	-15.97	174 (8)	7561 (8)	8692 (8)
6-8-P	84	90	22.62	22.62	19.37	-4.68	211 (8)	10542 (8)	2693 (8)
6-9-P	84	90	22.62	22.62	29.04	0.00	254 (5)	12695 (5)	3243 (5)
6-10-P	84	90	22.62	22.62	40.80	0.00	331 (5)	16510 (5)	4217 (5)
6-11-P	84	90	22.62	22.62	41.66	0.00	336 (5)	16797 (5)	4291 (5)
6-12-P	84	90	22.62	22.62	42.52	0.00	342 (5)	17084 (5)	4364 (5)
6-13-P	84	90	22.62	22.62	32.55	0.00	276 (5)	13808 (5)	3527 (5)
6-14-P	84	90	22.62	22.62	19.88	0.00	193 (5)	9643 (5)	2463 (5)
6-15-P	84	90	22.62	22.62	8.45	-6.33	92 (8)	4596 (8)	3446 (8)
6-16-P	84	90	22.62	22.62	0.00	-36.33	278 (5)	3544 (5)	13874 (5)
6-17-P	84	90	22.62	22.62	0.00	-71.11	573 (5)	7306 (5)	28602 (5)
6-18-P	84	90	22.62	22.62	0.00	-36.85	290 (5)	3705 (5)	14505 (5)
6-19-P	84	90	22.62	22.62	12.54	-11.22	137 (8)	6823 (8)	6107 (8)
6-20-P	84	90	22.62	22.62	18.65	-0.15	195 (5)	9762 (5)	2494 (5)
6-21-P	84	90	22.62	22.62	30.96	0.00	262 (5)	13107 (5)	3348 (5)
6-22-P	84	90	22.62	22.62	40.83	0.00	327 (5)	16314 (5)	4167 (5)
6-23-P	84	90	22.62	22.62	40.37	0.00	323 (5)	16143 (5)	4123 (5)
6-24-P	84	90	22.62	22.62	39.90	0.00	320 (5)	15971 (5)	4080 (5)
6-25-P	84	90	22.62	22.62	29.14	0.00	249 (5)	12433 (5)	3176 (5)
6-26-P	84	90	22.62	22.62	15.81	0.00	165 (5)	8224 (5)	2101 (5)
6-27-P	84	90	22.62	22.62	9.14	-10.23	111 (8)	4974 (8)	5568 (8)
6-28-P	84	90	22.62	22.62	0.00	-41.10	315 (5)	4024 (5)	15753 (5)
6-29-P	84	90	22.62	22.62	0.00	-76.08	610 (5)	7783 (5)	30469 (5)
6-30-P	84	90	22.62	22.62	0.00	-41.76	322 (5)	4111 (5)	16094 (5)
6-31-P	84	90	22.62	22.62	10.00	-12.00	131 (8)	5442 (8)	6530 (8)
6-32-P	84	90	22.62	22.62	14.81	-1.37	161 (8)	8058 (8)	2058 (8)
6-33-P	84	90	22.62	22.62	26.51	0.00	229 (5)	11450 (5)	2925 (5)
6-34-P	84	90	22.62	22.62	36.62	0.00	295 (5)	14748 (5)	3767 (5)
6-35-P	84	90	22.62	22.62	36.46	0.00	294 (5)	14688 (5)	3752 (5)
6-36-P	84	90	22.62	22.62	36.30	0.00	293 (5)	14629 (5)	3737 (5)
6-37-P	84	90	22.62	22.62	25.87	0.00	224 (5)	11211 (5)	2864 (5)
6-38-P	84	90	22.62	22.62	13.94	-1.16	152 (8)	7585 (8)	1938 (8)
6-39-P	84	90	22.62	22.62	9.20	-12.09	132 (8)	5009 (8)	6578 (8)
6-40-P	84	90	22.62	22.62	0.00	-43.37	333 (5)	4248 (5)	16630 (5)
6-41-P	84	90	22.62	22.62	0.00	-78.02	624 (5)	7968 (5)	31195 (5)
6-42-P	84	90	22.62	22.62	0.00	-43.37	333 (5)	4248 (5)	16630 (5)
6-43-P	84	90	22.62	22.62	9.20	-12.09	132 (8)	5009 (8)	6578 (8)
6-44-P	84	90	22.62	22.62	13.94	-1.16	152 (8)	7585 (8)	1938 (8)
6-45-P	84	90	22.62	22.62	25.87	0.00	224 (5)	11211 (5)	2864 (5)
6-46-P	84	90	22.62	22.62	36.30	0.00	293 (5)	14629 (5)	3737 (5)
6-47-P	84	90	22.62	22.62	36.46	0.00	294 (5)	14688 (5)	3752 (5)
6-48-P	84	90	22.62	22.62	36.62	0.00	295 (5)	14748 (5)	3767 (5)
6-49-P	84	90	22.62	22.62	26.51	0.00	229 (5)	11450 (5)	2925 (5)
6-50-P	84	90	22.62	22.62	14.81	-1.37	161 (8)	8058 (8)	2058 (8)
6-51-P	84	90	22.62	22.62	10.00	-12.00	131 (8)	5442 (8)	6530 (8)
6-52-P	84	90	22.62	22.62	0.00	-41.76	322 (5)	4111 (5)	16094 (5)
6-53-P	84	90	22.62	22.62	0.00	-76.08	610 (5)	7783 (5)	30469 (5)
6-54-P	84	90	22.62	22.62	0.00	-41.10	315 (5)	4024 (5)	15753 (5)
6-55-P	84	90	22.62	22.62	9.14	-10.23	111 (8)	4974 (8)	5568 (8)
6-56-P	84	90	22.62	22.62	15.81	0.00	165 (5)	8224 (5)	2101 (5)
6-57-P	84	90	22.62	22.62	29.14	0.00	249 (5)	12433 (5)	3176 (5)
6-58-P	84	90	22.62	22.62	39.90	0.00	320 (5)	15971 (5)	4080 (5)
6-59-P	84	90	22.62	22.62	40.37	0.00	323 (5)	16143 (5)	4123 (5)
6-60-P	84	90	22.62	22.62	40.83	0.00	327 (5)	16314 (5)	4167 (5)
6-61-P	84	90	22.62	22.62	30.96	0.00	262 (5)	13107 (5)	3348 (5)
6-62-P	84	90	22.62	22.62	18.65	-0.15	195 (5)	9762 (5)	2494 (5)
6-63-P	84	90	22.62	22.62	12.54	-11.22	137 (8)	6823 (8)	6107 (8)
6-64-P	84	90	22.62	22.62	0.00	-36.85	290 (5)	3705 (5)	14505 (5)
6-65-P	84	90	22.62	22.62	0.00	-71.11	573 (5)	7306 (5)	28602 (5)
6-66-P	84	90	22.62	22.62	0.00	-36.33	278 (5)	3544 (5)	13874 (5)
6-67-P	84	90	22.62	22.62	8.45	-6.33	92 (8)	4596 (8)	3446 (8)
6-68-P	84	90	22.62	22.62	19.88	0.00	193 (5)	9643 (5)	2463 (5)
6-69-P	84	90	22.62	22.62	32.55	0.00	276 (5)	13808 (5)	3527 (5)
6-70-P	84	90	22.62	22.62	42.52	0.00	342 (5)	17084 (5)	4364 (5)
6-71-P	84	90	22.62	22.62	41.66	0.00	336 (5)	16797 (5)	4291 (5)
6-72-P	84	90	22.62	22.62	40.80	0.00	331 (5)	16510 (5)	4217 (5)
6-73-P	84	90	22.62	22.62	29.04	0.00	254 (5)	12695 (5)	3243 (5)
6-74-P	84	90	22.62	22.62	19.37	-4.68	211 (8)	10542 (8)	2693 (8)
6-75-P	84	90	22.62	22.62	13.89	-15.97	174 (8)	7561 (8)	8692 (8)
6-76-P	84	90	22.62	22.62	0.00	-46.18	350 (5)	4470 (5)	17498 (5)
6-77-P	84	90	22.62	22.62	0.00	-83.42	653 (5)	8337 (5)	32638 (5)
6-78-P	84	90	22.62	22.62	0.00	-50.64	372 (5)	4747 (5)	18585 (5)
6-79-P	84	90	22.62	22.62	6.43	-13.92	152 (8)	3498 (8)	7574 (8)
6-80-P	84	90	22.62	22.62	0.41	-11.01	84 (5)	1075 (5)	4207 (5)
6-81-P	84	90	22.62	22.62	1.53	-5.96	81 (8)	1036 (8)	4056 (8)
7-1-S	100	90	22.62	22.62	0.08	-0.01	1 (5)	44 (5)	21 (5)
7-2-S	100	90	22.62	22.62	0.00	-1.03	10 (5)	130 (5)	558 (5)
7-3-S	100	90	22.62	22.62	0.00	-2.13	21 (5)	269 (5)	1158 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
7-4-S	100	90	22.62	22.62	0.00	-3.25	32 (5)	409 (5)	1761 (5)
7-5-S	100	90	22.62	22.62	0.00	-197.75	1977 (8)	24937 (8)	107292 (8)
7-6-S	100	90	22.62	22.62	0.00	-142.90	1429 (8)	18021 (8)	77535 (8)
7-7-S	100	90	22.62	22.62	0.00	-88.06	881 (8)	11105 (8)	47777 (8)
7-8-S	100	90	22.62	22.62	0.00	-45.09	451 (8)	5687 (8)	24466 (8)
7-9-S	100	90	22.62	22.62	88.53	0.00	42 (5)	532 (5)	2290 (5)
7-10-S	100	90	22.62	22.62	97.01	0.00	299 (5)	16211 (5)	3768 (5)
7-11-S	100	90	22.62	22.62	102.34	0.00	610 (5)	33109 (5)	7695 (5)
7-12-S	100	90	22.62	22.62	99.94	0.00	852 (5)	46251 (5)	10750 (5)
7-13-S	100	90	22.62	22.62	104.94	-0.01	1049 (8)	56935 (8)	13233 (8)
7-14-S	100	90	22.62	22.62	98.55	-0.08	985 (8)	53473 (8)	12428 (8)
7-15-S	100	90	22.62	22.62	64.00	-0.90	640 (8)	34724 (8)	8071 (8)
7-16-S	100	90	22.62	22.62	35.07	-6.78	433 (8)	23508 (8)	5464 (8)
7-17-S	100	90	22.62	22.62	19.27	-24.65	311 (8)	16890 (8)	13373 (8)
7-18-S	100	90	22.62	22.62	13.12	-21.57	219 (8)	11867 (8)	11705 (8)
7-19-S	100	90	22.62	22.62	6.86	-6.50	114 (8)	6204 (8)	4408 (8)
8-1-S	100	90	22.62	22.62	0.02	-0.01	0 (5)	12 (5)	11 (5)
8-2-S	100	90	22.62	22.62	0.00	-1.15	12 (5)	145 (5)	626 (5)
8-3-S	100	90	22.62	22.62	0.00	-2.32	23 (5)	293 (5)	1259 (5)
8-4-S	100	90	22.62	22.62	0.00	-3.49	35 (5)	440 (5)	1893 (5)
8-5-S	100	90	22.62	22.62	0.00	-205.18	2052 (8)	25875 (8)	111327 (8)
8-6-S	100	90	22.62	22.62	0.00	-151.23	1512 (8)	19071 (8)	82054 (8)
8-7-S	100	90	22.62	22.62	0.00	-97.28	973 (8)	12267 (8)	52780 (8)
8-8-S	100	90	22.62	22.62	0.00	-53.85	538 (8)	6790 (8)	29215 (8)
8-9-S	100	90	22.62	22.62	80.01	0.00	120 (5)	1516 (5)	6522 (5)
8-10-S	100	90	22.62	22.62	89.83	0.00	222 (5)	12068 (5)	2805 (5)
8-11-S	100	90	22.62	22.62	96.86	0.00	531 (5)	28796 (5)	6693 (5)
8-12-S	100	90	22.62	22.62	96.85	0.00	782 (5)	42459 (5)	9869 (5)
8-13-S	100	90	22.62	22.62	99.61	-0.04	996 (8)	54046 (8)	12562 (8)
8-14-S	100	90	22.62	22.62	94.47	-0.49	945 (8)	51259 (8)	11914 (8)
8-15-S	100	90	22.62	22.62	61.90	-3.29	619 (8)	33586 (8)	7806 (8)
8-16-S	100	90	22.62	22.62	35.94	-11.87	449 (8)	24375 (8)	6442 (8)
8-17-S	100	90	22.62	22.62	21.70	-30.50	381 (8)	19625 (8)	20684 (8)
8-18-S	100	90	22.62	22.62	14.39	-27.11	300 (8)	12617 (8)	16258 (8)
8-19-S	100	90	22.62	22.62	8.47	-11.08	141 (8)	7662 (8)	6010 (8)
9-1-S	100	90	22.62	22.62	0.00	-0.03	0 (5)	3 (5)	14 (5)
9-2-S	100	90	22.62	22.62	0.00	-1.14	11 (5)	144 (5)	619 (5)
9-3-S	100	90	22.62	22.62	0.00	-2.25	23 (5)	284 (5)	1223 (5)
9-4-S	100	90	22.62	22.62	0.00	-3.37	34 (5)	425 (5)	1828 (5)
9-5-S	100	90	22.62	22.62	0.00	-214.30	2143 (8)	27025 (8)	116272 (8)
9-6-S	100	90	22.62	22.62	0.00	-160.50	1605 (8)	20241 (8)	87084 (8)
9-7-S	100	90	22.62	22.62	0.00	-106.71	1067 (8)	13457 (8)	57896 (8)
9-8-S	100	90	22.62	22.62	0.00	-64.34	643 (8)	8114 (8)	34910 (8)
9-9-S	100	90	22.62	22.62	0.00	-23.71	237 (8)	2989 (8)	12862 (8)
9-10-S	100	90	22.62	22.62	74.38	0.00	66 (5)	3606 (5)	838 (5)
9-11-S	100	90	22.62	22.62	78.54	0.00	302 (5)	16373 (5)	3806 (5)
9-12-S	100	90	22.62	22.62	76.32	0.00	453 (5)	24600 (5)	5718 (5)
9-13-S	100	90	22.62	22.62	69.95	0.00	542 (5)	29403 (5)	6834 (5)
9-14-S	100	90	22.62	22.62	60.18	0.00	554 (5)	30073 (5)	6990 (5)
9-15-S	100	90	22.62	22.62	48.23	0.00	482 (8)	26170 (8)	6082 (8)
9-16-S	100	90	22.62	22.62	38.55	0.00	385 (8)	20916 (8)	4861 (8)
9-17-S	100	90	22.62	22.62	24.11	0.00	241 (8)	13080 (8)	3040 (8)
9-18-S	100	90	22.62	22.62	14.29	0.00	143 (8)	7756 (8)	1803 (8)
9-19-S	100	90	22.62	22.62	6.74	0.00	67 (8)	3659 (8)	851 (8)
10-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	8 (5)
10-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	623 (5)
10-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
10-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
10-5-S	100	90	22.62	22.62	0.00	-224.75	2247 (8)	28343 (8)	121943 (8)
10-6-S	100	90	22.62	22.62	0.00	-169.31	1693 (8)	21351 (8)	91862 (8)
10-7-S	100	90	22.62	22.62	0.00	-113.87	1139 (8)	14360 (8)	61782 (8)
10-8-S	100	90	22.62	22.62	0.00	-68.94	689 (8)	8694 (8)	37403 (8)
10-9-S	100	90	22.62	22.62	0.00	-25.59	256 (8)	3228 (8)	13887 (8)
10-10-S	100	90	22.62	22.62	76.49	0.00	99 (5)	5358 (5)	1245 (5)
10-11-S	100	90	22.62	22.62	86.48	0.00	425 (5)	23081 (5)	5365 (5)
10-12-S	100	90	22.62	22.62	88.68	0.00	689 (5)	37373 (5)	8686 (5)
10-13-S	100	90	22.62	22.62	91.07	0.00	911 (8)	49411 (8)	11484 (8)
10-14-S	100	90	22.62	22.62	87.13	0.00	871 (8)	47273 (8)	10988 (8)
10-15-S	100	90	22.62	22.62	54.28	-0.03	543 (8)	29449 (8)	6845 (8)
10-16-S	100	90	22.62	22.62	29.23	-7.22	365 (8)	19827 (8)	6530 (8)
10-17-S	100	90	22.62	22.62	18.72	-27.64	461 (8)	16928 (8)	24990 (8)
10-18-S	100	90	22.62	22.62	11.99	-24.41	427 (8)	11389 (8)	23177 (8)
10-19-S	100	90	22.62	22.62	5.61	-8.23	103 (8)	5073 (8)	5581 (8)
11-1-S	100	90	22.62	22.62	0.03	-0.01	0 (5)	17 (5)	4 (5)
11-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
11-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
11-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
11-5-S	100	90	22.62	22.62	0.00	-232.03	2320 (8)	29261 (8)	125892 (8)
11-6-S	100	90	22.62	22.62	0.00	-175.95	1759 (8)	22188 (8)	95465 (8)
11-7-S	100	90	22.62	22.62	0.00	-119.87	1199 (8)	15116 (8)	65037 (8)
11-8-S	100	90	22.62	22.62	0.00	-74.32	743 (8)	9372 (8)	40322 (8)
11-9-S	100	90	22.62	22.62	0.00	-30.36	304 (8)	3828 (8)	16470 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-10-S	100	90	22.62	22.62	70.84	0.00	74 (5)	4019 (5)	1532 (5)
11-11-S	100	90	22.62	22.62	81.82	0.00	390 (5)	21143 (5)	4914 (5)
11-12-S	100	90	22.62	22.62	84.92	0.00	659 (5)	35745 (5)	8308 (5)
11-13-S	100	90	22.62	22.62	88.63	0.00	886 (8)	48086 (8)	11177 (8)
11-14-S	100	90	22.62	22.62	85.30	-0.09	853 (8)	46283 (8)	10757 (8)
11-15-S	100	90	22.62	22.62	54.60	-1.77	546 (8)	29626 (8)	6886 (8)
11-16-S	100	90	22.62	22.62	31.47	-10.41	393 (8)	21345 (8)	7058 (8)
11-17-S	100	90	22.62	22.62	19.26	-28.72	359 (8)	17415 (8)	19476 (8)
11-18-S	100	90	22.62	22.62	12.62	-25.32	332 (8)	11063 (8)	18032 (8)
11-19-S	100	90	22.62	22.62	6.83	-9.54	114 (8)	6175 (8)	5178 (8)
12-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
12-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
12-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
12-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
12-5-S	100	90	22.62	22.62	0.00	-236.10	2361 (8)	29774 (8)	128101 (8)
12-6-S	100	90	22.62	22.62	0.00	-180.37	1804 (8)	22747 (8)	97866 (8)
12-7-S	100	90	22.62	22.62	0.00	-124.65	1246 (8)	15719 (8)	67631 (8)
12-8-S	100	90	22.62	22.62	0.00	-80.47	805 (8)	10148 (8)	43662 (8)
12-9-S	100	90	22.62	22.62	0.00	-38.04	380 (8)	4797 (8)	20640 (8)
12-10-S	100	90	22.62	22.62	57.82	0.00	74 (5)	937 (5)	4033 (5)
12-11-S	100	90	22.62	22.62	64.99	0.00	193 (5)	10499 (5)	2440 (5)
12-12-S	100	90	22.62	22.62	65.44	0.00	362 (5)	19645 (5)	4566 (5)
12-13-S	100	90	22.62	22.62	61.50	0.00	467 (5)	25346 (5)	5891 (5)
12-14-S	100	90	22.62	22.62	53.89	0.00	495 (5)	26883 (5)	6248 (5)
12-15-S	100	90	22.62	22.62	43.89	0.00	439 (8)	23812 (8)	5535 (8)
12-16-S	100	90	22.62	22.62	35.64	0.00	356 (8)	19337 (8)	4494 (8)
12-17-S	100	90	22.62	22.62	22.44	0.00	224 (8)	12175 (8)	2830 (8)
12-18-S	100	90	22.62	22.62	13.39	0.00	134 (8)	7268 (8)	1689 (8)
12-19-S	100	90	22.62	22.62	6.38	0.00	64 (8)	3462 (8)	805 (8)
13-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
13-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
13-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
13-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
13-5-S	100	90	22.62	22.62	0.00	-239.93	2399 (8)	30257 (8)	130178 (8)
13-6-S	100	90	22.62	22.62	0.00	-183.38	1834 (8)	23126 (8)	99498 (8)
13-7-S	100	90	22.62	22.62	0.00	-126.83	1268 (8)	15995 (8)	68817 (8)
13-8-S	100	90	22.62	22.62	0.00	-80.70	807 (8)	10177 (8)	43788 (8)
13-9-S	100	90	22.62	22.62	0.00	-36.15	361 (8)	4559 (8)	19614 (8)
13-10-S	100	90	22.62	22.62	63.59	0.00	30 (5)	1602 (5)	1635 (5)
13-11-S	100	90	22.62	22.62	75.56	0.00	345 (5)	18697 (5)	4346 (5)
13-12-S	100	90	22.62	22.62	79.64	0.00	620 (5)	33659 (5)	7823 (5)
13-13-S	100	90	22.62	22.62	85.45	0.00	854 (8)	46363 (8)	10776 (8)
13-14-S	100	90	22.62	22.62	82.69	0.00	827 (8)	44864 (8)	10428 (8)
13-15-S	100	90	22.62	22.62	51.75	-0.82	517 (8)	28077 (8)	6526 (8)
13-16-S	100	90	22.62	22.62	28.90	-9.14	361 (8)	19598 (8)	6199 (8)
13-17-S	100	90	22.62	22.62	18.36	-28.59	476 (8)	16604 (8)	25851 (8)
13-18-S	100	90	22.62	22.62	11.92	-25.04	351 (8)	11321 (8)	19021 (8)
13-19-S	100	90	22.62	22.62	6.10	-8.97	112 (8)	5513 (8)	6085 (8)
14-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
14-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
14-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
14-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
14-5-S	100	90	22.62	22.62	0.00	-241.69	2417 (8)	30479 (8)	131134 (8)
14-6-S	100	90	22.62	22.62	0.00	-185.10	1851 (8)	23343 (8)	100431 (8)
14-7-S	100	90	22.62	22.62	0.00	-128.52	1285 (8)	16207 (8)	69729 (8)
14-8-S	100	90	22.62	22.62	0.00	-82.29	823 (8)	10378 (8)	44649 (8)
14-9-S	100	90	22.62	22.62	0.00	-37.64	376 (8)	4746 (8)	20420 (8)
14-10-S	100	90	22.62	22.62	61.67	0.00	41 (5)	1656 (5)	2200 (5)
14-11-S	100	90	22.62	22.62	73.85	0.00	332 (5)	18038 (5)	4192 (5)
14-12-S	100	90	22.62	22.62	78.15	0.00	610 (5)	33083 (5)	7689 (5)
14-13-S	100	90	22.62	22.62	84.56	0.00	845 (8)	45877 (8)	10663 (8)
14-14-S	100	90	22.62	22.62	82.03	-0.07	820 (8)	44510 (8)	10345 (8)
14-15-S	100	90	22.62	22.62	51.88	-1.51	519 (8)	28151 (8)	6543 (8)
14-16-S	100	90	22.62	22.62	29.58	-10.22	370 (8)	20063 (8)	6930 (8)
14-17-S	100	90	22.62	22.62	18.52	-28.98	362 (8)	16744 (8)	19652 (8)
14-18-S	100	90	22.62	22.62	12.11	-25.36	333 (8)	11503 (8)	18062 (8)
14-19-S	100	90	22.62	22.62	6.41	-9.34	117 (8)	5798 (8)	6337 (8)
15-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
15-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
15-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
15-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
15-5-S	100	90	22.62	22.62	0.00	-241.82	2418 (8)	30495 (8)	131204 (8)
15-6-S	100	90	22.62	22.62	0.00	-185.91	1859 (8)	23445 (8)	100872 (8)
15-7-S	100	90	22.62	22.62	0.00	-130.01	1300 (8)	16395 (8)	70540 (8)
15-8-S	100	90	22.62	22.62	0.00	-85.50	855 (8)	10783 (8)	46392 (8)
15-9-S	100	90	22.62	22.62	0.00	-42.72	427 (8)	5387 (8)	23179 (8)
15-10-S	100	90	22.62	22.62	51.83	0.00	115 (5)	1452 (5)	6248 (5)
15-11-S	100	90	22.62	22.62	59.67	0.00	156 (5)	8443 (5)	1962 (5)
15-12-S	100	90	22.62	22.62	60.83	0.00	329 (5)	17860 (5)	4151 (5)
15-13-S	100	90	22.62	22.62	57.65	0.00	439 (5)	23846 (5)	5542 (5)
15-14-S	100	90	22.62	22.62	50.78	0.00	473 (5)	25669 (5)	5966 (5)
15-15-S	100	90	22.62	22.62	42.18	0.00	422 (8)	22884 (8)	5319 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
15-16-S	100	90	22.62	22.62	34.44	0.00	344 (8)	18687 (8)	4343 (8)
15-17-S	100	90	22.62	22.62	21.73	0.00	217 (8)	11788 (8)	2740 (8)
15-18-S	100	90	22.62	22.62	13.00	0.00	130 (8)	7051 (8)	1639 (8)
15-19-S	100	90	22.62	22.62	6.21	0.00	62 (8)	3372 (8)	784 (8)
16-1-S	100	90	27.14	27.14	0.01	-0.01	0 (5)	6 (5)	6 (5)
16-2-S	100	90	27.14	27.14	0.00	-1.15	10 (5)	133 (5)	520 (5)
16-3-S	100	90	27.14	27.14	0.00	-2.30	21 (5)	267 (5)	1041 (5)
16-4-S	100	90	27.14	27.14	0.00	-3.45	31 (5)	400 (5)	1563 (5)
16-5-S	100	90	27.14	27.14	0.00	-243.03	2211 (8)	28226 (8)	110211 (8)
16-6-S	100	90	27.14	27.14	0.00	-186.45	1696 (8)	21654 (8)	84551 (8)
16-7-S	100	90	27.14	27.14	0.00	-129.86	1182 (8)	15082 (8)	58891 (8)
16-8-S	100	90	27.14	27.14	0.00	-83.59	761 (8)	9708 (8)	37907 (8)
16-9-S	100	90	27.14	27.14	0.00	-38.88	354 (8)	4515 (8)	17629 (8)
16-10-S	100	90	27.14	27.14	60.06	0.00	40 (5)	882 (5)	1989 (5)
16-11-S	100	90	27.14	27.14	72.38	0.00	293 (5)	14601 (5)	3739 (5)
16-12-S	100	90	27.14	27.14	76.84	0.00	546 (5)	27231 (5)	6974 (5)
16-13-S	100	90	27.14	27.14	83.76	0.00	762 (8)	37985 (8)	9728 (8)
16-14-S	100	90	27.14	27.14	81.36	-0.05	740 (8)	36897 (8)	9450 (8)
16-15-S	100	90	27.14	27.14	51.21	-1.34	466 (8)	23223 (8)	5948 (8)
16-16-S	100	90	27.14	27.14	29.01	-10.00	330 (8)	16443 (8)	5671 (8)
16-17-S	100	90	27.14	27.14	18.30	-28.97	330 (8)	13828 (8)	16424 (8)
16-18-S	100	90	27.14	27.14	11.97	-25.34	303 (8)	9499 (8)	15084 (8)
16-19-S	100	90	27.14	27.14	6.26	-9.25	105 (8)	4731 (8)	5241 (8)
17-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
17-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
17-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
17-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
17-5-S	100	90	22.62	22.62	0.00	-243.03	2430 (8)	30648 (8)	131862 (8)
17-6-S	100	90	22.62	22.62	0.00	-186.45	1864 (8)	23512 (8)	101161 (8)
17-7-S	100	90	22.62	22.62	0.00	-129.86	1299 (8)	16377 (8)	70461 (8)
17-8-S	100	90	22.62	22.62	0.00	-83.59	836 (8)	10541 (8)	45354 (8)
17-9-S	100	90	22.62	22.62	0.00	-38.88	389 (8)	4903 (8)	21093 (8)
17-10-S	100	90	22.62	22.62	60.06	0.00	44 (5)	1055 (5)	2379 (5)
17-11-S	100	90	22.62	22.62	72.38	0.00	322 (5)	17469 (5)	4060 (5)
17-12-S	100	90	22.62	22.62	76.84	0.00	600 (5)	32581 (5)	7573 (5)
17-13-S	100	90	22.62	22.62	83.76	0.00	838 (8)	45448 (8)	10563 (8)
17-14-S	100	90	22.62	22.62	81.36	-0.05	814 (8)	44145 (8)	10261 (8)
17-15-S	100	90	22.62	22.62	51.21	-1.34	512 (8)	27785 (8)	6458 (8)
17-16-S	100	90	22.62	22.62	29.01	-10.00	363 (8)	19673 (8)	6785 (8)
17-17-S	100	90	22.62	22.62	18.30	-28.97	362 (8)	16545 (8)	19651 (8)
17-18-S	100	90	22.62	22.62	11.97	-25.34	333 (8)	11365 (8)	18047 (8)
17-19-S	100	90	22.62	22.62	6.26	-9.25	116 (8)	5661 (8)	6271 (8)
18-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
18-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
18-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
18-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
18-5-S	100	90	22.62	22.62	0.00	-241.82	2418 (8)	30495 (8)	131204 (8)
18-6-S	100	90	22.62	22.62	0.00	-185.91	1859 (8)	23445 (8)	100872 (8)
18-7-S	100	90	22.62	22.62	0.00	-130.01	1300 (8)	16395 (8)	70540 (8)
18-8-S	100	90	22.62	22.62	0.00	-85.50	855 (8)	10783 (8)	46392 (8)
18-9-S	100	90	22.62	22.62	0.00	-42.72	427 (8)	5387 (8)	23179 (8)
18-10-S	100	90	22.62	22.62	51.83	0.00	115 (5)	1452 (5)	6248 (5)
18-11-S	100	90	22.62	22.62	59.67	0.00	156 (5)	8443 (5)	1962 (5)
18-12-S	100	90	22.62	22.62	60.83	0.00	329 (5)	17860 (5)	4151 (5)
18-13-S	100	90	22.62	22.62	57.65	0.00	439 (5)	23846 (5)	5542 (5)
18-14-S	100	90	22.62	22.62	50.78	0.00	473 (5)	25669 (5)	5966 (5)
18-15-S	100	90	22.62	22.62	42.18	0.00	422 (8)	22884 (8)	5319 (8)
18-16-S	100	90	22.62	22.62	34.44	0.00	344 (8)	18687 (8)	4343 (8)
18-17-S	100	90	22.62	22.62	21.73	0.00	217 (8)	11788 (8)	2740 (8)
18-18-S	100	90	22.62	22.62	13.00	0.00	130 (8)	7051 (8)	1639 (8)
18-19-S	100	90	22.62	22.62	6.21	0.00	62 (8)	3372 (8)	784 (8)
19-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
19-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
19-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
19-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
19-5-S	100	90	22.62	22.62	0.00	-241.69	2417 (8)	30479 (8)	131134 (8)
19-6-S	100	90	22.62	22.62	0.00	-185.10	1851 (8)	23343 (8)	100431 (8)
19-7-S	100	90	22.62	22.62	0.00	-128.52	1285 (8)	16207 (8)	69729 (8)
19-8-S	100	90	22.62	22.62	0.00	-82.29	823 (8)	10378 (8)	44649 (8)
19-9-S	100	90	22.62	22.62	0.00	-37.64	376 (8)	4746 (8)	20420 (8)
19-10-S	100	90	22.62	22.62	61.67	0.00	41 (5)	1656 (5)	2200 (5)
19-11-S	100	90	22.62	22.62	73.85	0.00	332 (5)	18038 (5)	4192 (5)
19-12-S	100	90	22.62	22.62	78.15	0.00	610 (5)	33083 (5)	7689 (5)
19-13-S	100	90	22.62	22.62	84.56	0.00	845 (8)	45877 (8)	10663 (8)
19-14-S	100	90	22.62	22.62	82.03	-0.07	820 (8)	44510 (8)	10345 (8)
19-15-S	100	90	22.62	22.62	51.88	-1.51	519 (8)	28151 (8)	6543 (8)
19-16-S	100	90	22.62	22.62	29.58	-10.22	370 (8)	20063 (8)	6930 (8)
19-17-S	100	90	22.62	22.62	18.52	-28.98	362 (8)	16744 (8)	19652 (8)
19-18-S	100	90	22.62	22.62	12.11	-25.36	333 (8)	11503 (8)	18062 (8)
19-19-S	100	90	22.62	22.62	6.41	-9.34	117 (8)	5798 (8)	6337 (8)
20-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
20-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
20-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
20-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
20-5-S	100	90	22.62	22.62	0.00	-239.93	2399 (8)	30257 (8)	130178 (8)
20-6-S	100	90	22.62	22.62	0.00	-183.38	1834 (8)	23126 (8)	99498 (8)
20-7-S	100	90	22.62	22.62	0.00	-126.83	1268 (8)	15995 (8)	68817 (8)
20-8-S	100	90	22.62	22.62	0.00	-80.70	807 (8)	10177 (8)	43788 (8)
20-9-S	100	90	22.62	22.62	0.00	-36.15	361 (8)	4559 (8)	19614 (8)
20-10-S	100	90	22.62	22.62	63.59	0.00	30 (5)	1602 (5)	1635 (5)
20-11-S	100	90	22.62	22.62	75.56	0.00	345 (5)	18697 (5)	4346 (5)
20-12-S	100	90	22.62	22.62	79.64	0.00	620 (5)	33659 (5)	7823 (5)
20-13-S	100	90	22.62	22.62	85.45	0.00	854 (8)	46363 (8)	10776 (8)
20-14-S	100	90	22.62	22.62	82.69	0.00	827 (8)	44864 (8)	10428 (8)
20-15-S	100	90	22.62	22.62	51.75	-0.82	517 (8)	28077 (8)	6526 (8)
20-16-S	100	90	22.62	22.62	28.90	-9.14	361 (8)	19598 (8)	6199 (8)
20-17-S	100	90	22.62	22.62	18.36	-28.59	476 (8)	16604 (8)	25851 (8)
20-18-S	100	90	22.62	22.62	11.92	-25.04	351 (8)	11321 (8)	19021 (8)
20-19-S	100	90	22.62	22.62	6.10	-8.97	112 (8)	5513 (8)	6085 (8)
21-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
21-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
21-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
21-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
21-5-S	100	90	22.62	22.62	0.00	-236.10	2361 (8)	29774 (8)	128101 (8)
21-6-S	100	90	22.62	22.62	0.00	-180.37	1804 (8)	22747 (8)	97866 (8)
21-7-S	100	90	22.62	22.62	0.00	-124.65	1246 (8)	15719 (8)	67631 (8)
21-8-S	100	90	22.62	22.62	0.00	-80.47	805 (8)	10148 (8)	43662 (8)
21-9-S	100	90	22.62	22.62	0.00	-38.04	380 (8)	4797 (8)	20640 (8)
21-10-S	100	90	22.62	22.62	57.82	0.00	74 (5)	937 (5)	4033 (5)
21-11-S	100	90	22.62	22.62	64.99	0.00	193 (5)	10499 (5)	2440 (5)
21-12-S	100	90	22.62	22.62	65.44	0.00	362 (5)	19645 (5)	4566 (5)
21-13-S	100	90	22.62	22.62	61.50	0.00	467 (5)	25346 (5)	5891 (5)
21-14-S	100	90	22.62	22.62	53.89	0.00	495 (5)	26883 (5)	6248 (5)
21-15-S	100	90	22.62	22.62	43.89	0.00	439 (8)	23812 (8)	5535 (8)
21-16-S	100	90	22.62	22.62	35.64	0.00	356 (8)	19337 (8)	4494 (8)
21-17-S	100	90	22.62	22.62	22.44	0.00	224 (8)	12175 (8)	2830 (8)
21-18-S	100	90	22.62	22.62	13.39	0.00	134 (8)	7268 (8)	1689 (8)
21-19-S	100	90	22.62	22.62	6.38	0.00	64 (8)	3462 (8)	805 (8)
22-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
22-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
22-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
22-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
22-5-S	100	90	22.62	22.62	0.00	-232.03	2320 (8)	29261 (8)	125892 (8)
22-6-S	100	90	22.62	22.62	0.00	-175.95	1759 (8)	22188 (8)	95465 (8)
22-7-S	100	90	22.62	22.62	0.00	-119.87	1199 (8)	15116 (8)	65037 (8)
22-8-S	100	90	22.62	22.62	0.00	-74.32	743 (8)	9372 (8)	40322 (8)
22-9-S	100	90	22.62	22.62	0.00	-30.36	304 (8)	3828 (8)	16470 (8)
22-10-S	100	90	22.62	22.62	70.84	0.00	74 (5)	4019 (5)	1532 (5)
22-11-S	100	90	22.62	22.62	81.82	0.00	390 (5)	21143 (5)	4914 (5)
22-12-S	100	90	22.62	22.62	84.92	0.00	659 (5)	35745 (5)	8308 (5)
22-13-S	100	90	22.62	22.62	88.63	0.00	886 (8)	48086 (8)	11177 (8)
22-14-S	100	90	22.62	22.62	85.30	-0.09	853 (8)	46283 (8)	10757 (8)
22-15-S	100	90	22.62	22.62	54.60	-1.77	546 (8)	29626 (8)	6886 (8)
22-16-S	100	90	22.62	22.62	31.47	-10.41	393 (8)	21345 (8)	7058 (8)
22-17-S	100	90	22.62	22.62	19.26	-28.72	359 (8)	17415 (8)	19476 (8)
22-18-S	100	90	22.62	22.62	12.62	-25.32	332 (8)	11063 (8)	18032 (8)
22-19-S	100	90	22.62	22.62	6.83	-9.54	114 (8)	6175 (8)	5178 (8)
23-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	18 (5)	4 (5)
23-2-S	100	90	22.62	22.62	0.00	-1.06	11 (5)	134 (5)	577 (5)
23-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
23-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
23-5-S	100	90	22.62	22.62	0.00	-224.75	2247 (8)	28343 (8)	121943 (8)
23-6-S	100	90	22.62	22.62	0.00	-169.31	1693 (8)	21351 (8)	91862 (8)
23-7-S	100	90	22.62	22.62	0.00	-113.87	1139 (8)	14360 (8)	61782 (8)
23-8-S	100	90	22.62	22.62	0.00	-68.94	689 (8)	8694 (8)	37403 (8)
23-9-S	100	90	22.62	22.62	0.00	-25.59	256 (8)	3228 (8)	13887 (8)
23-10-S	100	90	22.62	22.62	76.49	0.00	99 (5)	5358 (5)	1245 (5)
23-11-S	100	90	22.62	22.62	86.48	0.00	425 (5)	23081 (5)	5365 (5)
23-12-S	100	90	22.62	22.62	88.68	0.00	689 (5)	37373 (5)	8686 (5)
23-13-S	100	90	22.62	22.62	91.07	0.00	911 (8)	49411 (8)	11484 (8)
23-14-S	100	90	22.62	22.62	87.13	0.00	871 (8)	47273 (8)	10988 (8)
23-15-S	100	90	22.62	22.62	54.28	-0.03	543 (8)	29449 (8)	6845 (8)
23-16-S	100	90	22.62	22.62	29.23	-7.22	365 (8)	19827 (8)	6530 (8)
23-17-S	100	90	22.62	22.62	18.72	-27.64	461 (8)	16928 (8)	24990 (8)
23-18-S	100	90	22.62	22.62	11.99	-24.41	427 (8)	11389 (8)	23177 (8)
23-19-S	100	90	22.62	22.62	5.61	-8.23	103 (8)	5073 (8)	5581 (8)
24-1-S	100	90	22.62	22.62	0.01	0.00	0 (5)	6 (5)	1 (5)
24-2-S	100	90	22.62	22.62	0.00	-1.10	11 (5)	138 (5)	595 (5)
24-3-S	100	90	22.62	22.62	0.00	-2.20	22 (5)	278 (5)	1195 (5)
24-4-S	100	90	22.62	22.62	0.00	-3.31	33 (5)	417 (5)	1796 (5)
24-5-S	100	90	22.62	22.62	0.00	-214.30	2143 (8)	27025 (8)	116272 (8)
24-6-S	100	90	22.62	22.62	0.00	-160.50	1605 (8)	20241 (8)	87084 (8)
24-7-S	100	90	22.62	22.62	0.00	-106.71	1067 (8)	13457 (8)	57896 (8)
24-8-S	100	90	22.62	22.62	0.00	-64.34	643 (8)	8114 (8)	34910 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
24-9-S	100	90	22.62	22.62	0.00	-23.71	237 (8)	2989 (8)	12862 (8)
24-10-S	100	90	22.62	22.62	74.38	0.00	66 (5)	3606 (5)	838 (5)
24-11-S	100	90	22.62	22.62	78.54	0.00	302 (5)	16373 (5)	3806 (5)
24-12-S	100	90	22.62	22.62	76.32	0.00	453 (5)	24600 (5)	5718 (5)
24-13-S	100	90	22.62	22.62	69.95	0.00	542 (5)	29403 (5)	6834 (5)
24-14-S	100	90	22.62	22.62	60.18	0.00	554 (5)	30073 (5)	6990 (5)
24-15-S	100	90	22.62	22.62	48.23	0.00	482 (8)	26170 (8)	6082 (8)
24-16-S	100	90	22.62	22.62	38.55	0.00	385 (8)	20916 (8)	4861 (8)
24-17-S	100	90	22.62	22.62	24.11	0.00	241 (8)	13080 (8)	3040 (8)
24-18-S	100	90	22.62	22.62	14.29	0.00	143 (8)	7756 (8)	1803 (8)
24-19-S	100	90	22.62	22.62	6.74	0.00	67 (8)	3659 (8)	851 (8)
25-1-S	100	90	22.62	22.62	0.04	0.00	0 (5)	19 (5)	4 (5)
25-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	135 (5)	579 (5)
25-3-S	100	90	22.62	22.62	0.00	-2.17	22 (5)	274 (5)	1178 (5)
25-4-S	100	90	22.62	22.62	0.00	-3.28	33 (5)	413 (5)	1778 (5)
25-5-S	100	90	22.62	22.62	0.00	-205.18	2052 (8)	25875 (8)	111327 (8)
25-6-S	100	90	22.62	22.62	0.00	-151.23	1512 (8)	19071 (8)	82054 (8)
25-7-S	100	90	22.62	22.62	0.00	-97.28	973 (8)	12267 (8)	52780 (8)
25-8-S	100	90	22.62	22.62	0.00	-53.85	538 (8)	6790 (8)	29215 (8)
25-9-S	100	90	22.62	22.62	80.01	0.00	120 (5)	1516 (5)	6522 (5)
25-10-S	100	90	22.62	22.62	89.83	0.00	222 (5)	12068 (5)	2805 (5)
25-11-S	100	90	22.62	22.62	96.86	0.00	531 (5)	28796 (5)	6693 (5)
25-12-S	100	90	22.62	22.62	96.85	0.00	782 (5)	42459 (5)	9869 (5)
25-13-S	100	90	22.62	22.62	99.61	-0.04	996 (8)	54046 (8)	12562 (8)
25-14-S	100	90	22.62	22.62	94.47	-0.49	945 (8)	51259 (8)	11914 (8)
25-15-S	100	90	22.62	22.62	61.90	-3.29	619 (8)	33586 (8)	7806 (8)
25-16-S	100	90	22.62	22.62	35.94	-11.87	449 (8)	24375 (8)	6442 (8)
25-17-S	100	90	22.62	22.62	21.70	-30.50	381 (8)	19625 (8)	20684 (8)
25-18-S	100	90	22.62	22.62	14.39	-27.11	300 (8)	12617 (8)	16258 (8)
25-19-S	100	90	22.62	22.62	8.47	-11.08	141 (8)	7662 (8)	6010 (8)
26-1-S	100	90	22.62	22.62	0.05	-0.02	0 (5)	25 (5)	27 (5)
26-2-S	100	90	22.62	22.62	0.00	-1.14	11 (5)	144 (5)	618 (5)
26-3-S	100	90	22.62	22.62	0.00	-2.31	23 (5)	291 (5)	1252 (5)
26-4-S	100	90	22.62	22.62	0.00	-3.48	35 (5)	439 (5)	1887 (5)
26-5-S	100	90	22.62	22.62	0.00	-197.75	1977 (8)	24937 (8)	107292 (8)
26-6-S	100	90	22.62	22.62	0.00	-142.90	1429 (8)	18021 (8)	77535 (8)
26-7-S	100	90	22.62	22.62	0.00	-88.06	881 (8)	11105 (8)	47777 (8)
26-8-S	100	90	22.62	22.62	0.00	-45.09	451 (8)	5687 (8)	24466 (8)
26-9-S	100	90	22.62	22.62	88.53	0.00	42 (5)	532 (5)	2290 (5)
26-10-S	100	90	22.62	22.62	97.01	0.00	299 (5)	16211 (5)	3768 (5)
26-11-S	100	90	22.62	22.62	102.34	0.00	610 (5)	33109 (5)	7695 (5)
26-12-S	100	90	22.62	22.62	99.94	0.00	852 (5)	46251 (5)	10750 (5)
26-13-S	100	90	22.62	22.62	104.94	-0.01	1049 (8)	56935 (8)	13233 (8)
26-14-S	100	90	22.62	22.62	98.55	-0.08	985 (8)	53473 (8)	12428 (8)
26-15-S	100	90	22.62	22.62	64.00	-0.90	640 (8)	34724 (8)	8071 (8)
26-16-S	100	90	22.62	22.62	35.07	-6.78	433 (8)	23508 (8)	5464 (8)
26-17-S	100	90	22.62	22.62	19.27	-24.65	311 (8)	16890 (8)	13373 (8)
26-18-S	100	90	22.62	22.62	13.12	-21.57	219 (8)	11867 (8)	11705 (8)
26-19-S	100	90	22.62	22.62	6.86	-6.50	114 (8)	6204 (8)	4408 (8)

Pali in c.a.

Ip	Is	Af [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstr [kPa]
1	1	108.57	4703	57020		
1	2	108.57	3960	47843		
1	3	108.57	3281	40342		
1	4	108.57	2670	33516		
1	5	108.57	2138	27480		
1	6	108.57	1704	22436		
1	7	108.57	1373	18490		
1	8	108.57	1097	15186		
1	9	108.57	853	12254		
1	10	108.57	698	10375		
1	11	108.57	871	12413		
1	12	108.57	1018	14149		
1	13	108.57	1142	15605		
1	14	108.57	1244	16803		
1	15	108.57	1328	17774		
1	16	108.57	1397	18574		
1	17	108.57	1453	19207		
1	18	108.57	1495	19671		
1	19	108.57	1523	19969		
1	20	108.57	1537	20111		
1	21	108.57	1539	20108		
1	22	108.57	1530	19976		
1	23	108.57	1512	19730		
1	24	108.57	1485	19388		
1	25	108.57	1450	18963		
1	26	108.57	1411	18473		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	27	108.57	1366	17931		
1	28	108.57	1319	17350		
1	29	108.57	1269	16742		
1	30	108.57	1218	16119		
1	31	108.57	1167	15489		
1	32	108.57	1116	14862		
1	33	108.57	1066	14242		
1	34	108.57	1017	13636		
1	35	108.57	969	13044		
1	36	108.57	922	12466		
1	37	108.57	877	11900		
1	38	108.57	832	11350		
1	39	108.57	790	10817		
1	40	108.57	748	10303		
1	41	108.57	709	9809		
1	42	108.57	671	9337		
1	43	108.57	635	8886		
1	44	108.57	601	8457		
1	45	108.57	569	8049		
1	46	108.57	539	7664		
1	47	108.57	510	7300		
1	48	108.57	483	6956		
1	49	108.57	458	6633		
1	50	108.57	434	6330		
1	51	108.57	412	6045		
1	52	108.57	392	5778		
1	53	108.57	373	5528		
1	54	108.57	355	5294		
1	55	108.57	339	5076		
1	56	108.57	338	5041		
1	57	108.57	337	5012		
1	58	108.57	335	4971		
1	59	108.57	333	4919		
1	60	108.57	330	4857		
1	61	108.57	326	4785		
1	62	108.57	321	4705		
1	63	108.57	315	4617		
1	64	108.57	309	4522		
1	65	108.57	303	4421		
1	66	108.57	296	4315		
1	67	108.57	288	4203		
1	68	108.57	280	4088		
1	69	108.57	272	3969		
1	70	108.57	264	3847		
1	71	108.57	255	3723		
1	72	108.57	247	3596		
1	73	108.57	238	3468		
1	74	108.57	229	3339		
1	75	108.57	220	3208		
1	76	108.57	211	3077		
1	77	108.57	202	2946		
1	78	108.57	192	2814		
1	79	108.57	183	2683		
1	80	108.57	174	2551		
1	81	108.57	165	2420		
1	82	108.57	156	2290		
1	83	108.57	147	2160		
1	84	108.57	138	2032		
1	85	108.57	129	1904		
1	86	108.57	121	1776		
1	87	108.57	112	1650		
1	88	108.57	103	1525		
1	89	108.57	95	1401		
1	90	108.57	86	1278		
1	91	108.57	78	1157		
1	92	108.57	70	1036		
1	93	108.57	62	916		
1	94	108.57	54	798		
1	95	108.57	46	681		
1	96	108.57	38	564		
1	97	108.57	30	449		
1	98	108.57	22	335		
1	99	108.57	15	222		
1	100	108.57	7	111		
1	101	108.57	0	0		
2	1	106.44	4833	60198		
2	2	106.44	4112	52149		
2	3	106.44	3488	45075		
2	4	106.44	2973	39126		
2	5	106.44	2564	34320		
2	6	106.44	2226	30314		
2	7	106.44	1925	26733		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	8	106.44	1657	23549		
2	9	106.44	1420	20737		
2	10	106.44	1272	18984		
2	11	106.44	1455	21165		
2	12	106.44	1612	23042		
2	13	106.44	1746	24639		
2	14	106.44	1858	25976		
2	15	106.44	1951	27077		
2	16	106.44	2025	27962		
2	17	106.44	2082	28652		
2	18	106.44	2125	29166		
2	19	106.44	2155	29523		
2	20	106.44	2172	29739		
2	21	106.44	2180	29832		
2	22	106.44	2178	29817		
2	23	106.44	2169	29708		
2	24	106.44	2152	29519		
2	25	106.44	2130	29263		
2	26	106.44	2104	28950		
2	27	106.44	2073	28590		
2	28	106.44	2039	28194		
2	29	106.44	2003	27771		
2	30	106.44	1965	27326		
2	31	106.44	1926	26869		
2	32	106.44	1887	26403		
2	33	106.44	1847	25936		
2	34	106.44	1808	25472		
2	35	106.44	1769	25014		
2	36	106.44	1731	24567		
2	37	106.44	1694	24133		
2	38	106.44	1658	23714		
2	39	106.44	1624	23313		
2	40	106.44	1592	22931		
2	41	106.44	1561	22569		
2	42	106.44	1532	22228		
2	43	106.44	1504	21909		
2	44	106.44	1479	21612		
2	45	106.44	1455	21337		
2	46	106.44	1434	21083		
2	47	106.44	1414	20851		
2	48	106.44	1396	20640		
2	49	106.44	1379	20450		
2	50	106.44	1364	20279		
2	51	106.44	1351	20127		
2	52	106.44	1340	19993		
2	53	106.44	1329	19876		
2	54	106.44	1320	19775		
2	55	106.44	1313	19689		
2	56	106.44	1321	19789		
2	57	106.44	1329	19894		
2	58	106.44	1337	19987		
2	59	106.44	1343	20068		
2	60	106.44	1349	20139		
2	61	106.44	1353	20201		
2	62	106.44	1357	20255		
2	63	106.44	1361	20300		
2	64	106.44	1364	20339		
2	65	106.44	1366	20371		
2	66	106.44	1368	20399		
2	67	106.44	1369	20421		
2	68	106.44	1371	20439		
2	69	106.44	1371	20454		
2	70	106.44	1372	20465		
2	71	106.44	1372	20474		
2	72	106.44	1372	20481		
2	73	106.44	1372	20486		
2	74	106.44	1372	20490		
2	75	106.44	1372	20493		
2	76	106.44	1372	20495		
2	77	106.44	1372	20497		
2	78	106.44	1372	20499		
2	79	106.44	1371	20501		
2	80	106.44	1371	20503		
2	81	106.44	1371	20505		
2	82	106.44	1371	20508		
2	83	106.44	1371	20512		
2	84	106.44	1371	20517		
2	85	106.44	1371	20522		
2	86	106.44	1371	20528		
2	87	106.44	1371	20536		
2	88	106.44	1371	20544		
2	89	106.44	1372	20553		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
2	90	106.44	1372	20564		
2	91	106.44	1373	20576		
2	92	106.44	1373	20588		
2	93	106.44	1374	20602		
2	94	106.44	1375	20617		
2	95	106.44	1376	20633		
2	96	106.44	1377	20651		
2	97	106.44	1378	20669		
2	98	106.44	1379	20688		
2	99	106.44	1381	20709		
2	100	106.44	1382	20731		
2	101	106.44	1384	20754		

Combinazioni SLEQ

Paramento

Tensione massima di compressione nel calcestruzzo 14940 [kPa]
Tensione massima di trazione dell'acciaio 450000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_f [kPa]	σ_{fs} [kPa]
1	100	30	18.10	22.62	0.00	0.00	0 (7)	0 (7)	0 (7)
2	100	31	18.10	22.62	0.06	0.74	5 (8)	17 (7)	57 (8)
3	100	31	18.10	22.62	0.23	1.51	21 (8)	178 (8)	167 (8)
4	100	32	18.10	22.62	0.53	2.29	46 (8)	592 (8)	316 (8)
5	100	33	18.10	22.62	0.95	3.09	78 (8)	1224 (8)	504 (8)
6	100	34	18.10	22.62	1.50	3.90	118 (8)	2062 (8)	731 (8)
7	100	34	18.10	22.62	2.19	4.74	165 (8)	3097 (8)	997 (8)
8	100	35	18.10	22.62	3.02	5.59	217 (8)	4320 (8)	1301 (8)
9	100	36	18.10	22.62	4.00	6.46	274 (8)	5724 (8)	1643 (8)
10	100	37	18.10	22.62	5.13	7.35	336 (8)	7302 (8)	2022 (8)
11	100	37	18.10	22.62	6.41	8.26	403 (8)	9048 (8)	2438 (8)
12	100	38	18.10	22.62	7.86	9.18	473 (8)	10958 (8)	2890 (8)
13	100	39	18.10	22.62	9.47	10.12	548 (8)	13026 (8)	3377 (8)
14	100	40	18.10	22.62	11.26	11.08	625 (8)	15248 (8)	3898 (8)
15	100	40	18.10	22.62	13.22	12.06	706 (8)	17620 (8)	4453 (8)
16	100	41	18.10	22.62	15.36	13.06	790 (8)	20139 (8)	5040 (8)
17	100	42	18.10	22.62	17.68	14.07	877 (8)	22801 (8)	5659 (8)
18	100	42	18.10	22.62	20.20	15.11	966 (8)	25603 (8)	6310 (8)
19	100	43	18.10	22.62	22.92	16.16	1058 (8)	28543 (8)	6990 (8)
20	100	44	18.10	22.62	25.83	17.22	1152 (8)	31619 (8)	7701 (8)
21	100	45	18.10	22.62	28.95	18.31	1248 (8)	34827 (8)	8440 (8)
22	100	45	18.10	22.62	32.28	19.42	1347 (8)	38165 (8)	9207 (8)
23	100	46	18.10	22.62	35.82	20.54	1447 (8)	41633 (8)	10002 (8)
24	100	47	18.10	22.62	39.59	21.68	1550 (8)	45228 (8)	10823 (8)
25	100	48	18.10	22.62	43.58	22.84	1654 (8)	48948 (8)	11671 (8)
26	100	48	18.10	22.62	47.80	24.01	1760 (8)	52792 (8)	12545 (8)
27	100	49	18.10	22.62	52.26	25.21	1868 (8)	56759 (8)	13444 (8)
28	100	50	18.10	22.62	56.95	26.42	1977 (8)	60846 (8)	14367 (8)
29	100	51	18.10	22.62	61.89	27.65	2088 (8)	65054 (8)	15314 (8)
30	100	51	18.10	22.62	67.08	28.90	2200 (8)	69380 (8)	16285 (8)
31	100	52	18.10	22.62	72.53	30.17	2314 (8)	73825 (8)	17280 (8)
32	100	53	18.10	22.62	78.24	31.45	2429 (8)	78386 (8)	18296 (8)
33	100	53	18.10	22.62	84.21	32.75	2546 (8)	83063 (8)	19335 (8)
34	100	54	18.10	22.62	90.45	34.08	2664 (8)	87855 (8)	20396 (8)
35	100	55	18.10	22.62	96.96	35.41	2784 (8)	92761 (8)	21479 (8)
36	100	56	18.10	22.62	103.76	36.77	2904 (8)	97781 (8)	22582 (8)
37	100	56	18.10	22.62	110.84	38.15	3026 (8)	102913 (8)	23706 (8)
38	100	57	18.10	22.62	118.20	39.54	3149 (8)	108158 (8)	24851 (8)
39	100	58	18.10	22.62	125.87	40.95	3274 (8)	113514 (8)	26015 (8)
40	100	59	18.10	22.62	133.83	42.38	3399 (8)	118981 (8)	27199 (8)
41	100	59	18.10	22.62	142.09	43.82	3526 (8)	124558 (8)	28403 (8)
42	100	60	18.10	22.62	150.67	45.29	3662 (8)	130451 (8)	29669 (8)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B	H	Afi	Afs	Mp	Mn	σ_c	σ_f	σ_{fs}
----	---	---	-----	-----	----	----	------------	------------	---------------

RELAZIONE DI CALCOLO

	[cm]	[cm]	[cmq]	[cmq]	[kNm]	[kNm]	[kPa]	[kPa]	[kPa]
1-1-P	55	90	18.10	18.10	0.02	-0.20	3 (5)	83 (5)	135 (5)
1-2-P	55	90	18.10	18.10	0.01	-0.22	3 (5)	43 (5)	151 (5)
1-3-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-4-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	169 (5)
1-5-P	55	90	18.10	18.10	0.00	-0.24	4 (5)	47 (5)	167 (5)
1-6-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	169 (5)
1-7-P	55	90	18.10	18.10	0.01	-0.25	4 (5)	48 (5)	171 (5)
1-8-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	178 (5)
1-9-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	55 (5)	194 (5)
1-10-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-11-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	58 (5)	205 (5)
1-12-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-13-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-14-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-15-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-16-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-17-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-18-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-19-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-20-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-21-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-22-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-23-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-24-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-25-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-26-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-27-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-28-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-29-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-30-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-31-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-32-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-33-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-34-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-35-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-36-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-37-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-38-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-39-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-40-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-41-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-42-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-43-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-44-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-45-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-46-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-47-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-48-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-49-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-50-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-51-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-52-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-53-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	180 (5)
1-54-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-55-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	201 (5)
1-56-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-57-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	192 (5)
1-58-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-59-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	190 (5)
1-60-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	55 (5)	195 (5)
1-61-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	188 (5)
1-62-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	177 (5)
1-63-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	49 (5)	173 (5)
1-64-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	50 (5)	176 (5)
1-65-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-66-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	54 (5)	189 (5)
1-67-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	57 (5)	201 (5)
1-68-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	199 (5)
1-69-P	55	90	18.10	18.10	0.00	-0.28	4 (5)	53 (5)	188 (5)
1-70-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-71-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-72-P	55	90	18.10	18.10	0.00	-0.26	4 (5)	51 (5)	179 (5)
1-73-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	187 (5)
1-74-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	196 (5)
1-75-P	55	90	18.10	18.10	0.00	-0.29	4 (5)	56 (5)	197 (5)
1-76-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	52 (5)	185 (5)
1-77-P	55	90	18.10	18.10	0.00	-0.25	4 (5)	48 (5)	170 (5)
1-78-P	55	90	18.10	18.10	0.01	-0.23	3 (5)	44 (5)	157 (5)
1-79-P	55	90	18.10	18.10	0.03	-0.21	3 (5)	89 (5)	145 (5)
1-80-P	55	90	18.10	18.10	0.02	-0.21	3 (5)	84 (5)	146 (5)
1-81-P	55	90	18.10	18.10	0.02	-0.22	3 (5)	82 (5)	147 (5)
3-1-P	84	90	22.62	22.62	0.89	-13.87	151 (8)	1928 (8)	7547 (8)
3-2-P	84	90	22.62	22.62	0.00	-16.65	181 (8)	2315 (8)	9061 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-3-P	84	90	22.62	22.62	0.00	-20.33	221 (8)	2825 (8)	11060 (8)
3-4-P	84	90	22.62	22.62	0.00	-23.33	254 (8)	3242 (8)	12693 (8)
3-5-P	84	90	22.62	22.62	0.00	-26.33	287 (8)	3660 (8)	14327 (8)
3-6-P	84	90	22.62	22.62	0.00	-27.51	300 (8)	3824 (8)	14970 (8)
3-7-P	84	90	22.62	22.62	0.00	-28.69	313 (8)	3988 (8)	15613 (8)
3-8-P	84	90	22.62	22.62	0.00	-29.59	322 (8)	4112 (8)	16099 (8)
3-9-P	84	90	22.62	22.62	0.00	-30.29	330 (8)	4210 (8)	16481 (8)
3-10-P	84	90	22.62	22.62	0.00	-30.93	337 (8)	4299 (8)	16830 (8)
3-11-P	84	90	22.62	22.62	0.00	-31.34	341 (8)	4356 (8)	17055 (8)
3-12-P	84	90	22.62	22.62	0.00	-31.75	346 (8)	4414 (8)	17279 (8)
3-13-P	84	90	22.62	22.62	0.00	-31.97	348 (8)	4443 (8)	17395 (8)
3-14-P	84	90	22.62	22.62	0.00	-32.13	350 (8)	4466 (8)	17484 (8)
3-15-P	84	90	22.62	22.62	0.00	-32.32	352 (8)	4492 (8)	17584 (8)
3-16-P	84	90	22.62	22.62	0.00	-32.53	354 (8)	4522 (8)	17702 (8)
3-17-P	84	90	22.62	22.62	0.00	-32.75	357 (8)	4552 (8)	17820 (8)
3-18-P	84	90	22.62	22.62	0.00	-33.31	363 (8)	4629 (8)	18123 (8)
3-19-P	84	90	22.62	22.62	0.00	-33.86	369 (8)	4707 (8)	18426 (8)
3-20-P	84	90	22.62	22.62	0.00	-34.43	375 (8)	4785 (8)	18733 (8)
3-21-P	84	90	22.62	22.62	0.00	-35.00	381 (8)	4865 (8)	19044 (8)
3-22-P	84	90	22.62	22.62	0.00	-35.50	387 (8)	4935 (8)	19319 (8)
3-23-P	84	90	22.62	22.62	0.00	-35.75	389 (8)	4969 (8)	19451 (8)
3-24-P	84	90	22.62	22.62	0.00	-35.99	392 (8)	5002 (8)	19583 (8)
3-25-P	84	90	22.62	22.62	0.00	-35.98	392 (8)	5000 (8)	19575 (8)
3-26-P	84	90	22.62	22.62	0.00	-35.90	391 (8)	4989 (8)	19532 (8)
3-27-P	84	90	22.62	22.62	0.00	-35.83	390 (8)	4980 (8)	19495 (8)
3-28-P	84	90	22.62	22.62	0.00	-35.78	390 (8)	4973 (8)	19467 (8)
3-29-P	84	90	22.62	22.62	0.00	-35.72	389 (8)	4965 (8)	19439 (8)
3-30-P	84	90	22.62	22.62	0.00	-36.02	392 (8)	5007 (8)	19602 (8)
3-31-P	84	90	22.62	22.62	0.00	-36.32	396 (8)	5049 (8)	19765 (8)
3-32-P	84	90	22.62	22.62	0.00	-36.65	399 (8)	5094 (8)	19942 (8)
3-33-P	84	90	22.62	22.62	0.00	-36.99	403 (8)	5141 (8)	20128 (8)
3-34-P	84	90	22.62	22.62	0.00	-37.27	406 (8)	5181 (8)	20282 (8)
3-35-P	84	90	22.62	22.62	0.00	-37.32	407 (8)	5188 (8)	20309 (8)
3-36-P	84	90	22.62	22.62	0.00	-37.37	407 (8)	5194 (8)	20335 (8)
3-37-P	84	90	22.62	22.62	0.00	-37.19	405 (8)	5169 (8)	20236 (8)
3-38-P	84	90	22.62	22.62	0.00	-36.95	402 (8)	5136 (8)	20105 (8)
3-39-P	84	90	22.62	22.62	0.00	-36.73	400 (8)	5105 (8)	19986 (8)
3-40-P	84	90	22.62	22.62	0.00	-36.54	398 (8)	5079 (8)	19885 (8)
3-41-P	84	90	22.62	22.62	0.00	-36.36	396 (8)	5054 (8)	19784 (8)
3-42-P	84	90	22.62	22.62	0.00	-36.54	398 (8)	5079 (8)	19885 (8)
3-43-P	84	90	22.62	22.62	0.00	-36.73	400 (8)	5105 (8)	19986 (8)
3-44-P	84	90	22.62	22.62	0.00	-36.95	402 (8)	5136 (8)	20105 (8)
3-45-P	84	90	22.62	22.62	0.00	-37.19	405 (8)	5169 (8)	20236 (8)
3-46-P	84	90	22.62	22.62	0.00	-37.37	407 (8)	5194 (8)	20335 (8)
3-47-P	84	90	22.62	22.62	0.00	-37.32	407 (8)	5188 (8)	20309 (8)
3-48-P	84	90	22.62	22.62	0.00	-37.27	406 (8)	5181 (8)	20282 (8)
3-49-P	84	90	22.62	22.62	0.00	-36.99	403 (8)	5141 (8)	20128 (8)
3-50-P	84	90	22.62	22.62	0.00	-36.65	399 (8)	5094 (8)	19942 (8)
3-51-P	84	90	22.62	22.62	0.00	-36.32	396 (8)	5049 (8)	19765 (8)
3-52-P	84	90	22.62	22.62	0.00	-36.02	392 (8)	5007 (8)	19602 (8)
3-53-P	84	90	22.62	22.62	0.00	-35.72	389 (8)	4965 (8)	19439 (8)
3-54-P	84	90	22.62	22.62	0.00	-35.78	390 (8)	4973 (8)	19467 (8)
3-55-P	84	90	22.62	22.62	0.00	-35.83	390 (8)	4980 (8)	19495 (8)
3-56-P	84	90	22.62	22.62	0.00	-35.90	391 (8)	4989 (8)	19532 (8)
3-57-P	84	90	22.62	22.62	0.00	-35.98	392 (8)	5000 (8)	19575 (8)
3-58-P	84	90	22.62	22.62	0.00	-35.99	392 (8)	5002 (8)	19583 (8)
3-59-P	84	90	22.62	22.62	0.00	-35.75	389 (8)	4969 (8)	19451 (8)
3-60-P	84	90	22.62	22.62	0.00	-35.50	387 (8)	4935 (8)	19319 (8)
3-61-P	84	90	22.62	22.62	0.00	-35.00	381 (8)	4865 (8)	19044 (8)
3-62-P	84	90	22.62	22.62	0.00	-34.43	375 (8)	4785 (8)	18733 (8)
3-63-P	84	90	22.62	22.62	0.00	-33.86	369 (8)	4707 (8)	18426 (8)
3-64-P	84	90	22.62	22.62	0.00	-33.31	363 (8)	4629 (8)	18123 (8)
3-65-P	84	90	22.62	22.62	0.00	-32.75	357 (8)	4552 (8)	17820 (8)
3-66-P	84	90	22.62	22.62	0.00	-32.53	354 (8)	4522 (8)	17702 (8)
3-67-P	84	90	22.62	22.62	0.00	-32.32	352 (8)	4492 (8)	17584 (8)
3-68-P	84	90	22.62	22.62	0.00	-32.13	350 (8)	4466 (8)	17484 (8)
3-69-P	84	90	22.62	22.62	0.00	-31.97	348 (8)	4443 (8)	17395 (8)
3-70-P	84	90	22.62	22.62	0.00	-31.75	346 (8)	4414 (8)	17279 (8)
3-71-P	84	90	22.62	22.62	0.00	-31.34	341 (8)	4356 (8)	17055 (8)
3-72-P	84	90	22.62	22.62	0.00	-30.93	337 (8)	4299 (8)	16830 (8)
3-73-P	84	90	22.62	22.62	0.00	-30.29	330 (8)	4210 (8)	16481 (8)
3-74-P	84	90	22.62	22.62	0.00	-29.59	322 (8)	4112 (8)	16099 (8)
3-75-P	84	90	22.62	22.62	0.00	-28.69	313 (8)	3988 (8)	15613 (8)
3-76-P	84	90	22.62	22.62	0.00	-27.51	300 (8)	3824 (8)	14970 (8)
3-77-P	84	90	22.62	22.62	0.00	-26.33	287 (8)	3660 (8)	14327 (8)
3-78-P	84	90	22.62	22.62	0.00	-23.33	254 (8)	3242 (8)	12693 (8)
3-79-P	84	90	22.62	22.62	0.00	-20.33	221 (8)	2825 (8)	11060 (8)
3-80-P	84	90	22.62	22.62	0.00	-16.65	181 (8)	2315 (8)	9061 (8)
3-81-P	84	90	22.62	22.62	0.89	-13.87	151 (8)	1928 (8)	7547 (8)
4-1-P	84	90	18.10	18.10	1.12	-2.94	36 (8)	757 (8)	1990 (8)
4-2-P	84	90	18.10	18.10	1.54	-0.60	6 (5)	332 (5)	306 (5)
4-3-P	84	90	18.10	18.10	3.36	-0.23	31 (5)	1711 (5)	856 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-4-P	84	90	18.10	18.10	5.12	-0.46	73 (8)	4050 (8)	1651 (8)
4-5-P	84	90	18.10	18.10	8.25	-0.74	118 (8)	6522 (8)	2095 (8)
4-6-P	84	90	18.10	18.10	7.21	-1.09	103 (8)	5702 (8)	2214 (8)
4-7-P	84	90	18.10	18.10	16.71	0.00	90 (5)	5017 (5)	2550 (5)
4-8-P	84	90	18.10	18.10	19.48	0.00	89 (5)	4950 (5)	2683 (5)
4-9-P	84	90	18.10	18.10	22.32	0.00	85 (5)	4715 (5)	3049 (5)
4-10-P	84	90	18.10	18.10	24.61	0.00	86 (5)	4764 (5)	3259 (5)
4-11-P	84	90	18.10	18.10	24.79	0.00	84 (5)	4683 (5)	3072 (5)
4-12-P	84	90	18.10	18.10	24.96	0.00	89 (5)	4931 (5)	3206 (5)
4-13-P	84	90	18.10	18.10	23.31	0.00	94 (5)	5217 (5)	3110 (5)
4-14-P	84	90	18.10	18.10	21.21	0.00	102 (5)	5636 (5)	3004 (5)
4-15-P	84	90	18.10	18.10	19.73	0.00	111 (5)	6167 (5)	2712 (5)
4-16-P	84	90	18.10	18.10	19.18	0.00	139 (5)	7707 (5)	2563 (5)
4-17-P	84	90	18.10	18.10	18.63	0.00	167 (5)	9257 (5)	2783 (5)
4-18-P	84	90	18.10	18.10	8.38	-1.68	134 (8)	7451 (8)	2995 (8)
4-19-P	84	90	18.10	18.10	6.46	-2.11	111 (8)	6131 (8)	3008 (8)
4-20-P	84	90	18.10	18.10	5.27	-2.55	90 (8)	5002 (8)	3296 (8)
4-21-P	84	90	18.10	18.10	4.51	-2.93	83 (8)	4584 (8)	3475 (8)
4-22-P	84	90	18.10	18.10	3.88	-3.27	83 (8)	4600 (8)	3873 (8)
4-23-P	84	90	18.10	18.10	3.64	-3.28	78 (8)	4322 (8)	3892 (8)
4-24-P	84	90	18.10	18.10	3.46	-3.35	81 (8)	4481 (8)	4337 (8)
4-25-P	84	90	18.10	18.10	3.68	-3.10	86 (8)	4762 (8)	4408 (8)
4-26-P	84	90	18.10	18.10	4.05	-2.81	87 (8)	4802 (8)	4004 (8)
4-27-P	84	90	18.10	18.10	4.91	-2.53	97 (8)	5378 (8)	3999 (8)
4-28-P	84	90	18.10	18.10	6.55	-2.28	129 (8)	7175 (8)	4059 (8)
4-29-P	84	90	18.10	18.10	8.27	-2.11	152 (8)	8404 (8)	3748 (8)
4-30-P	84	90	18.10	18.10	6.40	-2.43	117 (8)	6504 (8)	3847 (8)
4-31-P	84	90	18.10	18.10	4.65	-2.88	92 (8)	5093 (8)	3729 (8)
4-32-P	84	90	18.10	18.10	3.66	-3.35	78 (8)	4344 (8)	3971 (8)
4-33-P	84	90	18.10	18.10	3.11	-3.77	81 (8)	4030 (8)	4466 (8)
4-34-P	84	90	18.10	18.10	2.70	-4.13	88 (8)	3837 (8)	4900 (8)
4-35-P	84	90	18.10	18.10	2.63	-4.13	88 (8)	3744 (8)	4903 (8)
4-36-P	84	90	18.10	18.10	2.61	-4.18	89 (8)	3710 (8)	4954 (8)
4-37-P	84	90	18.10	18.10	2.93	-3.85	82 (8)	3787 (8)	4566 (8)
4-38-P	84	90	18.10	18.10	3.37	-3.47	74 (8)	3997 (8)	4111 (8)
4-39-P	84	90	18.10	18.10	4.25	-3.03	84 (8)	4657 (8)	3925 (8)
4-40-P	84	90	18.10	18.10	5.92	-2.65	117 (8)	6480 (8)	4193 (8)
4-41-P	84	90	18.10	18.10	7.67	-2.35	141 (8)	7795 (8)	4184 (8)
4-42-P	84	90	18.10	18.10	5.92	-2.65	117 (8)	6480 (8)	4193 (8)
4-43-P	84	90	18.10	18.10	4.25	-3.03	84 (8)	4657 (8)	3925 (8)
4-44-P	84	90	18.10	18.10	3.37	-3.47	74 (8)	3997 (8)	4111 (8)
4-45-P	84	90	18.10	18.10	2.93	-3.85	82 (8)	3787 (8)	4566 (8)
4-46-P	84	90	18.10	18.10	2.61	-4.18	89 (8)	3710 (8)	4954 (8)
4-47-P	84	90	18.10	18.10	2.63	-4.13	88 (8)	3744 (8)	4903 (8)
4-48-P	84	90	18.10	18.10	2.70	-4.13	88 (8)	3837 (8)	4900 (8)
4-49-P	84	90	18.10	18.10	3.11	-3.77	81 (8)	4030 (8)	4466 (8)
4-50-P	84	90	18.10	18.10	3.66	-3.35	78 (8)	4344 (8)	3971 (8)
4-51-P	84	90	18.10	18.10	4.65	-2.88	92 (8)	5093 (8)	3729 (8)
4-52-P	84	90	18.10	18.10	6.40	-2.43	117 (8)	6504 (8)	3847 (8)
4-53-P	84	90	18.10	18.10	8.27	-2.11	152 (8)	8404 (8)	3748 (8)
4-54-P	84	90	18.10	18.10	6.55	-2.28	129 (8)	7175 (8)	4059 (8)
4-55-P	84	90	18.10	18.10	4.91	-2.53	97 (8)	5378 (8)	3999 (8)
4-56-P	84	90	18.10	18.10	4.05	-2.81	87 (8)	4802 (8)	4004 (8)
4-57-P	84	90	18.10	18.10	3.68	-3.10	86 (8)	4762 (8)	4408 (8)
4-58-P	84	90	18.10	18.10	3.46	-3.35	81 (8)	4481 (8)	4337 (8)
4-59-P	84	90	18.10	18.10	3.64	-3.28	78 (8)	4322 (8)	3892 (8)
4-60-P	84	90	18.10	18.10	3.88	-3.27	83 (8)	4600 (8)	3873 (8)
4-61-P	84	90	18.10	18.10	4.51	-2.93	83 (8)	4584 (8)	3475 (8)
4-62-P	84	90	18.10	18.10	5.27	-2.55	90 (8)	5002 (8)	3296 (8)
4-63-P	84	90	18.10	18.10	6.46	-2.11	111 (8)	6131 (8)	3008 (8)
4-64-P	84	90	18.10	18.10	8.38	-1.68	134 (8)	7451 (8)	2995 (8)
4-65-P	84	90	18.10	18.10	18.63	0.00	167 (5)	9257 (5)	2783 (5)
4-66-P	84	90	18.10	18.10	19.18	0.00	139 (5)	7707 (5)	2563 (5)
4-67-P	84	90	18.10	18.10	19.73	0.00	111 (5)	6167 (5)	2712 (5)
4-68-P	84	90	18.10	18.10	21.21	0.00	102 (5)	5636 (5)	3004 (5)
4-69-P	84	90	18.10	18.10	23.31	0.00	94 (5)	5217 (5)	3110 (5)
4-70-P	84	90	18.10	18.10	24.96	0.00	89 (5)	4931 (5)	3206 (5)
4-71-P	84	90	18.10	18.10	24.79	0.00	84 (5)	4683 (5)	3072 (5)
4-72-P	84	90	18.10	18.10	24.61	0.00	86 (5)	4764 (5)	3259 (5)
4-73-P	84	90	18.10	18.10	22.32	0.00	85 (5)	4715 (5)	3049 (5)
4-74-P	84	90	18.10	18.10	19.48	0.00	89 (5)	4950 (5)	2683 (5)
4-75-P	84	90	18.10	18.10	16.71	0.00	90 (5)	5017 (5)	2550 (5)
4-76-P	84	90	18.10	18.10	7.21	-1.09	103 (8)	5702 (8)	2214 (8)
4-77-P	84	90	18.10	18.10	8.25	-0.74	118 (8)	6522 (8)	2095 (8)
4-78-P	84	90	18.10	18.10	5.12	-0.46	73 (8)	4050 (8)	1651 (8)
4-79-P	84	90	18.10	18.10	3.36	-0.23	31 (5)	1711 (5)	856 (5)
4-80-P	84	90	18.10	18.10	1.54	-0.60	6 (5)	332 (5)	306 (5)
4-81-P	84	90	18.10	18.10	1.12	-2.94	36 (8)	757 (8)	1990 (8)
5-1-P	84	90	18.10	18.10	4.50	0.00	55 (8)	3048 (8)	691 (8)
5-2-P	84	90	18.10	18.10	2.31	-0.36	28 (8)	1566 (8)	739 (8)
5-3-P	84	90	18.10	18.10	5.73	-6.31	85 (8)	3884 (8)	4729 (8)
5-4-P	84	90	18.10	18.10	8.99	-4.42	162 (8)	6094 (8)	8984 (8)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-5-P	84	90	18.10	18.10	18.00	-8.27	303 (8)	12200 (8)	16819 (8)
5-6-P	84	90	18.10	18.10	15.54	-4.49	190 (8)	10534 (8)	9126 (8)
5-7-P	84	90	18.10	18.10	16.48	-4.10	201 (8)	11169 (8)	5837 (8)
5-8-P	84	90	18.10	18.10	20.34	-0.33	220 (5)	12178 (5)	2761 (5)
5-9-P	84	90	18.10	18.10	30.37	0.00	251 (5)	13924 (5)	3157 (5)
5-10-P	84	90	18.10	18.10	38.77	0.00	299 (5)	16563 (5)	3755 (5)
5-11-P	84	90	18.10	18.10	39.38	0.00	303 (5)	16787 (5)	3806 (5)
5-12-P	84	90	18.10	18.10	39.99	0.00	307 (5)	17012 (5)	3857 (5)
5-13-P	84	90	18.10	18.10	33.24	0.00	272 (5)	15092 (5)	3422 (5)
5-14-P	84	90	18.10	18.10	24.65	0.00	228 (5)	12636 (5)	2865 (5)
5-15-P	84	90	18.10	18.10	17.24	-0.30	211 (8)	11684 (8)	2649 (8)
5-16-P	84	90	18.10	18.10	19.39	-1.32	237 (8)	13137 (8)	4698 (8)
5-17-P	84	90	18.10	18.10	24.30	-5.11	297 (8)	16470 (8)	14552 (8)
5-18-P	84	90	18.10	18.10	20.05	-2.38	245 (8)	13586 (8)	6783 (8)
5-19-P	84	90	18.10	18.10	18.11	-1.97	221 (8)	12271 (8)	4002 (8)
5-20-P	84	90	18.10	18.10	22.94	0.00	220 (5)	12204 (5)	2767 (5)
5-21-P	84	90	18.10	18.10	31.17	0.00	256 (5)	14181 (5)	3215 (5)
5-22-P	84	90	18.10	18.10	37.67	0.00	288 (5)	15977 (5)	3623 (5)
5-23-P	84	90	18.10	18.10	37.25	0.00	285 (5)	15789 (5)	3580 (5)
5-24-P	84	90	18.10	18.10	36.83	0.00	281 (5)	15602 (5)	3538 (5)
5-25-P	84	90	18.10	18.10	29.52	0.00	242 (5)	13441 (5)	3048 (5)
5-26-P	84	90	18.10	18.10	20.48	0.00	195 (5)	10787 (5)	2446 (5)
5-27-P	84	90	18.10	18.10	15.24	-1.23	186 (8)	10330 (8)	3506 (8)
5-28-P	84	90	18.10	18.10	17.29	-2.21	211 (8)	11718 (8)	6303 (8)
5-29-P	84	90	18.10	18.10	22.05	-5.91	270 (8)	14942 (8)	14008 (8)
5-30-P	84	90	18.10	18.10	17.31	-2.61	212 (8)	11729 (8)	7434 (8)
5-31-P	84	90	18.10	18.10	15.19	-1.95	186 (8)	10297 (8)	3957 (8)
5-32-P	84	90	18.10	18.10	18.81	0.00	186 (5)	10291 (5)	2333 (5)
5-33-P	84	90	18.10	18.10	27.28	0.00	224 (5)	12411 (5)	2814 (5)
5-34-P	84	90	18.10	18.10	34.04	0.00	258 (5)	14316 (5)	3246 (5)
5-35-P	84	90	18.10	18.10	33.91	0.00	257 (5)	14256 (5)	3232 (5)
5-36-P	84	90	18.10	18.10	33.78	0.00	256 (5)	14195 (5)	3219 (5)
5-37-P	84	90	18.10	18.10	26.76	0.00	219 (5)	12167 (5)	2759 (5)
5-38-P	84	90	18.10	18.10	18.02	0.00	178 (5)	9860 (5)	2236 (5)
5-39-P	84	90	18.10	18.10	14.37	-1.84	176 (8)	9736 (8)	3746 (8)
5-40-P	84	90	18.10	18.10	16.46	-2.67	201 (8)	11154 (8)	7614 (8)
5-41-P	84	90	18.10	18.10	21.29	-6.24	267 (8)	14425 (8)	14804 (8)
5-42-P	84	90	18.10	18.10	16.46	-2.67	201 (8)	11154 (8)	7614 (8)
5-43-P	84	90	18.10	18.10	14.37	-1.84	176 (8)	9736 (8)	3746 (8)
5-44-P	84	90	18.10	18.10	18.02	0.00	178 (5)	9860 (5)	2236 (5)
5-45-P	84	90	18.10	18.10	26.76	0.00	219 (5)	12167 (5)	2759 (5)
5-46-P	84	90	18.10	18.10	33.78	0.00	256 (5)	14195 (5)	3219 (5)
5-47-P	84	90	18.10	18.10	33.91	0.00	257 (5)	14256 (5)	3232 (5)
5-48-P	84	90	18.10	18.10	34.04	0.00	258 (5)	14316 (5)	3246 (5)
5-49-P	84	90	18.10	18.10	27.28	0.00	224 (5)	12411 (5)	2814 (5)
5-50-P	84	90	18.10	18.10	18.81	0.00	186 (5)	10291 (5)	2333 (5)
5-51-P	84	90	18.10	18.10	15.19	-1.95	186 (8)	10297 (8)	3957 (8)
5-52-P	84	90	18.10	18.10	17.31	-2.61	212 (8)	11729 (8)	7434 (8)
5-53-P	84	90	18.10	18.10	22.05	-5.91	270 (8)	14942 (8)	14008 (8)
5-54-P	84	90	18.10	18.10	17.29	-2.21	211 (8)	11718 (8)	6303 (8)
5-55-P	84	90	18.10	18.10	15.24	-1.23	186 (8)	10330 (8)	3506 (8)
5-56-P	84	90	18.10	18.10	20.48	0.00	195 (5)	10787 (5)	2446 (5)
5-57-P	84	90	18.10	18.10	29.52	0.00	242 (5)	13441 (5)	3048 (5)
5-58-P	84	90	18.10	18.10	36.83	0.00	281 (5)	15602 (5)	3538 (5)
5-59-P	84	90	18.10	18.10	37.25	0.00	285 (5)	15789 (5)	3580 (5)
5-60-P	84	90	18.10	18.10	37.67	0.00	288 (5)	15977 (5)	3623 (5)
5-61-P	84	90	18.10	18.10	31.17	0.00	256 (5)	14181 (5)	3215 (5)
5-62-P	84	90	18.10	18.10	22.94	0.00	220 (5)	12204 (5)	2767 (5)
5-63-P	84	90	18.10	18.10	18.11	-1.97	221 (8)	12271 (8)	4002 (8)
5-64-P	84	90	18.10	18.10	20.05	-2.38	245 (8)	13586 (8)	6783 (8)
5-65-P	84	90	18.10	18.10	24.30	-5.11	297 (8)	16470 (8)	14552 (8)
5-66-P	84	90	18.10	18.10	19.39	-1.32	237 (8)	13137 (8)	4698 (8)
5-67-P	84	90	18.10	18.10	17.24	-0.30	211 (8)	11684 (8)	2649 (8)
5-68-P	84	90	18.10	18.10	24.65	0.00	228 (5)	12636 (5)	2865 (5)
5-69-P	84	90	18.10	18.10	33.24	0.00	272 (5)	15092 (5)	3422 (5)
5-70-P	84	90	18.10	18.10	39.99	0.00	307 (5)	17012 (5)	3857 (5)
5-71-P	84	90	18.10	18.10	39.38	0.00	303 (5)	16787 (5)	3806 (5)
5-72-P	84	90	18.10	18.10	38.77	0.00	299 (5)	16563 (5)	3755 (5)
5-73-P	84	90	18.10	18.10	30.37	0.00	251 (5)	13924 (5)	3157 (5)
5-74-P	84	90	18.10	18.10	20.34	-0.33	220 (5)	12178 (5)	2761 (5)
5-75-P	84	90	18.10	18.10	16.48	-4.10	201 (8)	11169 (8)	5837 (8)
5-76-P	84	90	18.10	18.10	15.54	-4.49	190 (8)	10534 (8)	9126 (8)
5-77-P	84	90	18.10	18.10	18.00	-8.27	303 (8)	12200 (8)	16819 (8)
5-78-P	84	90	18.10	18.10	8.99	-4.42	162 (8)	6094 (8)	8984 (8)
5-79-P	84	90	18.10	18.10	5.73	-6.31	85 (8)	3884 (8)	4729 (8)
5-80-P	84	90	18.10	18.10	2.31	-0.36	28 (8)	1566 (8)	739 (8)
5-81-P	84	90	18.10	18.10	4.50	0.00	55 (8)	3048 (8)	691 (8)
6-1-P	84	90	22.62	22.62	1.53	-5.96	81 (8)	1036 (8)	4056 (8)
6-2-P	84	90	22.62	22.62	0.41	-11.01	84 (5)	1075 (5)	4207 (5)
6-3-P	84	90	22.62	22.62	6.43	-13.92	152 (8)	3498 (8)	7574 (8)
6-4-P	84	90	22.62	22.62	0.00	-50.64	372 (5)	4747 (5)	18585 (5)
6-5-P	84	90	22.62	22.62	0.00	-83.42	653 (5)	8337 (5)	32638 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-6-P	84	90	22.62	22.62	0.00	-46.18	350 (5)	4470 (5)	17498 (5)
6-7-P	84	90	22.62	22.62	13.89	-15.97	174 (8)	7561 (8)	8692 (8)
6-8-P	84	90	22.62	22.62	19.37	-4.68	211 (8)	10542 (8)	2693 (8)
6-9-P	84	90	22.62	22.62	29.04	0.00	254 (5)	12695 (5)	3243 (5)
6-10-P	84	90	22.62	22.62	40.80	0.00	331 (5)	16510 (5)	4217 (5)
6-11-P	84	90	22.62	22.62	41.66	0.00	336 (5)	16797 (5)	4291 (5)
6-12-P	84	90	22.62	22.62	42.52	0.00	342 (5)	17084 (5)	4364 (5)
6-13-P	84	90	22.62	22.62	32.55	0.00	276 (5)	13808 (5)	3527 (5)
6-14-P	84	90	22.62	22.62	19.88	0.00	193 (5)	9643 (5)	2463 (5)
6-15-P	84	90	22.62	22.62	8.45	-6.33	92 (8)	4596 (8)	3446 (8)
6-16-P	84	90	22.62	22.62	0.00	-36.33	278 (5)	3544 (5)	13874 (5)
6-17-P	84	90	22.62	22.62	0.00	-71.11	573 (5)	7306 (5)	28602 (5)
6-18-P	84	90	22.62	22.62	0.00	-36.85	290 (5)	3705 (5)	14505 (5)
6-19-P	84	90	22.62	22.62	12.54	-11.22	137 (8)	6823 (8)	6107 (8)
6-20-P	84	90	22.62	22.62	18.65	-0.15	195 (5)	9762 (5)	2494 (5)
6-21-P	84	90	22.62	22.62	30.96	0.00	262 (5)	13107 (5)	3348 (5)
6-22-P	84	90	22.62	22.62	40.83	0.00	327 (5)	16314 (5)	4167 (5)
6-23-P	84	90	22.62	22.62	40.37	0.00	323 (5)	16143 (5)	4123 (5)
6-24-P	84	90	22.62	22.62	39.90	0.00	320 (5)	15971 (5)	4080 (5)
6-25-P	84	90	22.62	22.62	29.14	0.00	249 (5)	12433 (5)	3176 (5)
6-26-P	84	90	22.62	22.62	15.81	0.00	165 (5)	8224 (5)	2101 (5)
6-27-P	84	90	22.62	22.62	9.14	-10.23	111 (8)	4974 (8)	5568 (8)
6-28-P	84	90	22.62	22.62	0.00	-41.10	315 (5)	4024 (5)	15753 (5)
6-29-P	84	90	22.62	22.62	0.00	-76.08	610 (5)	7783 (5)	30469 (5)
6-30-P	84	90	22.62	22.62	0.00	-41.76	322 (5)	4111 (5)	16094 (5)
6-31-P	84	90	22.62	22.62	10.00	-12.00	131 (8)	5442 (8)	6530 (8)
6-32-P	84	90	22.62	22.62	14.81	-1.37	161 (8)	8058 (8)	2058 (8)
6-33-P	84	90	22.62	22.62	26.51	0.00	229 (5)	11450 (5)	2925 (5)
6-34-P	84	90	22.62	22.62	36.62	0.00	295 (5)	14748 (5)	3767 (5)
6-35-P	84	90	22.62	22.62	36.46	0.00	294 (5)	14688 (5)	3752 (5)
6-36-P	84	90	22.62	22.62	36.30	0.00	293 (5)	14629 (5)	3737 (5)
6-37-P	84	90	22.62	22.62	25.87	0.00	224 (5)	11211 (5)	2864 (5)
6-38-P	84	90	22.62	22.62	13.94	-1.16	152 (8)	7585 (8)	1938 (8)
6-39-P	84	90	22.62	22.62	9.20	-12.09	132 (8)	5009 (8)	6578 (8)
6-40-P	84	90	22.62	22.62	0.00	-43.37	333 (5)	4248 (5)	16630 (5)
6-41-P	84	90	22.62	22.62	0.00	-78.02	624 (5)	7968 (5)	31195 (5)
6-42-P	84	90	22.62	22.62	0.00	-43.37	333 (5)	4248 (5)	16630 (5)
6-43-P	84	90	22.62	22.62	9.20	-12.09	132 (8)	5009 (8)	6578 (8)
6-44-P	84	90	22.62	22.62	13.94	-1.16	152 (8)	7585 (8)	1938 (8)
6-45-P	84	90	22.62	22.62	25.87	0.00	224 (5)	11211 (5)	2864 (5)
6-46-P	84	90	22.62	22.62	36.30	0.00	293 (5)	14629 (5)	3737 (5)
6-47-P	84	90	22.62	22.62	36.46	0.00	294 (5)	14688 (5)	3752 (5)
6-48-P	84	90	22.62	22.62	36.62	0.00	295 (5)	14748 (5)	3767 (5)
6-49-P	84	90	22.62	22.62	26.51	0.00	229 (5)	11450 (5)	2925 (5)
6-50-P	84	90	22.62	22.62	14.81	-1.37	161 (8)	8058 (8)	2058 (8)
6-51-P	84	90	22.62	22.62	10.00	-12.00	131 (8)	5442 (8)	6530 (8)
6-52-P	84	90	22.62	22.62	0.00	-41.76	322 (5)	4111 (5)	16094 (5)
6-53-P	84	90	22.62	22.62	0.00	-76.08	610 (5)	7783 (5)	30469 (5)
6-54-P	84	90	22.62	22.62	0.00	-41.10	315 (5)	4024 (5)	15753 (5)
6-55-P	84	90	22.62	22.62	9.14	-10.23	111 (8)	4974 (8)	5568 (8)
6-56-P	84	90	22.62	22.62	15.81	0.00	165 (5)	8224 (5)	2101 (5)
6-57-P	84	90	22.62	22.62	29.14	0.00	249 (5)	12433 (5)	3176 (5)
6-58-P	84	90	22.62	22.62	39.90	0.00	320 (5)	15971 (5)	4080 (5)
6-59-P	84	90	22.62	22.62	40.37	0.00	323 (5)	16143 (5)	4123 (5)
6-60-P	84	90	22.62	22.62	40.83	0.00	327 (5)	16314 (5)	4167 (5)
6-61-P	84	90	22.62	22.62	30.96	0.00	262 (5)	13107 (5)	3348 (5)
6-62-P	84	90	22.62	22.62	18.65	-0.15	195 (5)	9762 (5)	2494 (5)
6-63-P	84	90	22.62	22.62	12.54	-11.22	137 (8)	6823 (8)	6107 (8)
6-64-P	84	90	22.62	22.62	0.00	-36.85	290 (5)	3705 (5)	14505 (5)
6-65-P	84	90	22.62	22.62	0.00	-71.11	573 (5)	7306 (5)	28602 (5)
6-66-P	84	90	22.62	22.62	0.00	-36.33	278 (5)	3544 (5)	13874 (5)
6-67-P	84	90	22.62	22.62	8.45	-6.33	92 (8)	4596 (8)	3446 (8)
6-68-P	84	90	22.62	22.62	19.88	0.00	193 (5)	9643 (5)	2463 (5)
6-69-P	84	90	22.62	22.62	32.55	0.00	276 (5)	13808 (5)	3527 (5)
6-70-P	84	90	22.62	22.62	42.52	0.00	342 (5)	17084 (5)	4364 (5)
6-71-P	84	90	22.62	22.62	41.66	0.00	336 (5)	16797 (5)	4291 (5)
6-72-P	84	90	22.62	22.62	40.80	0.00	331 (5)	16510 (5)	4217 (5)
6-73-P	84	90	22.62	22.62	29.04	0.00	254 (5)	12695 (5)	3243 (5)
6-74-P	84	90	22.62	22.62	19.37	-4.68	211 (8)	10542 (8)	2693 (8)
6-75-P	84	90	22.62	22.62	13.89	-15.97	174 (8)	7561 (8)	8692 (8)
6-76-P	84	90	22.62	22.62	0.00	-46.18	350 (5)	4470 (5)	17498 (5)
6-77-P	84	90	22.62	22.62	0.00	-83.42	653 (5)	8337 (5)	32638 (5)
6-78-P	84	90	22.62	22.62	0.00	-50.64	372 (5)	4747 (5)	18585 (5)
6-79-P	84	90	22.62	22.62	6.43	-13.92	152 (8)	3498 (8)	7574 (8)
6-80-P	84	90	22.62	22.62	0.41	-11.01	84 (5)	1075 (5)	4207 (5)
6-81-P	84	90	22.62	22.62	1.53	-5.96	81 (8)	1036 (8)	4056 (8)
7-1-S	100	90	22.62	22.62	0.08	-0.01	1 (5)	44 (5)	21 (5)
7-2-S	100	90	22.62	22.62	0.00	-1.03	10 (5)	130 (5)	558 (5)
7-3-S	100	90	22.62	22.62	0.00	-2.13	21 (5)	269 (5)	1158 (5)
7-4-S	100	90	22.62	22.62	0.00	-3.25	32 (5)	409 (5)	1761 (5)
7-5-S	100	90	22.62	22.62	0.00	-197.75	1977 (8)	24937 (8)	107292 (8)
7-6-S	100	90	22.62	22.62	0.00	-142.90	1429 (8)	18021 (8)	77535 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
7-7-S	100	90	22.62	22.62	0.00	-88.06	881 (8)	11105 (8)	47777 (8)
7-8-S	100	90	22.62	22.62	0.00	-45.09	451 (8)	5687 (8)	24466 (8)
7-9-S	100	90	22.62	22.62	88.53	0.00	42 (5)	532 (5)	2290 (5)
7-10-S	100	90	22.62	22.62	97.01	0.00	299 (5)	16211 (5)	3768 (5)
7-11-S	100	90	22.62	22.62	102.34	0.00	610 (5)	33109 (5)	7695 (5)
7-12-S	100	90	22.62	22.62	99.94	0.00	852 (5)	46251 (5)	10750 (5)
7-13-S	100	90	22.62	22.62	104.94	-0.01	1049 (8)	56935 (8)	13233 (8)
7-14-S	100	90	22.62	22.62	98.55	-0.08	985 (8)	53473 (8)	12428 (8)
7-15-S	100	90	22.62	22.62	64.00	-0.90	640 (8)	34724 (8)	8071 (8)
7-16-S	100	90	22.62	22.62	35.07	-6.78	433 (8)	23508 (8)	5464 (8)
7-17-S	100	90	22.62	22.62	19.27	-24.65	311 (8)	16890 (8)	13373 (8)
7-18-S	100	90	22.62	22.62	13.12	-21.57	219 (8)	11867 (8)	11705 (8)
7-19-S	100	90	22.62	22.62	6.86	-6.50	114 (8)	6204 (8)	4408 (8)
8-1-S	100	90	22.62	22.62	0.02	-0.01	0 (5)	12 (5)	11 (5)
8-2-S	100	90	22.62	22.62	0.00	-1.15	12 (5)	145 (5)	626 (5)
8-3-S	100	90	22.62	22.62	0.00	-2.32	23 (5)	293 (5)	1259 (5)
8-4-S	100	90	22.62	22.62	0.00	-3.49	35 (5)	440 (5)	1893 (5)
8-5-S	100	90	22.62	22.62	0.00	-205.18	2052 (8)	25875 (8)	111327 (8)
8-6-S	100	90	22.62	22.62	0.00	-151.23	1512 (8)	19071 (8)	82054 (8)
8-7-S	100	90	22.62	22.62	0.00	-97.28	973 (8)	12267 (8)	52780 (8)
8-8-S	100	90	22.62	22.62	0.00	-53.85	538 (8)	6790 (8)	29215 (8)
8-9-S	100	90	22.62	22.62	80.01	0.00	120 (5)	1516 (5)	6522 (5)
8-10-S	100	90	22.62	22.62	89.83	0.00	222 (5)	12068 (5)	2805 (5)
8-11-S	100	90	22.62	22.62	96.86	0.00	531 (5)	28796 (5)	6693 (5)
8-12-S	100	90	22.62	22.62	96.85	0.00	782 (5)	42459 (5)	9869 (5)
8-13-S	100	90	22.62	22.62	99.61	-0.04	996 (8)	54046 (8)	12562 (8)
8-14-S	100	90	22.62	22.62	94.47	-0.49	945 (8)	51259 (8)	11914 (8)
8-15-S	100	90	22.62	22.62	61.90	-3.29	619 (8)	33586 (8)	7806 (8)
8-16-S	100	90	22.62	22.62	35.94	-11.87	449 (8)	24375 (8)	6442 (8)
8-17-S	100	90	22.62	22.62	21.70	-30.50	381 (8)	19625 (8)	20684 (8)
8-18-S	100	90	22.62	22.62	14.39	-27.11	300 (8)	12617 (8)	16258 (8)
8-19-S	100	90	22.62	22.62	8.47	-11.08	141 (8)	7662 (8)	6010 (8)
9-1-S	100	90	22.62	22.62	0.00	-0.03	0 (5)	3 (5)	14 (5)
9-2-S	100	90	22.62	22.62	0.00	-1.14	11 (5)	144 (5)	619 (5)
9-3-S	100	90	22.62	22.62	0.00	-2.25	23 (5)	284 (5)	1223 (5)
9-4-S	100	90	22.62	22.62	0.00	-3.37	34 (5)	425 (5)	1828 (5)
9-5-S	100	90	22.62	22.62	0.00	-214.30	2143 (8)	27025 (8)	116272 (8)
9-6-S	100	90	22.62	22.62	0.00	-160.50	1605 (8)	20241 (8)	87084 (8)
9-7-S	100	90	22.62	22.62	0.00	-106.71	1067 (8)	13457 (8)	57896 (8)
9-8-S	100	90	22.62	22.62	0.00	-64.34	643 (8)	8114 (8)	34910 (8)
9-9-S	100	90	22.62	22.62	0.00	-23.71	237 (8)	2989 (8)	12862 (8)
9-10-S	100	90	22.62	22.62	74.38	0.00	66 (5)	3606 (5)	838 (5)
9-11-S	100	90	22.62	22.62	78.54	0.00	302 (5)	16373 (5)	3806 (5)
9-12-S	100	90	22.62	22.62	76.32	0.00	453 (5)	24600 (5)	5718 (5)
9-13-S	100	90	22.62	22.62	69.95	0.00	542 (5)	29403 (5)	6834 (5)
9-14-S	100	90	22.62	22.62	60.18	0.00	554 (5)	30073 (5)	6990 (5)
9-15-S	100	90	22.62	22.62	48.23	0.00	482 (8)	26170 (8)	6082 (8)
9-16-S	100	90	22.62	22.62	38.55	0.00	385 (8)	20916 (8)	4861 (8)
9-17-S	100	90	22.62	22.62	24.11	0.00	241 (8)	13080 (8)	3040 (8)
9-18-S	100	90	22.62	22.62	14.29	0.00	143 (8)	7756 (8)	1803 (8)
9-19-S	100	90	22.62	22.62	6.74	0.00	67 (8)	3659 (8)	851 (8)
10-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	8 (5)
10-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	623 (5)
10-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
10-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
10-5-S	100	90	22.62	22.62	0.00	-224.75	2247 (8)	28343 (8)	121943 (8)
10-6-S	100	90	22.62	22.62	0.00	-169.31	1693 (8)	21351 (8)	91862 (8)
10-7-S	100	90	22.62	22.62	0.00	-113.87	1139 (8)	14360 (8)	61782 (8)
10-8-S	100	90	22.62	22.62	0.00	-68.94	689 (8)	8694 (8)	37403 (8)
10-9-S	100	90	22.62	22.62	0.00	-25.59	256 (8)	3228 (8)	13887 (8)
10-10-S	100	90	22.62	22.62	76.49	0.00	99 (5)	5358 (5)	1245 (5)
10-11-S	100	90	22.62	22.62	86.48	0.00	425 (5)	23081 (5)	5365 (5)
10-12-S	100	90	22.62	22.62	88.68	0.00	689 (5)	37373 (5)	8686 (5)
10-13-S	100	90	22.62	22.62	91.07	0.00	911 (8)	49411 (8)	11484 (8)
10-14-S	100	90	22.62	22.62	87.13	0.00	871 (8)	47273 (8)	10988 (8)
10-15-S	100	90	22.62	22.62	54.28	-0.03	543 (8)	29449 (8)	6845 (8)
10-16-S	100	90	22.62	22.62	29.23	-7.22	365 (8)	19827 (8)	6530 (8)
10-17-S	100	90	22.62	22.62	18.72	-27.64	461 (8)	16928 (8)	24990 (8)
10-18-S	100	90	22.62	22.62	11.99	-24.41	427 (8)	11389 (8)	23177 (8)
10-19-S	100	90	22.62	22.62	5.61	-8.23	103 (8)	5073 (8)	5581 (8)
11-1-S	100	90	22.62	22.62	0.03	-0.01	0 (5)	17 (5)	4 (5)
11-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
11-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
11-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
11-5-S	100	90	22.62	22.62	0.00	-232.03	2320 (8)	29261 (8)	125892 (8)
11-6-S	100	90	22.62	22.62	0.00	-175.95	1759 (8)	22188 (8)	95465 (8)
11-7-S	100	90	22.62	22.62	0.00	-119.87	1199 (8)	15116 (8)	65037 (8)
11-8-S	100	90	22.62	22.62	0.00	-74.32	743 (8)	9372 (8)	40322 (8)
11-9-S	100	90	22.62	22.62	0.00	-30.36	304 (8)	3828 (8)	16470 (8)
11-10-S	100	90	22.62	22.62	70.84	0.00	74 (5)	4019 (5)	1532 (5)
11-11-S	100	90	22.62	22.62	81.82	0.00	390 (5)	21143 (5)	4914 (5)
11-12-S	100	90	22.62	22.62	84.92	0.00	659 (5)	35745 (5)	8308 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-13-S	100	90	22.62	22.62	88.63	0.00	886 (8)	48086 (8)	11177 (8)
11-14-S	100	90	22.62	22.62	85.30	-0.09	853 (8)	46283 (8)	10757 (8)
11-15-S	100	90	22.62	22.62	54.60	-1.77	546 (8)	29626 (8)	6886 (8)
11-16-S	100	90	22.62	22.62	31.47	-10.41	393 (8)	21345 (8)	7058 (8)
11-17-S	100	90	22.62	22.62	19.26	-28.72	359 (8)	17415 (8)	19476 (8)
11-18-S	100	90	22.62	22.62	12.62	-25.32	332 (8)	11063 (8)	18032 (8)
11-19-S	100	90	22.62	22.62	6.83	-9.54	114 (8)	6175 (8)	5178 (8)
12-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
12-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
12-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
12-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
12-5-S	100	90	22.62	22.62	0.00	-236.10	2361 (8)	29774 (8)	128101 (8)
12-6-S	100	90	22.62	22.62	0.00	-180.37	1804 (8)	22747 (8)	97866 (8)
12-7-S	100	90	22.62	22.62	0.00	-124.65	1246 (8)	15719 (8)	67631 (8)
12-8-S	100	90	22.62	22.62	0.00	-80.47	805 (8)	10148 (8)	43662 (8)
12-9-S	100	90	22.62	22.62	0.00	-38.04	380 (8)	4797 (8)	20640 (8)
12-10-S	100	90	22.62	22.62	57.82	0.00	74 (5)	937 (5)	4033 (5)
12-11-S	100	90	22.62	22.62	64.99	0.00	193 (5)	10499 (5)	2440 (5)
12-12-S	100	90	22.62	22.62	65.44	0.00	362 (5)	19645 (5)	4566 (5)
12-13-S	100	90	22.62	22.62	61.50	0.00	467 (5)	25346 (5)	5891 (5)
12-14-S	100	90	22.62	22.62	53.89	0.00	495 (5)	26883 (5)	6248 (5)
12-15-S	100	90	22.62	22.62	43.89	0.00	439 (8)	23812 (8)	5535 (8)
12-16-S	100	90	22.62	22.62	35.64	0.00	356 (8)	19337 (8)	4494 (8)
12-17-S	100	90	22.62	22.62	22.44	0.00	224 (8)	12175 (8)	2830 (8)
12-18-S	100	90	22.62	22.62	13.39	0.00	134 (8)	7268 (8)	1689 (8)
12-19-S	100	90	22.62	22.62	6.38	0.00	64 (8)	3462 (8)	805 (8)
13-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
13-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
13-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
13-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
13-5-S	100	90	22.62	22.62	0.00	-239.93	2399 (8)	30257 (8)	130178 (8)
13-6-S	100	90	22.62	22.62	0.00	-183.38	1834 (8)	23126 (8)	99498 (8)
13-7-S	100	90	22.62	22.62	0.00	-126.83	1268 (8)	15995 (8)	68817 (8)
13-8-S	100	90	22.62	22.62	0.00	-80.70	807 (8)	10177 (8)	43788 (8)
13-9-S	100	90	22.62	22.62	0.00	-36.15	361 (8)	4559 (8)	19614 (8)
13-10-S	100	90	22.62	22.62	63.59	0.00	30 (5)	1602 (5)	1635 (5)
13-11-S	100	90	22.62	22.62	75.56	0.00	345 (5)	18697 (5)	4346 (5)
13-12-S	100	90	22.62	22.62	79.64	0.00	620 (5)	33659 (5)	7823 (5)
13-13-S	100	90	22.62	22.62	85.45	0.00	854 (8)	46363 (8)	10776 (8)
13-14-S	100	90	22.62	22.62	82.69	0.00	827 (8)	44864 (8)	10428 (8)
13-15-S	100	90	22.62	22.62	51.75	-0.82	517 (8)	28077 (8)	6526 (8)
13-16-S	100	90	22.62	22.62	28.90	-9.14	361 (8)	19598 (8)	6199 (8)
13-17-S	100	90	22.62	22.62	18.36	-28.59	476 (8)	16604 (8)	25851 (8)
13-18-S	100	90	22.62	22.62	11.92	-25.04	351 (8)	11321 (8)	19021 (8)
13-19-S	100	90	22.62	22.62	6.10	-8.97	112 (8)	5513 (8)	6085 (8)
14-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
14-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
14-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
14-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
14-5-S	100	90	22.62	22.62	0.00	-241.69	2417 (8)	30479 (8)	131134 (8)
14-6-S	100	90	22.62	22.62	0.00	-185.10	1851 (8)	23343 (8)	100431 (8)
14-7-S	100	90	22.62	22.62	0.00	-128.52	1285 (8)	16207 (8)	69729 (8)
14-8-S	100	90	22.62	22.62	0.00	-82.29	823 (8)	10378 (8)	44649 (8)
14-9-S	100	90	22.62	22.62	0.00	-37.64	376 (8)	4746 (8)	20420 (8)
14-10-S	100	90	22.62	22.62	61.67	0.00	41 (5)	1656 (5)	2200 (5)
14-11-S	100	90	22.62	22.62	73.85	0.00	332 (5)	18038 (5)	4192 (5)
14-12-S	100	90	22.62	22.62	78.15	0.00	610 (5)	33083 (5)	7689 (5)
14-13-S	100	90	22.62	22.62	84.56	0.00	845 (8)	45877 (8)	10663 (8)
14-14-S	100	90	22.62	22.62	82.03	-0.07	820 (8)	44510 (8)	10345 (8)
14-15-S	100	90	22.62	22.62	51.88	-1.51	519 (8)	28151 (8)	6543 (8)
14-16-S	100	90	22.62	22.62	29.58	-10.22	370 (8)	20063 (8)	6930 (8)
14-17-S	100	90	22.62	22.62	18.52	-28.98	362 (8)	16744 (8)	19652 (8)
14-18-S	100	90	22.62	22.62	12.11	-25.36	333 (8)	11503 (8)	18062 (8)
14-19-S	100	90	22.62	22.62	6.41	-9.34	117 (8)	5798 (8)	6337 (8)
15-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
15-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
15-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
15-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
15-5-S	100	90	22.62	22.62	0.00	-241.82	2418 (8)	30495 (8)	131204 (8)
15-6-S	100	90	22.62	22.62	0.00	-185.91	1859 (8)	23445 (8)	100872 (8)
15-7-S	100	90	22.62	22.62	0.00	-130.01	1300 (8)	16395 (8)	70540 (8)
15-8-S	100	90	22.62	22.62	0.00	-85.50	855 (8)	10783 (8)	46392 (8)
15-9-S	100	90	22.62	22.62	0.00	-42.72	427 (8)	5387 (8)	23179 (8)
15-10-S	100	90	22.62	22.62	51.83	0.00	115 (5)	1452 (5)	6248 (5)
15-11-S	100	90	22.62	22.62	59.67	0.00	156 (5)	8443 (5)	1962 (5)
15-12-S	100	90	22.62	22.62	60.83	0.00	329 (5)	17860 (5)	4151 (5)
15-13-S	100	90	22.62	22.62	57.65	0.00	439 (5)	23846 (5)	5542 (5)
15-14-S	100	90	22.62	22.62	50.78	0.00	473 (5)	25669 (5)	5966 (5)
15-15-S	100	90	22.62	22.62	42.18	0.00	422 (8)	22884 (8)	5319 (8)
15-16-S	100	90	22.62	22.62	34.44	0.00	344 (8)	18687 (8)	4343 (8)
15-17-S	100	90	22.62	22.62	21.73	0.00	217 (8)	11788 (8)	2740 (8)
15-18-S	100	90	22.62	22.62	13.00	0.00	130 (8)	7051 (8)	1639 (8)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
15-19-S	100	90	22.62	22.62	6.21	0.00	62 (8)	3372 (8)	784 (8)
16-1-S	100	90	27.14	27.14	0.01	-0.01	0 (5)	6 (5)	6 (5)
16-2-S	100	90	27.14	27.14	0.00	-1.15	10 (5)	133 (5)	520 (5)
16-3-S	100	90	27.14	27.14	0.00	-2.30	21 (5)	267 (5)	1041 (5)
16-4-S	100	90	27.14	27.14	0.00	-3.45	31 (5)	400 (5)	1563 (5)
16-5-S	100	90	27.14	27.14	0.00	-243.03	2211 (8)	28226 (8)	110211 (8)
16-6-S	100	90	27.14	27.14	0.00	-186.45	1696 (8)	21654 (8)	84551 (8)
16-7-S	100	90	27.14	27.14	0.00	-129.86	1182 (8)	15082 (8)	58891 (8)
16-8-S	100	90	27.14	27.14	0.00	-83.59	761 (8)	9708 (8)	37907 (8)
16-9-S	100	90	27.14	27.14	0.00	-38.88	354 (8)	4515 (8)	17629 (8)
16-10-S	100	90	27.14	27.14	60.06	0.00	40 (5)	882 (5)	1989 (5)
16-11-S	100	90	27.14	27.14	72.38	0.00	293 (5)	14601 (5)	3739 (5)
16-12-S	100	90	27.14	27.14	76.84	0.00	546 (5)	27231 (5)	6974 (5)
16-13-S	100	90	27.14	27.14	83.76	0.00	762 (8)	37985 (8)	9728 (8)
16-14-S	100	90	27.14	27.14	81.36	-0.05	740 (8)	36897 (8)	9450 (8)
16-15-S	100	90	27.14	27.14	51.21	-1.34	466 (8)	23223 (8)	5948 (8)
16-16-S	100	90	27.14	27.14	29.01	-10.00	330 (8)	16443 (8)	5671 (8)
16-17-S	100	90	27.14	27.14	18.30	-28.97	330 (8)	13828 (8)	16424 (8)
16-18-S	100	90	27.14	27.14	11.97	-25.34	303 (8)	9499 (8)	15084 (8)
16-19-S	100	90	27.14	27.14	6.26	-9.25	105 (8)	4731 (8)	5241 (8)
17-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
17-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
17-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
17-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
17-5-S	100	90	22.62	22.62	0.00	-243.03	2430 (8)	30648 (8)	131862 (8)
17-6-S	100	90	22.62	22.62	0.00	-186.45	1864 (8)	23512 (8)	101161 (8)
17-7-S	100	90	22.62	22.62	0.00	-129.86	1299 (8)	16377 (8)	70461 (8)
17-8-S	100	90	22.62	22.62	0.00	-83.59	836 (8)	10541 (8)	45354 (8)
17-9-S	100	90	22.62	22.62	0.00	-38.88	389 (8)	4903 (8)	21093 (8)
17-10-S	100	90	22.62	22.62	60.06	0.00	44 (5)	1055 (5)	2379 (5)
17-11-S	100	90	22.62	22.62	72.38	0.00	322 (5)	17469 (5)	4060 (5)
17-12-S	100	90	22.62	22.62	76.84	0.00	600 (5)	32581 (5)	7573 (5)
17-13-S	100	90	22.62	22.62	83.76	0.00	838 (8)	45448 (8)	10563 (8)
17-14-S	100	90	22.62	22.62	81.36	-0.05	814 (8)	44145 (8)	10261 (8)
17-15-S	100	90	22.62	22.62	51.21	-1.34	512 (8)	27785 (8)	6458 (8)
17-16-S	100	90	22.62	22.62	29.01	-10.00	363 (8)	19673 (8)	6785 (8)
17-17-S	100	90	22.62	22.62	18.30	-28.97	362 (8)	16545 (8)	19651 (8)
17-18-S	100	90	22.62	22.62	11.97	-25.34	333 (8)	11365 (8)	18047 (8)
17-19-S	100	90	22.62	22.62	6.26	-9.25	116 (8)	5661 (8)	6271 (8)
18-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
18-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
18-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
18-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
18-5-S	100	90	22.62	22.62	0.00	-241.82	2418 (8)	30495 (8)	131204 (8)
18-6-S	100	90	22.62	22.62	0.00	-185.91	1859 (8)	23445 (8)	100872 (8)
18-7-S	100	90	22.62	22.62	0.00	-130.01	1300 (8)	16395 (8)	70540 (8)
18-8-S	100	90	22.62	22.62	0.00	-85.50	855 (8)	10783 (8)	46392 (8)
18-9-S	100	90	22.62	22.62	0.00	-42.72	427 (8)	5387 (8)	23179 (8)
18-10-S	100	90	22.62	22.62	51.83	0.00	115 (5)	1452 (5)	6248 (5)
18-11-S	100	90	22.62	22.62	59.67	0.00	156 (5)	8443 (5)	1962 (5)
18-12-S	100	90	22.62	22.62	60.83	0.00	329 (5)	17860 (5)	4151 (5)
18-13-S	100	90	22.62	22.62	57.65	0.00	439 (5)	23846 (5)	5542 (5)
18-14-S	100	90	22.62	22.62	50.78	0.00	473 (5)	25669 (5)	5966 (5)
18-15-S	100	90	22.62	22.62	42.18	0.00	422 (8)	22884 (8)	5319 (8)
18-16-S	100	90	22.62	22.62	34.44	0.00	344 (8)	18687 (8)	4343 (8)
18-17-S	100	90	22.62	22.62	21.73	0.00	217 (8)	11788 (8)	2740 (8)
18-18-S	100	90	22.62	22.62	13.00	0.00	130 (8)	7051 (8)	1639 (8)
18-19-S	100	90	22.62	22.62	6.21	0.00	62 (8)	3372 (8)	784 (8)
19-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
19-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
19-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
19-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
19-5-S	100	90	22.62	22.62	0.00	-241.69	2417 (8)	30479 (8)	131134 (8)
19-6-S	100	90	22.62	22.62	0.00	-185.10	1851 (8)	23343 (8)	100431 (8)
19-7-S	100	90	22.62	22.62	0.00	-128.52	1285 (8)	16207 (8)	69729 (8)
19-8-S	100	90	22.62	22.62	0.00	-82.29	823 (8)	10378 (8)	44649 (8)
19-9-S	100	90	22.62	22.62	0.00	-37.64	376 (8)	4746 (8)	20420 (8)
19-10-S	100	90	22.62	22.62	61.67	0.00	41 (5)	1656 (5)	2200 (5)
19-11-S	100	90	22.62	22.62	73.85	0.00	332 (5)	18038 (5)	4192 (5)
19-12-S	100	90	22.62	22.62	78.15	0.00	610 (5)	33083 (5)	7689 (5)
19-13-S	100	90	22.62	22.62	84.56	0.00	845 (8)	45877 (8)	10663 (8)
19-14-S	100	90	22.62	22.62	82.03	-0.07	820 (8)	44510 (8)	10345 (8)
19-15-S	100	90	22.62	22.62	51.88	-1.51	519 (8)	28151 (8)	6543 (8)
19-16-S	100	90	22.62	22.62	29.58	-10.22	370 (8)	20063 (8)	6930 (8)
19-17-S	100	90	22.62	22.62	18.52	-28.98	362 (8)	16744 (8)	19652 (8)
19-18-S	100	90	22.62	22.62	12.11	-25.36	333 (8)	11503 (8)	18062 (8)
19-19-S	100	90	22.62	22.62	6.41	-9.34	117 (8)	5798 (8)	6337 (8)
20-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	17 (5)	4 (5)
20-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	134 (5)	578 (5)
20-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
20-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
20-5-S	100	90	22.62	22.62	0.00	-239.93	2399 (8)	30257 (8)	130178 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
20-6-S	100	90	22.62	22.62	0.00	-183.38	1834 (8)	23126 (8)	99498 (8)
20-7-S	100	90	22.62	22.62	0.00	-126.83	1268 (8)	15995 (8)	68817 (8)
20-8-S	100	90	22.62	22.62	0.00	-80.70	807 (8)	10177 (8)	43788 (8)
20-9-S	100	90	22.62	22.62	0.00	-36.15	361 (8)	4559 (8)	19614 (8)
20-10-S	100	90	22.62	22.62	63.59	0.00	30 (5)	1602 (5)	1635 (5)
20-11-S	100	90	22.62	22.62	75.56	0.00	345 (5)	18697 (5)	4346 (5)
20-12-S	100	90	22.62	22.62	79.64	0.00	620 (5)	33659 (5)	7823 (5)
20-13-S	100	90	22.62	22.62	85.45	0.00	854 (8)	46363 (8)	10776 (8)
20-14-S	100	90	22.62	22.62	82.69	0.00	827 (8)	44864 (8)	10428 (8)
20-15-S	100	90	22.62	22.62	51.75	-0.82	517 (8)	28077 (8)	6526 (8)
20-16-S	100	90	22.62	22.62	28.90	-9.14	361 (8)	19598 (8)	6199 (8)
20-17-S	100	90	22.62	22.62	18.36	-28.59	476 (8)	16604 (8)	25851 (8)
20-18-S	100	90	22.62	22.62	11.92	-25.04	351 (8)	11321 (8)	19021 (8)
20-19-S	100	90	22.62	22.62	6.10	-8.97	112 (8)	5513 (8)	6085 (8)
21-1-S	100	90	22.62	22.62	0.01	-0.02	0 (5)	7 (5)	10 (5)
21-2-S	100	90	22.62	22.62	0.00	-1.12	11 (5)	141 (5)	605 (5)
21-3-S	100	90	22.62	22.62	0.00	-2.23	22 (5)	281 (5)	1208 (5)
21-4-S	100	90	22.62	22.62	0.00	-3.34	33 (5)	421 (5)	1810 (5)
21-5-S	100	90	22.62	22.62	0.00	-236.10	2361 (8)	29774 (8)	128101 (8)
21-6-S	100	90	22.62	22.62	0.00	-180.37	1804 (8)	22747 (8)	97866 (8)
21-7-S	100	90	22.62	22.62	0.00	-124.65	1246 (8)	15719 (8)	67631 (8)
21-8-S	100	90	22.62	22.62	0.00	-80.47	805 (8)	10148 (8)	43662 (8)
21-9-S	100	90	22.62	22.62	0.00	-38.04	380 (8)	4797 (8)	20640 (8)
21-10-S	100	90	22.62	22.62	57.82	0.00	74 (5)	937 (5)	4033 (5)
21-11-S	100	90	22.62	22.62	64.99	0.00	193 (5)	10499 (5)	2440 (5)
21-12-S	100	90	22.62	22.62	65.44	0.00	362 (5)	19645 (5)	4566 (5)
21-13-S	100	90	22.62	22.62	61.50	0.00	467 (5)	25346 (5)	5891 (5)
21-14-S	100	90	22.62	22.62	53.89	0.00	495 (5)	26883 (5)	6248 (5)
21-15-S	100	90	22.62	22.62	43.89	0.00	439 (8)	23812 (8)	5535 (8)
21-16-S	100	90	22.62	22.62	35.64	0.00	356 (8)	19337 (8)	4494 (8)
21-17-S	100	90	22.62	22.62	22.44	0.00	224 (8)	12175 (8)	2830 (8)
21-18-S	100	90	22.62	22.62	13.39	0.00	134 (8)	7268 (8)	1689 (8)
21-19-S	100	90	22.62	22.62	6.38	0.00	64 (8)	3462 (8)	805 (8)
22-1-S	100	90	22.62	22.62	0.01	-0.01	0 (5)	7 (5)	7 (5)
22-2-S	100	90	22.62	22.62	0.00	-1.15	11 (5)	145 (5)	622 (5)
22-3-S	100	90	22.62	22.62	0.00	-2.30	23 (5)	290 (5)	1246 (5)
22-4-S	100	90	22.62	22.62	0.00	-3.45	34 (5)	435 (5)	1870 (5)
22-5-S	100	90	22.62	22.62	0.00	-232.03	2320 (8)	29261 (8)	125892 (8)
22-6-S	100	90	22.62	22.62	0.00	-175.95	1759 (8)	22188 (8)	95465 (8)
22-7-S	100	90	22.62	22.62	0.00	-119.87	1199 (8)	15116 (8)	65037 (8)
22-8-S	100	90	22.62	22.62	0.00	-74.32	743 (8)	9372 (8)	40322 (8)
22-9-S	100	90	22.62	22.62	0.00	-30.36	304 (8)	3828 (8)	16470 (8)
22-10-S	100	90	22.62	22.62	70.84	0.00	74 (5)	4019 (5)	1532 (5)
22-11-S	100	90	22.62	22.62	81.82	0.00	390 (5)	21143 (5)	4914 (5)
22-12-S	100	90	22.62	22.62	84.92	0.00	659 (5)	35745 (5)	8308 (5)
22-13-S	100	90	22.62	22.62	88.63	0.00	886 (8)	48086 (8)	11177 (8)
22-14-S	100	90	22.62	22.62	85.30	-0.09	853 (8)	46283 (8)	10757 (8)
22-15-S	100	90	22.62	22.62	54.60	-1.77	546 (8)	29626 (8)	6886 (8)
22-16-S	100	90	22.62	22.62	31.47	-10.41	393 (8)	21345 (8)	7058 (8)
22-17-S	100	90	22.62	22.62	19.26	-28.72	359 (8)	17415 (8)	19476 (8)
22-18-S	100	90	22.62	22.62	12.62	-25.32	332 (8)	11063 (8)	18032 (8)
22-19-S	100	90	22.62	22.62	6.83	-9.54	114 (8)	6175 (8)	5178 (8)
23-1-S	100	90	22.62	22.62	0.03	0.00	0 (5)	18 (5)	4 (5)
23-2-S	100	90	22.62	22.62	0.00	-1.06	11 (5)	134 (5)	577 (5)
23-3-S	100	90	22.62	22.62	0.00	-2.16	22 (5)	272 (5)	1172 (5)
23-4-S	100	90	22.62	22.62	0.00	-3.26	33 (5)	411 (5)	1768 (5)
23-5-S	100	90	22.62	22.62	0.00	-224.75	2247 (8)	28343 (8)	121943 (8)
23-6-S	100	90	22.62	22.62	0.00	-169.31	1693 (8)	21351 (8)	91862 (8)
23-7-S	100	90	22.62	22.62	0.00	-113.87	1139 (8)	14360 (8)	61782 (8)
23-8-S	100	90	22.62	22.62	0.00	-68.94	689 (8)	8694 (8)	37403 (8)
23-9-S	100	90	22.62	22.62	0.00	-25.59	256 (8)	3228 (8)	13887 (8)
23-10-S	100	90	22.62	22.62	76.49	0.00	99 (5)	5358 (5)	1245 (5)
23-11-S	100	90	22.62	22.62	86.48	0.00	425 (5)	23081 (5)	5365 (5)
23-12-S	100	90	22.62	22.62	88.68	0.00	689 (5)	37373 (5)	8686 (5)
23-13-S	100	90	22.62	22.62	91.07	0.00	911 (8)	49411 (8)	11484 (8)
23-14-S	100	90	22.62	22.62	87.13	0.00	871 (8)	47273 (8)	10988 (8)
23-15-S	100	90	22.62	22.62	54.28	-0.03	543 (8)	29449 (8)	6845 (8)
23-16-S	100	90	22.62	22.62	29.23	-7.22	365 (8)	19827 (8)	6530 (8)
23-17-S	100	90	22.62	22.62	18.72	-27.64	461 (8)	16928 (8)	24990 (8)
23-18-S	100	90	22.62	22.62	11.99	-24.41	427 (8)	11389 (8)	23177 (8)
23-19-S	100	90	22.62	22.62	5.61	-8.23	103 (8)	5073 (8)	5581 (8)
24-1-S	100	90	22.62	22.62	0.01	0.00	0 (5)	6 (5)	1 (5)
24-2-S	100	90	22.62	22.62	0.00	-1.10	11 (5)	138 (5)	595 (5)
24-3-S	100	90	22.62	22.62	0.00	-2.20	22 (5)	278 (5)	1195 (5)
24-4-S	100	90	22.62	22.62	0.00	-3.31	33 (5)	417 (5)	1796 (5)
24-5-S	100	90	22.62	22.62	0.00	-214.30	2143 (8)	27025 (8)	116272 (8)
24-6-S	100	90	22.62	22.62	0.00	-160.50	1605 (8)	20241 (8)	87084 (8)
24-7-S	100	90	22.62	22.62	0.00	-106.71	1067 (8)	13457 (8)	57896 (8)
24-8-S	100	90	22.62	22.62	0.00	-64.34	643 (8)	8114 (8)	34910 (8)
24-9-S	100	90	22.62	22.62	0.00	-23.71	237 (8)	2989 (8)	12862 (8)
24-10-S	100	90	22.62	22.62	74.38	0.00	66 (5)	3606 (5)	838 (5)
24-11-S	100	90	22.62	22.62	78.54	0.00	302 (5)	16373 (5)	3806 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
24-12-S	100	90	22.62	22.62	76.32	0.00	453 (5)	24600 (5)	5718 (5)
24-13-S	100	90	22.62	22.62	69.95	0.00	542 (5)	29403 (5)	6834 (5)
24-14-S	100	90	22.62	22.62	60.18	0.00	554 (5)	30073 (5)	6990 (5)
24-15-S	100	90	22.62	22.62	48.23	0.00	482 (8)	26170 (8)	6082 (8)
24-16-S	100	90	22.62	22.62	38.55	0.00	385 (8)	20916 (8)	4861 (8)
24-17-S	100	90	22.62	22.62	24.11	0.00	241 (8)	13080 (8)	3040 (8)
24-18-S	100	90	22.62	22.62	14.29	0.00	143 (8)	7756 (8)	1803 (8)
24-19-S	100	90	22.62	22.62	6.74	0.00	67 (8)	3659 (8)	851 (8)
25-1-S	100	90	22.62	22.62	0.04	0.00	0 (5)	19 (5)	4 (5)
25-2-S	100	90	22.62	22.62	0.00	-1.07	11 (5)	135 (5)	579 (5)
25-3-S	100	90	22.62	22.62	0.00	-2.17	22 (5)	274 (5)	1178 (5)
25-4-S	100	90	22.62	22.62	0.00	-3.28	33 (5)	413 (5)	1778 (5)
25-5-S	100	90	22.62	22.62	0.00	-205.18	2052 (8)	25875 (8)	111327 (8)
25-6-S	100	90	22.62	22.62	0.00	-151.23	1512 (8)	19071 (8)	82054 (8)
25-7-S	100	90	22.62	22.62	0.00	-97.28	973 (8)	12267 (8)	52780 (8)
25-8-S	100	90	22.62	22.62	0.00	-53.85	538 (8)	6790 (8)	29215 (8)
25-9-S	100	90	22.62	22.62	80.01	0.00	120 (5)	1516 (5)	6522 (5)
25-10-S	100	90	22.62	22.62	89.83	0.00	222 (5)	12068 (5)	2805 (5)
25-11-S	100	90	22.62	22.62	96.86	0.00	531 (5)	28796 (5)	6693 (5)
25-12-S	100	90	22.62	22.62	96.85	0.00	782 (5)	42459 (5)	9869 (5)
25-13-S	100	90	22.62	22.62	99.61	-0.04	996 (8)	54046 (8)	12562 (8)
25-14-S	100	90	22.62	22.62	94.47	-0.49	945 (8)	51259 (8)	11914 (8)
25-15-S	100	90	22.62	22.62	61.90	-3.29	619 (8)	33586 (8)	7806 (8)
25-16-S	100	90	22.62	22.62	35.94	-11.87	449 (8)	24375 (8)	6442 (8)
25-17-S	100	90	22.62	22.62	21.70	-30.50	381 (8)	19625 (8)	20684 (8)
25-18-S	100	90	22.62	22.62	14.39	-27.11	300 (8)	12617 (8)	16258 (8)
25-19-S	100	90	22.62	22.62	8.47	-11.08	141 (8)	7662 (8)	6010 (8)
26-1-S	100	90	22.62	22.62	0.05	-0.02	0 (5)	25 (5)	27 (5)
26-2-S	100	90	22.62	22.62	0.00	-1.14	11 (5)	144 (5)	618 (5)
26-3-S	100	90	22.62	22.62	0.00	-2.31	23 (5)	291 (5)	1252 (5)
26-4-S	100	90	22.62	22.62	0.00	-3.48	35 (5)	439 (5)	1887 (5)
26-5-S	100	90	22.62	22.62	0.00	-197.75	1977 (8)	24937 (8)	107292 (8)
26-6-S	100	90	22.62	22.62	0.00	-142.90	1429 (8)	18021 (8)	77535 (8)
26-7-S	100	90	22.62	22.62	0.00	-88.06	881 (8)	11105 (8)	47777 (8)
26-8-S	100	90	22.62	22.62	0.00	-45.09	451 (8)	5687 (8)	24466 (8)
26-9-S	100	90	22.62	22.62	88.53	0.00	42 (5)	532 (5)	2290 (5)
26-10-S	100	90	22.62	22.62	97.01	0.00	299 (5)	16211 (5)	3768 (5)
26-11-S	100	90	22.62	22.62	102.34	0.00	610 (5)	33109 (5)	7695 (5)
26-12-S	100	90	22.62	22.62	99.94	0.00	852 (5)	46251 (5)	10750 (5)
26-13-S	100	90	22.62	22.62	104.94	-0.01	1049 (8)	56935 (8)	13233 (8)
26-14-S	100	90	22.62	22.62	98.55	-0.08	985 (8)	53473 (8)	12428 (8)
26-15-S	100	90	22.62	22.62	64.00	-0.90	640 (8)	34724 (8)	8071 (8)
26-16-S	100	90	22.62	22.62	35.07	-6.78	433 (8)	23508 (8)	5464 (8)
26-17-S	100	90	22.62	22.62	19.27	-24.65	311 (8)	16890 (8)	13373 (8)
26-18-S	100	90	22.62	22.62	13.12	-21.57	219 (8)	11867 (8)	11705 (8)
26-19-S	100	90	22.62	22.62	6.86	-6.50	114 (8)	6204 (8)	4408 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstf [kPa]
1	1	108.57	4703	57020		
1	2	108.57	3960	47843		
1	3	108.57	3281	40342		
1	4	108.57	2670	33516		
1	5	108.57	2138	27480		
1	6	108.57	1704	22436		
1	7	108.57	1373	18490		
1	8	108.57	1097	15186		
1	9	108.57	853	12254		
1	10	108.57	698	10375		
1	11	108.57	871	12413		
1	12	108.57	1018	14149		
1	13	108.57	1142	15605		
1	14	108.57	1244	16803		
1	15	108.57	1328	17774		
1	16	108.57	1397	18574		
1	17	108.57	1453	19207		
1	18	108.57	1495	19671		
1	19	108.57	1523	19969		
1	20	108.57	1537	20111		
1	21	108.57	1539	20108		
1	22	108.57	1530	19976		
1	23	108.57	1512	19730		
1	24	108.57	1485	19388		
1	25	108.57	1450	18963		
1	26	108.57	1411	18473		
1	27	108.57	1366	17931		
1	28	108.57	1319	17350		
1	29	108.57	1269	16742		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	30	108.57	1218	16119		
1	31	108.57	1167	15489		
1	32	108.57	1116	14862		
1	33	108.57	1066	14242		
1	34	108.57	1017	13636		
1	35	108.57	969	13044		
1	36	108.57	922	12466		
1	37	108.57	877	11900		
1	38	108.57	832	11350		
1	39	108.57	790	10817		
1	40	108.57	748	10303		
1	41	108.57	709	9809		
1	42	108.57	671	9337		
1	43	108.57	635	8886		
1	44	108.57	601	8457		
1	45	108.57	569	8049		
1	46	108.57	539	7664		
1	47	108.57	510	7300		
1	48	108.57	483	6956		
1	49	108.57	458	6633		
1	50	108.57	434	6330		
1	51	108.57	412	6045		
1	52	108.57	392	5778		
1	53	108.57	373	5528		
1	54	108.57	355	5294		
1	55	108.57	339	5076		
1	56	108.57	338	5041		
1	57	108.57	337	5012		
1	58	108.57	335	4971		
1	59	108.57	333	4919		
1	60	108.57	330	4857		
1	61	108.57	326	4785		
1	62	108.57	321	4705		
1	63	108.57	315	4617		
1	64	108.57	309	4522		
1	65	108.57	303	4421		
1	66	108.57	296	4315		
1	67	108.57	288	4203		
1	68	108.57	280	4088		
1	69	108.57	272	3969		
1	70	108.57	264	3847		
1	71	108.57	255	3723		
1	72	108.57	247	3596		
1	73	108.57	238	3468		
1	74	108.57	229	3339		
1	75	108.57	220	3208		
1	76	108.57	211	3077		
1	77	108.57	202	2946		
1	78	108.57	192	2814		
1	79	108.57	183	2683		
1	80	108.57	174	2551		
1	81	108.57	165	2420		
1	82	108.57	156	2290		
1	83	108.57	147	2160		
1	84	108.57	138	2032		
1	85	108.57	129	1904		
1	86	108.57	121	1776		
1	87	108.57	112	1650		
1	88	108.57	103	1525		
1	89	108.57	95	1401		
1	90	108.57	86	1278		
1	91	108.57	78	1157		
1	92	108.57	70	1036		
1	93	108.57	62	916		
1	94	108.57	54	798		
1	95	108.57	46	681		
1	96	108.57	38	564		
1	97	108.57	30	449		
1	98	108.57	22	335		
1	99	108.57	15	222		
1	100	108.57	7	111		
1	101	108.57	0	0		
2	1	106.44	4833	60198		
2	2	106.44	4112	52149		
2	3	106.44	3488	45075		
2	4	106.44	2973	39126		
2	5	106.44	2564	34320		
2	6	106.44	2226	30314		
2	7	106.44	1925	26733		
2	8	106.44	1657	23549		
2	9	106.44	1420	20737		
2	10	106.44	1272	18984		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	11	106.44	1455	21165		
2	12	106.44	1612	23042		
2	13	106.44	1746	24639		
2	14	106.44	1858	25976		
2	15	106.44	1951	27077		
2	16	106.44	2025	27962		
2	17	106.44	2082	28652		
2	18	106.44	2125	29166		
2	19	106.44	2155	29523		
2	20	106.44	2172	29739		
2	21	106.44	2180	29832		
2	22	106.44	2178	29817		
2	23	106.44	2169	29708		
2	24	106.44	2152	29519		
2	25	106.44	2130	29263		
2	26	106.44	2104	28950		
2	27	106.44	2073	28590		
2	28	106.44	2039	28194		
2	29	106.44	2003	27771		
2	30	106.44	1965	27326		
2	31	106.44	1926	26869		
2	32	106.44	1887	26403		
2	33	106.44	1847	25936		
2	34	106.44	1808	25472		
2	35	106.44	1769	25014		
2	36	106.44	1731	24567		
2	37	106.44	1694	24133		
2	38	106.44	1658	23714		
2	39	106.44	1624	23313		
2	40	106.44	1592	22931		
2	41	106.44	1561	22569		
2	42	106.44	1532	22228		
2	43	106.44	1504	21909		
2	44	106.44	1479	21612		
2	45	106.44	1455	21337		
2	46	106.44	1434	21083		
2	47	106.44	1414	20851		
2	48	106.44	1396	20640		
2	49	106.44	1379	20450		
2	50	106.44	1364	20279		
2	51	106.44	1351	20127		
2	52	106.44	1340	19993		
2	53	106.44	1329	19876		
2	54	106.44	1320	19775		
2	55	106.44	1313	19689		
2	56	106.44	1321	19789		
2	57	106.44	1329	19894		
2	58	106.44	1337	19987		
2	59	106.44	1343	20068		
2	60	106.44	1349	20139		
2	61	106.44	1353	20201		
2	62	106.44	1357	20255		
2	63	106.44	1361	20300		
2	64	106.44	1364	20339		
2	65	106.44	1366	20371		
2	66	106.44	1368	20399		
2	67	106.44	1369	20421		
2	68	106.44	1371	20439		
2	69	106.44	1371	20454		
2	70	106.44	1372	20465		
2	71	106.44	1372	20474		
2	72	106.44	1372	20481		
2	73	106.44	1372	20486		
2	74	106.44	1372	20490		
2	75	106.44	1372	20493		
2	76	106.44	1372	20495		
2	77	106.44	1372	20497		
2	78	106.44	1372	20499		
2	79	106.44	1371	20501		
2	80	106.44	1371	20503		
2	81	106.44	1371	20505		
2	82	106.44	1371	20508		
2	83	106.44	1371	20512		
2	84	106.44	1371	20517		
2	85	106.44	1371	20522		
2	86	106.44	1371	20528		
2	87	106.44	1371	20536		
2	88	106.44	1371	20544		
2	89	106.44	1372	20553		
2	90	106.44	1372	20564		
2	91	106.44	1373	20576		
2	92	106.44	1373	20588		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	93	106.44	1374	20602		
2	94	106.44	1375	20617		
2	95	106.44	1376	20633		
2	96	106.44	1377	20651		
2	97	106.44	1378	20669		
2	98	106.44	1379	20688		
2	99	106.44	1381	20709		
2	100	106.44	1382	20731		
2	101	106.44	1384	20754		

Verifica a fessurazione

Simbologia adottata

- n° indice sezione
- Y ordinata sezione espressa in [m]
- B larghezza sezione espresso in [cm]
- H altezza sezione espressa in [cm]
- Af area ferri zona tesa espresso in [cmq]
- Aeff area efficace espressa in [cmq]
- M momento agente espressa in [kNm]
- Mpf momento di formazione/apertura fessure espressa in [kNm]
- ε deformazione espresso in %
- Sm spaziatura tra le fessure espressa in [mm]
- w apertura delle fessure espressa in [mm]

Combinazioni SLER

Paramento

Apertura limite fessure $w_{lim}=0.20$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	0.00	0.00	0.00	0.00	---	---	0.000 (5)
2	100	31	22.62	1073.49	0.03	69.09	0.000000	0.00	0.000 (5)
3	100	31	22.62	1101.78	0.12	72.65	0.000000	0.00	0.000 (5)
4	100	32	22.62	1130.15	0.28	76.29	0.000000	0.00	0.000 (5)
5	100	33	22.62	1158.57	0.51	80.01	0.000000	0.00	0.000 (5)
6	100	34	22.62	1187.06	0.81	83.80	0.000000	0.00	0.000 (5)
7	100	34	22.62	1215.61	1.20	87.67	0.000000	0.00	0.000 (5)
8	100	35	22.62	1244.22	1.67	91.62	0.000000	0.00	0.000 (5)
9	100	36	22.62	1272.89	2.23	95.64	0.000000	0.00	0.000 (5)
10	100	37	22.62	1301.61	2.89	99.74	0.000000	0.00	0.000 (5)
11	100	37	22.62	1330.38	3.65	103.92	0.000000	0.00	0.000 (5)
12	100	38	22.62	1359.20	4.51	108.17	0.000000	0.00	0.000 (5)
13	100	39	22.62	1388.08	5.48	112.49	0.000000	0.00	0.000 (5)
14	100	40	22.62	1417.00	6.56	116.89	0.000000	0.00	0.000 (5)
15	100	40	22.62	1445.98	7.76	121.37	0.000000	0.00	0.000 (5)
16	100	41	22.62	1474.99	9.09	125.92	0.000000	0.00	0.000 (5)
17	100	42	22.62	1504.06	10.54	130.54	0.000000	0.00	0.000 (5)
18	100	42	22.62	1533.17	12.13	135.24	0.000000	0.00	0.000 (5)
19	100	43	22.62	1562.32	13.85	140.02	0.000000	0.00	0.000 (5)
20	100	44	22.62	1591.51	15.71	144.87	0.000000	0.00	0.000 (5)
21	100	45	22.62	1620.74	17.72	149.79	0.000000	0.00	0.000 (5)
22	100	45	22.62	1650.02	19.89	154.78	0.000000	0.00	0.000 (5)
23	100	46	22.62	1679.32	22.21	159.86	0.000000	0.00	0.000 (5)
24	100	47	22.62	1708.67	24.69	165.00	0.000000	0.00	0.000 (5)
25	100	48	22.62	1738.05	27.33	170.22	0.000000	0.00	0.000 (5)
26	100	48	22.62	1767.47	30.15	175.50	0.000000	0.00	0.000 (5)
27	100	49	22.62	1796.92	33.14	180.87	0.000000	0.00	0.000 (5)
28	100	50	22.62	1826.41	36.31	186.31	0.000000	0.00	0.000 (5)
29	100	51	22.62	1855.93	39.66	191.83	0.000000	0.00	0.000 (5)
30	100	51	22.62	1885.48	43.20	197.41	0.000000	0.00	0.000 (5)
31	100	52	22.62	1915.06	46.94	203.07	0.000000	0.00	0.000 (5)
32	100	53	22.62	1944.68	50.87	208.81	0.000000	0.00	0.000 (5)
33	100	53	22.62	1974.32	55.01	214.61	0.000000	0.00	0.000 (5)
34	100	54	22.62	2003.99	59.36	220.50	0.000000	0.00	0.000 (5)
35	100	55	22.62	2033.69	63.92	226.45	0.000000	0.00	0.000 (5)
36	100	56	22.62	2063.42	68.69	232.48	0.000000	0.00	0.000 (5)
37	100	56	22.62	2093.18	73.69	238.59	0.000000	0.00	0.000 (5)
38	100	57	22.62	2122.96	78.91	244.76	0.000000	0.00	0.000 (5)
39	100	58	22.62	2152.77	84.37	251.01	0.000000	0.00	0.000 (5)
40	100	59	22.62	2182.61	90.06	257.33	0.000000	0.00	0.000 (5)
41	100	59	22.62	2212.47	95.99	263.73	0.000000	0.00	0.000 (5)
42	100	60	22.62	2239.28	102.17	269.56	0.000000	0.00	0.000 (5)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.20$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	55	90	18.10	1386.00	-0.20	-340.21	0.000000	0.00	0.000
1-2-P	55	90	18.10	1386.00	-0.22	-340.21	0.000000	0.00	0.000
1-3-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-4-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-5-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-6-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-7-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-8-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-9-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-10-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-11-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-12-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-13-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-14-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-15-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-16-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-17-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-18-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-19-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-20-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-21-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-22-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-23-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-24-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-25-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-26-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-27-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-28-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-29-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-30-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-31-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-32-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-33-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-34-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-35-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-36-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-37-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-38-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-39-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-40-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-41-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-42-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-43-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-44-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-45-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-46-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-47-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-48-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-49-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-50-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-51-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-52-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-53-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-54-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-55-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-56-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-57-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-58-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-59-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-60-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-61-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-62-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-63-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-64-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-65-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-66-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-67-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-68-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-69-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-70-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-71-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-72-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-73-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-74-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-75-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-76-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-77-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-78-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
1-79-P	55	90	18.10	1386.00	-0.21	-340.21	0.000000	0.00	0.000
1-80-P	55	90	18.10	1386.00	-0.21	-340.21	0.000000	0.00	0.000
1-81-P	55	90	18.10	1386.00	-0.22	-340.21	0.000000	0.00	0.000
3-1-P	84	90	22.62	2110.50	1.75	-500.57	0.000000	0.00	0.000
3-2-P	84	90	22.62	2110.50	2.37	-500.57	0.000000	0.00	0.000
3-3-P	84	90	22.62	2110.50	3.17	-500.57	0.000000	0.00	0.000
3-4-P	84	90	22.62	2110.50	4.51	-500.57	0.000000	0.00	0.000
3-5-P	84	90	22.62	2110.50	5.93	-500.57	0.000000	0.00	0.000
3-6-P	84	90	22.62	2110.50	6.47	-500.57	0.000000	0.00	0.000
3-7-P	84	90	22.62	2110.50	7.07	-500.57	0.000000	0.00	0.000
3-8-P	84	90	22.62	2110.50	7.32	-500.57	0.000000	0.00	0.000
3-9-P	84	90	22.62	2110.50	7.34	-500.57	0.000000	0.00	0.000
3-10-P	84	90	22.62	2110.50	7.29	-500.57	0.000000	0.00	0.000
3-11-P	84	90	22.62	2110.50	6.87	-500.57	0.000000	0.00	0.000
3-12-P	84	90	22.62	2110.50	6.48	-500.57	0.000000	0.00	0.000
3-13-P	84	90	22.62	2110.50	5.96	-500.57	0.000000	0.00	0.000
3-14-P	84	90	22.62	2110.50	5.39	-500.57	0.000000	0.00	0.000
3-15-P	84	90	22.62	2110.50	4.89	-500.57	0.000000	0.00	0.000
3-16-P	84	90	22.62	2110.50	4.47	-500.57	0.000000	0.00	0.000
3-17-P	84	90	22.62	2110.50	4.05	-500.57	0.000000	0.00	0.000
3-18-P	84	90	22.62	2110.50	3.82	-500.57	0.000000	0.00	0.000
3-19-P	84	90	22.62	2110.50	-3.66	-500.57	0.000000	0.00	0.000
3-20-P	84	90	22.62	2110.50	-3.91	-500.57	0.000000	0.00	0.000
3-21-P	84	90	22.62	2110.50	-4.15	-500.57	0.000000	0.00	0.000
3-22-P	84	90	22.62	2110.50	-4.37	-500.57	0.000000	0.00	0.000
3-23-P	84	90	22.62	2110.50	-4.52	-500.57	0.000000	0.00	0.000
3-24-P	84	90	22.62	2110.50	-4.69	-500.57	0.000000	0.00	0.000
3-25-P	84	90	22.62	2110.50	-4.82	-500.57	0.000000	0.00	0.000
3-26-P	84	90	22.62	2110.50	-4.94	-500.57	0.000000	0.00	0.000
3-27-P	84	90	22.62	2110.50	-5.06	-500.57	0.000000	0.00	0.000
3-28-P	84	90	22.62	2110.50	-5.16	-500.57	0.000000	0.00	0.000
3-29-P	84	90	22.62	2110.50	-5.26	-500.57	0.000000	0.00	0.000
3-30-P	84	90	22.62	2110.50	-5.36	-500.57	0.000000	0.00	0.000
3-31-P	84	90	22.62	2110.50	-5.47	-500.57	0.000000	0.00	0.000
3-32-P	84	90	22.62	2110.50	-5.55	-500.57	0.000000	0.00	0.000
3-33-P	84	90	22.62	2110.50	-5.61	-500.57	0.000000	0.00	0.000
3-34-P	84	90	22.62	2110.50	-5.67	-500.57	0.000000	0.00	0.000
3-35-P	84	90	22.62	2110.50	-5.69	-500.57	0.000000	0.00	0.000
3-36-P	84	90	22.62	2110.50	-5.73	-500.57	0.000000	0.00	0.000
3-37-P	84	90	22.62	2110.50	-5.75	-500.57	0.000000	0.00	0.000
3-38-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-39-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-40-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-41-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-42-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-43-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-44-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-45-P	84	90	22.62	2110.50	-5.75	-500.57	0.000000	0.00	0.000
3-46-P	84	90	22.62	2110.50	-5.73	-500.57	0.000000	0.00	0.000
3-47-P	84	90	22.62	2110.50	-5.69	-500.57	0.000000	0.00	0.000
3-48-P	84	90	22.62	2110.50	-5.67	-500.57	0.000000	0.00	0.000
3-49-P	84	90	22.62	2110.50	-5.61	-500.57	0.000000	0.00	0.000
3-50-P	84	90	22.62	2110.50	-5.55	-500.57	0.000000	0.00	0.000
3-51-P	84	90	22.62	2110.50	-5.47	-500.57	0.000000	0.00	0.000
3-52-P	84	90	22.62	2110.50	-5.36	-500.57	0.000000	0.00	0.000
3-53-P	84	90	22.62	2110.50	-5.26	-500.57	0.000000	0.00	0.000
3-54-P	84	90	22.62	2110.50	-5.16	-500.57	0.000000	0.00	0.000
3-55-P	84	90	22.62	2110.50	-5.06	-500.57	0.000000	0.00	0.000
3-56-P	84	90	22.62	2110.50	-4.94	-500.57	0.000000	0.00	0.000
3-57-P	84	90	22.62	2110.50	-4.82	-500.57	0.000000	0.00	0.000
3-58-P	84	90	22.62	2110.50	-4.69	-500.57	0.000000	0.00	0.000
3-59-P	84	90	22.62	2110.50	-4.52	-500.57	0.000000	0.00	0.000
3-60-P	84	90	22.62	2110.50	-4.37	-500.57	0.000000	0.00	0.000
3-61-P	84	90	22.62	2110.50	-4.15	-500.57	0.000000	0.00	0.000
3-62-P	84	90	22.62	2110.50	-3.91	-500.57	0.000000	0.00	0.000
3-63-P	84	90	22.62	2110.50	-3.66	-500.57	0.000000	0.00	0.000
3-64-P	84	90	22.62	2110.50	3.82	-500.57	0.000000	0.00	0.000
3-65-P	84	90	22.62	2110.50	4.05	-500.57	0.000000	0.00	0.000
3-66-P	84	90	22.62	2110.50	4.47	-500.57	0.000000	0.00	0.000
3-67-P	84	90	22.62	2110.50	4.89	-500.57	0.000000	0.00	0.000
3-68-P	84	90	22.62	2110.50	5.39	-500.57	0.000000	0.00	0.000
3-69-P	84	90	22.62	2110.50	5.96	-500.57	0.000000	0.00	0.000
3-70-P	84	90	22.62	2110.50	6.48	-500.57	0.000000	0.00	0.000
3-71-P	84	90	22.62	2110.50	6.87	-500.57	0.000000	0.00	0.000
3-72-P	84	90	22.62	2110.50	7.29	-500.57	0.000000	0.00	0.000
3-73-P	84	90	22.62	2110.50	7.34	-500.57	0.000000	0.00	0.000
3-74-P	84	90	22.62	2110.50	7.32	-500.57	0.000000	0.00	0.000
3-75-P	84	90	22.62	2110.50	7.07	-500.57	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-76-P	84	90	22.62	2110.50	6.47	-500.57	0.000000	0.00	0.000
3-77-P	84	90	22.62	2110.50	5.93	-500.57	0.000000	0.00	0.000
3-78-P	84	90	22.62	2110.50	4.51	-500.57	0.000000	0.00	0.000
3-79-P	84	90	22.62	2110.50	3.17	-500.57	0.000000	0.00	0.000
3-80-P	84	90	22.62	2110.50	2.37	-500.57	0.000000	0.00	0.000
3-81-P	84	90	22.62	2110.50	1.75	-500.57	0.000000	0.00	0.000
4-1-P	84	90	18.10	2110.50	-1.77	-484.54	0.000000	0.00	0.000
4-2-P	84	90	18.10	2110.50	1.54	-484.54	0.000000	0.00	0.000
4-3-P	84	90	18.10	2110.50	3.36	-484.54	0.000000	0.00	0.000
4-4-P	84	90	18.10	2110.50	7.23	484.54	0.000000	0.00	0.000
4-5-P	84	90	18.10	2110.50	11.33	484.54	0.000000	0.00	0.000
4-6-P	84	90	18.10	2110.50	14.02	484.54	0.000000	0.00	0.000
4-7-P	84	90	18.10	2110.50	16.71	484.54	0.000000	0.00	0.000
4-8-P	84	90	18.10	2110.50	19.48	484.54	0.000000	0.00	0.000
4-9-P	84	90	18.10	2110.50	22.32	484.54	0.000000	0.00	0.000
4-10-P	84	90	18.10	2110.50	24.61	484.54	0.000000	0.00	0.000
4-11-P	84	90	18.10	2110.50	24.79	484.54	0.000000	0.00	0.000
4-12-P	84	90	18.10	2110.50	24.96	484.54	0.000000	0.00	0.000
4-13-P	84	90	18.10	2110.50	23.31	484.54	0.000000	0.00	0.000
4-14-P	84	90	18.10	2110.50	21.21	484.54	0.000000	0.00	0.000
4-15-P	84	90	18.10	2110.50	19.73	484.54	0.000000	0.00	0.000
4-16-P	84	90	18.10	2110.50	19.18	484.54	0.000000	0.00	0.000
4-17-P	84	90	18.10	2110.50	18.63	484.54	0.000000	0.00	0.000
4-18-P	84	90	18.10	2110.50	18.30	484.54	0.000000	0.00	0.000
4-19-P	84	90	18.10	2110.50	17.96	484.54	0.000000	0.00	0.000
4-20-P	84	90	18.10	2110.50	18.67	484.54	0.000000	0.00	0.000
4-21-P	84	90	18.10	2110.50	20.09	484.54	0.000000	0.00	0.000
4-22-P	84	90	18.10	2110.50	21.14	484.54	0.000000	0.00	0.000
4-23-P	84	90	18.10	2110.50	20.76	484.54	0.000000	0.00	0.000
4-24-P	84	90	18.10	2110.50	20.38	484.54	0.000000	0.00	0.000
4-25-P	84	90	18.10	2110.50	18.57	484.54	0.000000	0.00	0.000
4-26-P	84	90	18.10	2110.50	16.40	484.54	0.000000	0.00	0.000
4-27-P	84	90	18.10	2110.50	14.95	484.54	0.000000	0.00	0.000
4-28-P	84	90	18.10	2110.50	14.57	484.54	0.000000	0.00	0.000
4-29-P	84	90	18.10	2110.50	14.19	484.54	0.000000	0.00	0.000
4-30-P	84	90	18.10	2110.50	14.12	484.54	0.000000	0.00	0.000
4-31-P	84	90	18.10	2110.50	14.05	484.54	0.000000	0.00	0.000
4-32-P	84	90	18.10	2110.50	15.05	484.54	0.000000	0.00	0.000
4-33-P	84	90	18.10	2110.50	16.76	484.54	0.000000	0.00	0.000
4-34-P	84	90	18.10	2110.50	18.10	484.54	0.000000	0.00	0.000
4-35-P	84	90	18.10	2110.50	18.01	484.54	0.000000	0.00	0.000
4-36-P	84	90	18.10	2110.50	17.91	484.54	0.000000	0.00	0.000
4-37-P	84	90	18.10	2110.50	16.37	484.54	0.000000	0.00	0.000
4-38-P	84	90	18.10	2110.50	14.46	484.54	0.000000	0.00	0.000
4-39-P	84	90	18.10	2110.50	13.26	484.54	0.000000	0.00	0.000
4-40-P	84	90	18.10	2110.50	13.11	484.54	0.000000	0.00	0.000
4-41-P	84	90	18.10	2110.50	12.97	484.54	0.000000	0.00	0.000
4-42-P	84	90	18.10	2110.50	13.11	484.54	0.000000	0.00	0.000
4-43-P	84	90	18.10	2110.50	13.26	484.54	0.000000	0.00	0.000
4-44-P	84	90	18.10	2110.50	14.46	484.54	0.000000	0.00	0.000
4-45-P	84	90	18.10	2110.50	16.37	484.54	0.000000	0.00	0.000
4-46-P	84	90	18.10	2110.50	17.91	484.54	0.000000	0.00	0.000
4-47-P	84	90	18.10	2110.50	18.01	484.54	0.000000	0.00	0.000
4-48-P	84	90	18.10	2110.50	18.10	484.54	0.000000	0.00	0.000
4-49-P	84	90	18.10	2110.50	16.76	484.54	0.000000	0.00	0.000
4-50-P	84	90	18.10	2110.50	15.05	484.54	0.000000	0.00	0.000
4-51-P	84	90	18.10	2110.50	14.05	484.54	0.000000	0.00	0.000
4-52-P	84	90	18.10	2110.50	14.12	484.54	0.000000	0.00	0.000
4-53-P	84	90	18.10	2110.50	14.19	484.54	0.000000	0.00	0.000
4-54-P	84	90	18.10	2110.50	14.57	484.54	0.000000	0.00	0.000
4-55-P	84	90	18.10	2110.50	14.95	484.54	0.000000	0.00	0.000
4-56-P	84	90	18.10	2110.50	16.40	484.54	0.000000	0.00	0.000
4-57-P	84	90	18.10	2110.50	18.57	484.54	0.000000	0.00	0.000
4-58-P	84	90	18.10	2110.50	20.38	484.54	0.000000	0.00	0.000
4-59-P	84	90	18.10	2110.50	20.76	484.54	0.000000	0.00	0.000
4-60-P	84	90	18.10	2110.50	21.14	484.54	0.000000	0.00	0.000
4-61-P	84	90	18.10	2110.50	20.09	484.54	0.000000	0.00	0.000
4-62-P	84	90	18.10	2110.50	18.67	484.54	0.000000	0.00	0.000
4-63-P	84	90	18.10	2110.50	17.96	484.54	0.000000	0.00	0.000
4-64-P	84	90	18.10	2110.50	18.30	484.54	0.000000	0.00	0.000
4-65-P	84	90	18.10	2110.50	18.63	484.54	0.000000	0.00	0.000
4-66-P	84	90	18.10	2110.50	19.18	484.54	0.000000	0.00	0.000
4-67-P	84	90	18.10	2110.50	19.73	484.54	0.000000	0.00	0.000
4-68-P	84	90	18.10	2110.50	21.21	484.54	0.000000	0.00	0.000
4-69-P	84	90	18.10	2110.50	23.31	484.54	0.000000	0.00	0.000
4-70-P	84	90	18.10	2110.50	24.96	484.54	0.000000	0.00	0.000
4-71-P	84	90	18.10	2110.50	24.79	484.54	0.000000	0.00	0.000
4-72-P	84	90	18.10	2110.50	24.61	484.54	0.000000	0.00	0.000
4-73-P	84	90	18.10	2110.50	22.32	484.54	0.000000	0.00	0.000
4-74-P	84	90	18.10	2110.50	19.48	484.54	0.000000	0.00	0.000
4-75-P	84	90	18.10	2110.50	16.71	484.54	0.000000	0.00	0.000
4-76-P	84	90	18.10	2110.50	14.02	484.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-77-P	84	90	18.10	2110.50	11.33	484.54	0.000000	0.00	0.000
4-78-P	84	90	18.10	2110.50	7.23	484.54	0.000000	0.00	0.000
4-79-P	84	90	18.10	2110.50	3.36	-484.54	0.000000	0.00	0.000
4-80-P	84	90	18.10	2110.50	1.54	-484.54	0.000000	0.00	0.000
4-81-P	84	90	18.10	2110.50	-1.77	-484.54	0.000000	0.00	0.000
5-1-P	84	90	18.10	2110.50	3.63	-484.54	0.000000	0.00	0.000
5-2-P	84	90	18.10	2110.50	-2.84	-484.54	0.000000	0.00	0.000
5-3-P	84	90	18.10	2110.50	-10.03	-484.54	0.000000	0.00	0.000
5-4-P	84	90	18.10	2110.50	-18.90	-484.54	0.000000	0.00	0.000
5-5-P	84	90	18.10	2110.50	-32.94	-484.54	0.000000	0.00	0.000
5-6-P	84	90	18.10	2110.50	-16.67	-484.54	0.000000	0.00	0.000
5-7-P	84	90	18.10	2110.50	13.21	-484.54	0.000000	0.00	0.000
5-8-P	84	90	18.10	2110.50	20.34	-484.54	0.000000	0.00	0.000
5-9-P	84	90	18.10	2110.50	30.37	484.54	0.000000	0.00	0.000
5-10-P	84	90	18.10	2110.50	38.77	484.54	0.000000	0.00	0.000
5-11-P	84	90	18.10	2110.50	39.38	484.54	0.000000	0.00	0.000
5-12-P	84	90	18.10	2110.50	39.99	484.54	0.000000	0.00	0.000
5-13-P	84	90	18.10	2110.50	33.24	484.54	0.000000	0.00	0.000
5-14-P	84	90	18.10	2110.50	24.65	484.54	0.000000	0.00	0.000
5-15-P	84	90	18.10	2110.50	13.65	484.54	0.000000	0.00	0.000
5-16-P	84	90	18.10	2110.50	-10.07	-484.54	0.000000	0.00	0.000
5-17-P	84	90	18.10	2110.50	-25.63	-484.54	0.000000	0.00	0.000
5-18-P	84	90	18.10	2110.50	-11.17	-484.54	0.000000	0.00	0.000
5-19-P	84	90	18.10	2110.50	14.47	-484.54	0.000000	0.00	0.000
5-20-P	84	90	18.10	2110.50	22.94	484.54	0.000000	0.00	0.000
5-21-P	84	90	18.10	2110.50	31.17	484.54	0.000000	0.00	0.000
5-22-P	84	90	18.10	2110.50	37.67	484.54	0.000000	0.00	0.000
5-23-P	84	90	18.10	2110.50	37.25	484.54	0.000000	0.00	0.000
5-24-P	84	90	18.10	2110.50	36.83	484.54	0.000000	0.00	0.000
5-25-P	84	90	18.10	2110.50	29.52	484.54	0.000000	0.00	0.000
5-26-P	84	90	18.10	2110.50	20.48	484.54	0.000000	0.00	0.000
5-27-P	84	90	18.10	2110.50	10.05	-484.54	0.000000	0.00	0.000
5-28-P	84	90	18.10	2110.50	-12.23	-484.54	0.000000	0.00	0.000
5-29-P	84	90	18.10	2110.50	-27.77	-484.54	0.000000	0.00	0.000
5-30-P	84	90	18.10	2110.50	-12.76	-484.54	0.000000	0.00	0.000
5-31-P	84	90	18.10	2110.50	10.18	-484.54	0.000000	0.00	0.000
5-32-P	84	90	18.10	2110.50	18.81	484.54	0.000000	0.00	0.000
5-33-P	84	90	18.10	2110.50	27.28	484.54	0.000000	0.00	0.000
5-34-P	84	90	18.10	2110.50	34.04	484.54	0.000000	0.00	0.000
5-35-P	84	90	18.10	2110.50	33.91	484.54	0.000000	0.00	0.000
5-36-P	84	90	18.10	2110.50	33.78	484.54	0.000000	0.00	0.000
5-37-P	84	90	18.10	2110.50	26.76	484.54	0.000000	0.00	0.000
5-38-P	84	90	18.10	2110.50	18.02	484.54	0.000000	0.00	0.000
5-39-P	84	90	18.10	2110.50	8.97	-484.54	0.000000	0.00	0.000
5-40-P	84	90	18.10	2110.50	-13.28	-484.54	0.000000	0.00	0.000
5-41-P	84	90	18.10	2110.50	-28.62	-484.54	0.000000	0.00	0.000
5-42-P	84	90	18.10	2110.50	-13.28	-484.54	0.000000	0.00	0.000
5-43-P	84	90	18.10	2110.50	8.97	-484.54	0.000000	0.00	0.000
5-44-P	84	90	18.10	2110.50	18.02	484.54	0.000000	0.00	0.000
5-45-P	84	90	18.10	2110.50	26.76	484.54	0.000000	0.00	0.000
5-46-P	84	90	18.10	2110.50	33.78	484.54	0.000000	0.00	0.000
5-47-P	84	90	18.10	2110.50	33.91	484.54	0.000000	0.00	0.000
5-48-P	84	90	18.10	2110.50	34.04	484.54	0.000000	0.00	0.000
5-49-P	84	90	18.10	2110.50	27.28	484.54	0.000000	0.00	0.000
5-50-P	84	90	18.10	2110.50	18.81	484.54	0.000000	0.00	0.000
5-51-P	84	90	18.10	2110.50	10.18	-484.54	0.000000	0.00	0.000
5-52-P	84	90	18.10	2110.50	-12.76	-484.54	0.000000	0.00	0.000
5-53-P	84	90	18.10	2110.50	-27.77	-484.54	0.000000	0.00	0.000
5-54-P	84	90	18.10	2110.50	-12.23	-484.54	0.000000	0.00	0.000
5-55-P	84	90	18.10	2110.50	10.05	-484.54	0.000000	0.00	0.000
5-56-P	84	90	18.10	2110.50	20.48	484.54	0.000000	0.00	0.000
5-57-P	84	90	18.10	2110.50	29.52	484.54	0.000000	0.00	0.000
5-58-P	84	90	18.10	2110.50	36.83	484.54	0.000000	0.00	0.000
5-59-P	84	90	18.10	2110.50	37.25	484.54	0.000000	0.00	0.000
5-60-P	84	90	18.10	2110.50	37.67	484.54	0.000000	0.00	0.000
5-61-P	84	90	18.10	2110.50	31.17	484.54	0.000000	0.00	0.000
5-62-P	84	90	18.10	2110.50	22.94	484.54	0.000000	0.00	0.000
5-63-P	84	90	18.10	2110.50	14.47	-484.54	0.000000	0.00	0.000
5-64-P	84	90	18.10	2110.50	-11.17	-484.54	0.000000	0.00	0.000
5-65-P	84	90	18.10	2110.50	-25.63	-484.54	0.000000	0.00	0.000
5-66-P	84	90	18.10	2110.50	-10.07	-484.54	0.000000	0.00	0.000
5-67-P	84	90	18.10	2110.50	13.65	484.54	0.000000	0.00	0.000
5-68-P	84	90	18.10	2110.50	24.65	484.54	0.000000	0.00	0.000
5-69-P	84	90	18.10	2110.50	33.24	484.54	0.000000	0.00	0.000
5-70-P	84	90	18.10	2110.50	39.99	484.54	0.000000	0.00	0.000
5-71-P	84	90	18.10	2110.50	39.38	484.54	0.000000	0.00	0.000
5-72-P	84	90	18.10	2110.50	38.77	484.54	0.000000	0.00	0.000
5-73-P	84	90	18.10	2110.50	30.37	484.54	0.000000	0.00	0.000
5-74-P	84	90	18.10	2110.50	20.34	-484.54	0.000000	0.00	0.000
5-75-P	84	90	18.10	2110.50	13.21	-484.54	0.000000	0.00	0.000
5-76-P	84	90	18.10	2110.50	-16.67	-484.54	0.000000	0.00	0.000
5-77-P	84	90	18.10	2110.50	-32.94	-484.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-78-P	84	90	18.10	2110.50	-18.90	-484.54	0.000000	0.00	0.000
5-79-P	84	90	18.10	2110.50	-10.03	-484.54	0.000000	0.00	0.000
5-80-P	84	90	18.10	2110.50	-2.84	-484.54	0.000000	0.00	0.000
5-81-P	84	90	18.10	2110.50	3.63	-484.54	0.000000	0.00	0.000
6-1-P	84	90	22.62	2110.46	-4.74	-500.56	0.000000	0.00	0.000
6-2-P	84	90	22.62	2110.46	-11.01	-500.56	0.000000	0.00	0.000
6-3-P	84	90	22.62	2110.46	-19.59	-500.56	0.000000	0.00	0.000
6-4-P	84	90	22.62	2110.46	-50.64	-500.56	0.000000	0.00	0.000
6-5-P	84	90	22.62	2110.46	-83.42	-500.56	0.000000	0.00	0.000
6-6-P	84	90	22.62	2110.46	-46.18	-500.56	0.000000	0.00	0.000
6-7-P	84	90	22.62	2110.46	-16.49	-500.56	0.000000	0.00	0.000
6-8-P	84	90	22.62	2110.46	17.48	-500.56	0.000000	0.00	0.000
6-9-P	84	90	22.62	2110.46	29.04	500.56	0.000000	0.00	0.000
6-10-P	84	90	22.62	2110.46	40.80	500.56	0.000000	0.00	0.000
6-11-P	84	90	22.62	2110.46	41.66	500.56	0.000000	0.00	0.000
6-12-P	84	90	22.62	2110.46	42.52	500.56	0.000000	0.00	0.000
6-13-P	84	90	22.62	2110.46	32.55	500.56	0.000000	0.00	0.000
6-14-P	84	90	22.62	2110.46	19.88	500.56	0.000000	0.00	0.000
6-15-P	84	90	22.62	2110.46	-4.72	-500.56	0.000000	0.00	0.000
6-16-P	84	90	22.62	2110.46	-36.33	-500.56	0.000000	0.00	0.000
6-17-P	84	90	22.62	2110.46	-71.11	-500.56	0.000000	0.00	0.000
6-18-P	84	90	22.62	2110.46	-36.85	-500.56	0.000000	0.00	0.000
6-19-P	84	90	22.62	2110.46	-9.64	-500.56	0.000000	0.00	0.000
6-20-P	84	90	22.62	2110.46	18.65	-500.56	0.000000	0.00	0.000
6-21-P	84	90	22.62	2110.46	30.96	500.56	0.000000	0.00	0.000
6-22-P	84	90	22.62	2110.46	40.83	500.56	0.000000	0.00	0.000
6-23-P	84	90	22.62	2110.46	40.37	500.56	0.000000	0.00	0.000
6-24-P	84	90	22.62	2110.46	39.90	500.56	0.000000	0.00	0.000
6-25-P	84	90	22.62	2110.46	29.14	500.56	0.000000	0.00	0.000
6-26-P	84	90	22.62	2110.46	15.81	500.56	0.000000	0.00	0.000
6-27-P	84	90	22.62	2110.46	-9.54	-500.56	0.000000	0.00	0.000
6-28-P	84	90	22.62	2110.46	-41.10	-500.56	0.000000	0.00	0.000
6-29-P	84	90	22.62	2110.46	-76.08	-500.56	0.000000	0.00	0.000
6-30-P	84	90	22.62	2110.46	-41.76	-500.56	0.000000	0.00	0.000
6-31-P	84	90	22.62	2110.46	-11.59	-500.56	0.000000	0.00	0.000
6-32-P	84	90	22.62	2110.46	14.00	-500.56	0.000000	0.00	0.000
6-33-P	84	90	22.62	2110.46	26.51	500.56	0.000000	0.00	0.000
6-34-P	84	90	22.62	2110.46	36.62	500.56	0.000000	0.00	0.000
6-35-P	84	90	22.62	2110.46	36.46	500.56	0.000000	0.00	0.000
6-36-P	84	90	22.62	2110.46	36.30	500.56	0.000000	0.00	0.000
6-37-P	84	90	22.62	2110.46	25.87	500.56	0.000000	0.00	0.000
6-38-P	84	90	22.62	2110.46	13.01	-500.56	0.000000	0.00	0.000
6-39-P	84	90	22.62	2110.46	-12.17	-500.56	0.000000	0.00	0.000
6-40-P	84	90	22.62	2110.46	-43.37	-500.56	0.000000	0.00	0.000
6-41-P	84	90	22.62	2110.46	-78.02	-500.56	0.000000	0.00	0.000
6-42-P	84	90	22.62	2110.46	-43.37	-500.56	0.000000	0.00	0.000
6-43-P	84	90	22.62	2110.46	-12.17	-500.56	0.000000	0.00	0.000
6-44-P	84	90	22.62	2110.46	13.01	-500.56	0.000000	0.00	0.000
6-45-P	84	90	22.62	2110.46	25.87	500.56	0.000000	0.00	0.000
6-46-P	84	90	22.62	2110.46	36.30	500.56	0.000000	0.00	0.000
6-47-P	84	90	22.62	2110.46	36.46	500.56	0.000000	0.00	0.000
6-48-P	84	90	22.62	2110.46	36.62	500.56	0.000000	0.00	0.000
6-49-P	84	90	22.62	2110.46	26.51	500.56	0.000000	0.00	0.000
6-50-P	84	90	22.62	2110.46	14.00	-500.56	0.000000	0.00	0.000
6-51-P	84	90	22.62	2110.46	-11.59	-500.56	0.000000	0.00	0.000
6-52-P	84	90	22.62	2110.46	-41.76	-500.56	0.000000	0.00	0.000
6-53-P	84	90	22.62	2110.46	-76.08	-500.56	0.000000	0.00	0.000
6-54-P	84	90	22.62	2110.46	-41.10	-500.56	0.000000	0.00	0.000
6-55-P	84	90	22.62	2110.46	-9.54	-500.56	0.000000	0.00	0.000
6-56-P	84	90	22.62	2110.46	15.81	500.56	0.000000	0.00	0.000
6-57-P	84	90	22.62	2110.46	29.14	500.56	0.000000	0.00	0.000
6-58-P	84	90	22.62	2110.46	39.90	500.56	0.000000	0.00	0.000
6-59-P	84	90	22.62	2110.46	40.37	500.56	0.000000	0.00	0.000
6-60-P	84	90	22.62	2110.46	40.83	500.56	0.000000	0.00	0.000
6-61-P	84	90	22.62	2110.46	30.96	500.56	0.000000	0.00	0.000
6-62-P	84	90	22.62	2110.46	18.65	-500.56	0.000000	0.00	0.000
6-63-P	84	90	22.62	2110.46	-9.64	-500.56	0.000000	0.00	0.000
6-64-P	84	90	22.62	2110.46	-36.85	-500.56	0.000000	0.00	0.000
6-65-P	84	90	22.62	2110.46	-71.11	-500.56	0.000000	0.00	0.000
6-66-P	84	90	22.62	2110.46	-36.33	-500.56	0.000000	0.00	0.000
6-67-P	84	90	22.62	2110.46	-4.72	-500.56	0.000000	0.00	0.000
6-68-P	84	90	22.62	2110.46	19.88	500.56	0.000000	0.00	0.000
6-69-P	84	90	22.62	2110.46	32.55	500.56	0.000000	0.00	0.000
6-70-P	84	90	22.62	2110.46	42.52	500.56	0.000000	0.00	0.000
6-71-P	84	90	22.62	2110.46	41.66	500.56	0.000000	0.00	0.000
6-72-P	84	90	22.62	2110.46	40.80	500.56	0.000000	0.00	0.000
6-73-P	84	90	22.62	2110.46	29.04	500.56	0.000000	0.00	0.000
6-74-P	84	90	22.62	2110.46	17.48	-500.56	0.000000	0.00	0.000
6-75-P	84	90	22.62	2110.46	-16.49	-500.56	0.000000	0.00	0.000
6-76-P	84	90	22.62	2110.46	-46.18	-500.56	0.000000	0.00	0.000
6-77-P	84	90	22.62	2110.46	-83.42	-500.56	0.000000	0.00	0.000
6-78-P	84	90	22.62	2110.46	-50.64	-500.56	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-79-P	84	90	22.62	2110.46	-19.59	-500.56	0.000000	0.00	0.000
6-80-P	84	90	22.62	2110.46	-11.01	-500.56	0.000000	0.00	0.000
6-81-P	84	90	22.62	2110.46	-4.74	-500.56	0.000000	0.00	0.000
7-1-S	100	90	22.62	2520.00	0.08	-582.15	0.000000	0.00	0.000
7-2-S	100	90	22.62	2520.00	-1.03	-582.15	0.000000	0.00	0.000
7-3-S	100	90	22.62	2520.00	-2.13	-582.15	0.000000	0.00	0.000
7-4-S	100	90	22.62	2520.00	-3.25	-582.15	0.000000	0.00	0.000
7-5-S	100	90	22.62	2520.00	-2.51	-582.15	0.000000	0.00	0.000
7-6-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
7-7-S	100	90	22.62	2520.00	52.88	582.15	0.000000	0.00	0.000
7-8-S	100	90	22.62	2520.00	71.38	582.15	0.000000	0.00	0.000
7-9-S	100	90	22.62	2520.00	88.53	582.15	0.000000	0.00	0.000
7-10-S	100	90	22.62	2520.00	97.01	582.15	0.000000	0.00	0.000
7-11-S	100	90	22.62	2520.00	102.34	582.15	0.000000	0.00	0.000
7-12-S	100	90	22.62	2520.00	99.94	582.15	0.000000	0.00	0.000
7-13-S	100	90	22.62	2520.00	92.54	-582.15	0.000000	0.00	0.000
7-14-S	100	90	22.62	2520.00	67.75	-582.15	0.000000	0.00	0.000
7-15-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
7-16-S	100	90	22.62	2520.00	-21.49	-582.15	0.000000	0.00	0.000
7-17-S	100	90	22.62	2520.00	-20.52	-582.15	0.000000	0.00	0.000
7-18-S	100	90	22.62	2520.00	-13.05	-582.15	0.000000	0.00	0.000
7-19-S	100	90	22.62	2520.00	-2.53	-582.15	0.000000	0.00	0.000
8-1-S	100	90	22.62	2520.00	0.02	-582.15	0.000000	0.00	0.000
8-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
8-3-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
8-4-S	100	90	22.62	2520.00	-3.49	-582.15	0.000000	0.00	0.000
8-5-S	100	90	22.62	2520.00	-13.14	-582.15	0.000000	0.00	0.000
8-6-S	100	90	22.62	2520.00	15.23	-582.15	0.000000	0.00	0.000
8-7-S	100	90	22.62	2520.00	43.40	582.15	0.000000	0.00	0.000
8-8-S	100	90	22.62	2520.00	62.41	582.15	0.000000	0.00	0.000
8-9-S	100	90	22.62	2520.00	80.01	582.15	0.000000	0.00	0.000
8-10-S	100	90	22.62	2520.00	89.83	582.15	0.000000	0.00	0.000
8-11-S	100	90	22.62	2520.00	96.86	582.15	0.000000	0.00	0.000
8-12-S	100	90	22.62	2520.00	96.85	582.15	0.000000	0.00	0.000
8-13-S	100	90	22.62	2520.00	92.36	-582.15	0.000000	0.00	0.000
8-14-S	100	90	22.62	2520.00	69.83	-582.15	0.000000	0.00	0.000
8-15-S	100	90	22.62	2520.00	30.34	-582.15	0.000000	0.00	0.000
8-16-S	100	90	22.62	2520.00	-26.71	-582.15	0.000000	0.00	0.000
8-17-S	100	90	22.62	2520.00	-24.96	-582.15	0.000000	0.00	0.000
8-18-S	100	90	22.62	2520.00	-16.68	-582.15	0.000000	0.00	0.000
8-19-S	100	90	22.62	2520.00	-5.76	-582.15	0.000000	0.00	0.000
9-1-S	100	90	22.62	2520.00	-0.03	-582.15	0.000000	0.00	0.000
9-2-S	100	90	22.62	2520.00	-1.14	-582.15	0.000000	0.00	0.000
9-3-S	100	90	22.62	2520.00	-2.25	-582.15	0.000000	0.00	0.000
9-4-S	100	90	22.62	2520.00	-3.37	-582.15	0.000000	0.00	0.000
9-5-S	100	90	22.62	2520.00	-33.77	-582.15	0.000000	0.00	0.000
9-6-S	100	90	22.62	2520.00	-4.62	-582.15	0.000000	0.00	0.000
9-7-S	100	90	22.62	2520.00	28.78	582.15	0.000000	0.00	0.000
9-8-S	100	90	22.62	2520.00	48.55	582.15	0.000000	0.00	0.000
9-9-S	100	90	22.62	2520.00	66.58	582.15	0.000000	0.00	0.000
9-10-S	100	90	22.62	2520.00	74.38	582.15	0.000000	0.00	0.000
9-11-S	100	90	22.62	2520.00	78.54	582.15	0.000000	0.00	0.000
9-12-S	100	90	22.62	2520.00	76.32	582.15	0.000000	0.00	0.000
9-13-S	100	90	22.62	2520.00	69.95	582.15	0.000000	0.00	0.000
9-14-S	100	90	22.62	2520.00	60.18	582.15	0.000000	0.00	0.000
9-15-S	100	90	22.62	2520.00	46.64	582.15	0.000000	0.00	0.000
9-16-S	100	90	22.62	2520.00	32.95	582.15	0.000000	0.00	0.000
9-17-S	100	90	22.62	2520.00	18.99	582.15	0.000000	0.00	0.000
9-18-S	100	90	22.62	2520.00	9.78	582.15	0.000000	0.00	0.000
9-19-S	100	90	22.62	2520.00	2.89	582.15	0.000000	0.00	0.000
10-1-S	100	90	22.62	2520.00	-0.01	-582.15	0.000000	0.00	0.000
10-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
10-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
10-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
10-5-S	100	90	22.62	2520.00	-48.19	-582.15	0.000000	0.00	0.000
10-6-S	100	90	22.62	2520.00	-14.56	-582.15	0.000000	0.00	0.000
10-7-S	100	90	22.62	2520.00	19.07	582.15	0.000000	0.00	0.000
10-8-S	100	90	22.62	2520.00	42.09	582.15	0.000000	0.00	0.000
10-9-S	100	90	22.62	2520.00	63.51	582.15	0.000000	0.00	0.000
10-10-S	100	90	22.62	2520.00	76.49	582.15	0.000000	0.00	0.000
10-11-S	100	90	22.62	2520.00	86.48	582.15	0.000000	0.00	0.000
10-12-S	100	90	22.62	2520.00	88.68	582.15	0.000000	0.00	0.000
10-13-S	100	90	22.62	2520.00	85.79	582.15	0.000000	0.00	0.000
10-14-S	100	90	22.62	2520.00	64.29	-582.15	0.000000	0.00	0.000
10-15-S	100	90	22.62	2520.00	24.62	-582.15	0.000000	0.00	0.000
10-16-S	100	90	22.62	2520.00	-22.94	-582.15	0.000000	0.00	0.000
10-17-S	100	90	22.62	2520.00	-21.38	-582.15	0.000000	0.00	0.000
10-18-S	100	90	22.62	2520.00	-14.08	-582.15	0.000000	0.00	0.000
10-19-S	100	90	22.62	2520.00	-2.63	-582.15	0.000000	0.00	0.000
11-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
11-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
11-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
11-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
11-5-S	100	90	22.62	2520.00	-59.39	-582.15	0.000000	0.00	0.000
11-6-S	100	90	22.62	2520.00	-24.62	-582.15	0.000000	0.00	0.000
11-7-S	100	90	22.62	2520.00	10.15	582.15	0.000000	0.00	0.000
11-8-S	100	90	22.62	2520.00	34.29	582.15	0.000000	0.00	0.000
11-9-S	100	90	22.62	2520.00	56.83	582.15	0.000000	0.00	0.000
11-10-S	100	90	22.62	2520.00	70.84	582.15	0.000000	0.00	0.000
11-11-S	100	90	22.62	2520.00	81.82	582.15	0.000000	0.00	0.000
11-12-S	100	90	22.62	2520.00	84.92	582.15	0.000000	0.00	0.000
11-13-S	100	90	22.62	2520.00	82.85	582.15	0.000000	0.00	0.000
11-14-S	100	90	22.62	2520.00	62.18	-582.15	0.000000	0.00	0.000
11-15-S	100	90	22.62	2520.00	25.40	-582.15	0.000000	0.00	0.000
11-16-S	100	90	22.62	2520.00	-24.93	-582.15	0.000000	0.00	0.000
11-17-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
11-18-S	100	90	22.62	2520.00	-14.98	-582.15	0.000000	0.00	0.000
11-19-S	100	90	22.62	2520.00	-3.95	-582.15	0.000000	0.00	0.000
12-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
12-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
12-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
12-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
12-5-S	100	90	22.62	2520.00	-68.15	-582.15	0.000000	0.00	0.000
12-6-S	100	90	22.62	2520.00	-33.06	-582.15	0.000000	0.00	0.000
12-7-S	100	90	22.62	2520.00	2.23	-582.15	0.000000	0.00	0.000
12-8-S	100	90	22.62	2520.00	25.35	582.15	0.000000	0.00	0.000
12-9-S	100	90	22.62	2520.00	46.88	582.15	0.000000	0.00	0.000
12-10-S	100	90	22.62	2520.00	57.82	582.15	0.000000	0.00	0.000
12-11-S	100	90	22.62	2520.00	64.99	582.15	0.000000	0.00	0.000
12-12-S	100	90	22.62	2520.00	65.44	582.15	0.000000	0.00	0.000
12-13-S	100	90	22.62	2520.00	61.50	582.15	0.000000	0.00	0.000
12-14-S	100	90	22.62	2520.00	53.89	582.15	0.000000	0.00	0.000
12-15-S	100	90	22.62	2520.00	42.21	582.15	0.000000	0.00	0.000
12-16-S	100	90	22.62	2520.00	30.18	582.15	0.000000	0.00	0.000
12-17-S	100	90	22.62	2520.00	17.49	582.15	0.000000	0.00	0.000
12-18-S	100	90	22.62	2520.00	9.04	582.15	0.000000	0.00	0.000
12-19-S	100	90	22.62	2520.00	2.68	582.15	0.000000	0.00	0.000
13-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
13-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
13-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
13-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
13-5-S	100	90	22.62	2520.00	-70.88	-582.15	0.000000	0.00	0.000
13-6-S	100	90	22.62	2520.00	-35.40	-582.15	0.000000	0.00	0.000
13-7-S	100	90	22.62	2520.00	0.39	-582.15	0.000000	0.00	0.000
13-8-S	100	90	22.62	2520.00	25.13	582.15	0.000000	0.00	0.000
13-9-S	100	90	22.62	2520.00	48.59	582.15	0.000000	0.00	0.000
13-10-S	100	90	22.62	2520.00	63.59	582.15	0.000000	0.00	0.000
13-11-S	100	90	22.62	2520.00	75.56	582.15	0.000000	0.00	0.000
13-12-S	100	90	22.62	2520.00	79.64	582.15	0.000000	0.00	0.000
13-13-S	100	90	22.62	2520.00	78.55	582.15	0.000000	0.00	0.000
13-14-S	100	90	22.62	2520.00	58.71	-582.15	0.000000	0.00	0.000
13-15-S	100	90	22.62	2520.00	22.13	-582.15	0.000000	0.00	0.000
13-16-S	100	90	22.62	2520.00	-24.98	-582.15	0.000000	0.00	0.000
13-17-S	100	90	22.62	2520.00	-22.62	-582.15	0.000000	0.00	0.000
13-18-S	100	90	22.62	2520.00	-14.63	-582.15	0.000000	0.00	0.000
13-19-S	100	90	22.62	2520.00	-3.11	-582.15	0.000000	0.00	0.000
14-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
14-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
14-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
14-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
14-5-S	100	90	22.62	2520.00	-73.35	-582.15	0.000000	0.00	0.000
14-6-S	100	90	22.62	2520.00	-37.82	-582.15	0.000000	0.00	0.000
14-7-S	100	90	22.62	2520.00	-2.39	-582.15	0.000000	0.00	0.000
14-8-S	100	90	22.62	2520.00	22.89	582.15	0.000000	0.00	0.000
14-9-S	100	90	22.62	2520.00	46.50	582.15	0.000000	0.00	0.000
14-10-S	100	90	22.62	2520.00	61.67	582.15	0.000000	0.00	0.000
14-11-S	100	90	22.62	2520.00	73.85	582.15	0.000000	0.00	0.000
14-12-S	100	90	22.62	2520.00	78.15	582.15	0.000000	0.00	0.000
14-13-S	100	90	22.62	2520.00	77.29	582.15	0.000000	0.00	0.000
14-14-S	100	90	22.62	2520.00	57.78	-582.15	0.000000	0.00	0.000
14-15-S	100	90	22.62	2520.00	22.16	-582.15	0.000000	0.00	0.000
14-16-S	100	90	22.62	2520.00	-25.62	-582.15	0.000000	0.00	0.000
14-17-S	100	90	22.62	2520.00	-23.12	-582.15	0.000000	0.00	0.000
14-18-S	100	90	22.62	2520.00	-15.00	-582.15	0.000000	0.00	0.000
14-19-S	100	90	22.62	2520.00	-3.61	-582.15	0.000000	0.00	0.000
15-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
15-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
15-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
15-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
15-5-S	100	90	22.62	2520.00	-76.24	-582.15	0.000000	0.00	0.000
15-6-S	100	90	22.62	2520.00	-40.90	-582.15	0.000000	0.00	0.000
15-7-S	100	90	22.62	2520.00	-5.57	-582.15	0.000000	0.00	0.000
15-8-S	100	90	22.62	2520.00	18.22	582.15	0.000000	0.00	0.000
15-9-S	100	90	22.62	2520.00	40.26	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
15-10-S	100	90	22.62	2520.00	51.83	582.15	0.000000	0.00	0.000
15-11-S	100	90	22.62	2520.00	59.67	582.15	0.000000	0.00	0.000
15-12-S	100	90	22.62	2520.00	60.83	582.15	0.000000	0.00	0.000
15-13-S	100	90	22.62	2520.00	57.65	582.15	0.000000	0.00	0.000
15-14-S	100	90	22.62	2520.00	50.78	582.15	0.000000	0.00	0.000
15-15-S	100	90	22.62	2520.00	39.84	582.15	0.000000	0.00	0.000
15-16-S	100	90	22.62	2520.00	28.53	582.15	0.000000	0.00	0.000
15-17-S	100	90	22.62	2520.00	16.50	582.15	0.000000	0.00	0.000
15-18-S	100	90	22.62	2520.00	8.50	582.15	0.000000	0.00	0.000
15-19-S	100	90	22.62	2520.00	2.46	582.15	0.000000	0.00	0.000
16-1-S	100	90	27.14	2520.00	0.01	-598.17	0.000000	0.00	0.000
16-2-S	100	90	27.14	2520.00	-1.15	-598.17	0.000000	0.00	0.000
16-3-S	100	90	27.14	2520.00	-2.30	-598.17	0.000000	0.00	0.000
16-4-S	100	90	27.14	2520.00	-3.45	-598.17	0.000000	0.00	0.000
16-5-S	100	90	27.14	2520.00	-75.20	-598.17	0.000000	0.00	0.000
16-6-S	100	90	27.14	2520.00	-39.68	-598.17	0.000000	0.00	0.000
16-7-S	100	90	27.14	2520.00	-4.17	-598.17	0.000000	0.00	0.000
16-8-S	100	90	27.14	2520.00	21.07	598.17	0.000000	0.00	0.000
16-9-S	100	90	27.14	2520.00	44.76	598.17	0.000000	0.00	0.000
16-10-S	100	90	27.14	2520.00	60.06	598.17	0.000000	0.00	0.000
16-11-S	100	90	27.14	2520.00	72.38	598.17	0.000000	0.00	0.000
16-12-S	100	90	27.14	2520.00	76.84	598.17	0.000000	0.00	0.000
16-13-S	100	90	27.14	2520.00	76.18	598.17	0.000000	0.00	0.000
16-14-S	100	90	27.14	2520.00	56.83	-598.17	0.000000	0.00	0.000
16-15-S	100	90	27.14	2520.00	21.41	-598.17	0.000000	0.00	0.000
16-16-S	100	90	27.14	2520.00	-25.72	-598.17	0.000000	0.00	0.000
16-17-S	100	90	27.14	2520.00	-23.07	-598.17	0.000000	0.00	0.000
16-18-S	100	90	27.14	2520.00	-14.96	-598.17	0.000000	0.00	0.000
16-19-S	100	90	27.14	2520.00	-3.47	-598.17	0.000000	0.00	0.000
17-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
17-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
17-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
17-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
17-5-S	100	90	22.62	2520.00	-75.20	-582.15	0.000000	0.00	0.000
17-6-S	100	90	22.62	2520.00	-39.68	-582.15	0.000000	0.00	0.000
17-7-S	100	90	22.62	2520.00	-4.17	-582.15	0.000000	0.00	0.000
17-8-S	100	90	22.62	2520.00	21.07	582.15	0.000000	0.00	0.000
17-9-S	100	90	22.62	2520.00	44.76	582.15	0.000000	0.00	0.000
17-10-S	100	90	22.62	2520.00	60.06	582.15	0.000000	0.00	0.000
17-11-S	100	90	22.62	2520.00	72.38	582.15	0.000000	0.00	0.000
17-12-S	100	90	22.62	2520.00	76.84	582.15	0.000000	0.00	0.000
17-13-S	100	90	22.62	2520.00	76.18	582.15	0.000000	0.00	0.000
17-14-S	100	90	22.62	2520.00	56.83	-582.15	0.000000	0.00	0.000
17-15-S	100	90	22.62	2520.00	21.41	-582.15	0.000000	0.00	0.000
17-16-S	100	90	22.62	2520.00	-25.72	-582.15	0.000000	0.00	0.000
17-17-S	100	90	22.62	2520.00	-23.07	-582.15	0.000000	0.00	0.000
17-18-S	100	90	22.62	2520.00	-14.96	-582.15	0.000000	0.00	0.000
17-19-S	100	90	22.62	2520.00	-3.47	-582.15	0.000000	0.00	0.000
18-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
18-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
18-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
18-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
18-5-S	100	90	22.62	2520.00	-76.24	-582.15	0.000000	0.00	0.000
18-6-S	100	90	22.62	2520.00	-40.90	-582.15	0.000000	0.00	0.000
18-7-S	100	90	22.62	2520.00	-5.57	-582.15	0.000000	0.00	0.000
18-8-S	100	90	22.62	2520.00	18.22	582.15	0.000000	0.00	0.000
18-9-S	100	90	22.62	2520.00	40.26	582.15	0.000000	0.00	0.000
18-10-S	100	90	22.62	2520.00	51.83	582.15	0.000000	0.00	0.000
18-11-S	100	90	22.62	2520.00	59.67	582.15	0.000000	0.00	0.000
18-12-S	100	90	22.62	2520.00	60.83	582.15	0.000000	0.00	0.000
18-13-S	100	90	22.62	2520.00	57.65	582.15	0.000000	0.00	0.000
18-14-S	100	90	22.62	2520.00	50.78	582.15	0.000000	0.00	0.000
18-15-S	100	90	22.62	2520.00	39.84	582.15	0.000000	0.00	0.000
18-16-S	100	90	22.62	2520.00	28.53	582.15	0.000000	0.00	0.000
18-17-S	100	90	22.62	2520.00	16.50	582.15	0.000000	0.00	0.000
18-18-S	100	90	22.62	2520.00	8.50	582.15	0.000000	0.00	0.000
18-19-S	100	90	22.62	2520.00	2.46	582.15	0.000000	0.00	0.000
19-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
19-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
19-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
19-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
19-5-S	100	90	22.62	2520.00	-73.35	-582.15	0.000000	0.00	0.000
19-6-S	100	90	22.62	2520.00	-37.82	-582.15	0.000000	0.00	0.000
19-7-S	100	90	22.62	2520.00	-2.39	-582.15	0.000000	0.00	0.000
19-8-S	100	90	22.62	2520.00	22.89	582.15	0.000000	0.00	0.000
19-9-S	100	90	22.62	2520.00	46.50	582.15	0.000000	0.00	0.000
19-10-S	100	90	22.62	2520.00	61.67	582.15	0.000000	0.00	0.000
19-11-S	100	90	22.62	2520.00	73.85	582.15	0.000000	0.00	0.000
19-12-S	100	90	22.62	2520.00	78.15	582.15	0.000000	0.00	0.000
19-13-S	100	90	22.62	2520.00	77.29	582.15	0.000000	0.00	0.000
19-14-S	100	90	22.62	2520.00	57.78	-582.15	0.000000	0.00	0.000
19-15-S	100	90	22.62	2520.00	22.16	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
19-16-S	100	90	22.62	2520.00	-25.62	-582.15	0.000000	0.00	0.000
19-17-S	100	90	22.62	2520.00	-23.12	-582.15	0.000000	0.00	0.000
19-18-S	100	90	22.62	2520.00	-15.00	-582.15	0.000000	0.00	0.000
19-19-S	100	90	22.62	2520.00	-3.61	-582.15	0.000000	0.00	0.000
20-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
20-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
20-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
20-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
20-5-S	100	90	22.62	2520.00	-70.88	-582.15	0.000000	0.00	0.000
20-6-S	100	90	22.62	2520.00	-35.40	-582.15	0.000000	0.00	0.000
20-7-S	100	90	22.62	2520.00	0.39	-582.15	0.000000	0.00	0.000
20-8-S	100	90	22.62	2520.00	25.13	582.15	0.000000	0.00	0.000
20-9-S	100	90	22.62	2520.00	48.59	582.15	0.000000	0.00	0.000
20-10-S	100	90	22.62	2520.00	63.59	582.15	0.000000	0.00	0.000
20-11-S	100	90	22.62	2520.00	75.56	582.15	0.000000	0.00	0.000
20-12-S	100	90	22.62	2520.00	79.64	582.15	0.000000	0.00	0.000
20-13-S	100	90	22.62	2520.00	78.55	582.15	0.000000	0.00	0.000
20-14-S	100	90	22.62	2520.00	58.71	-582.15	0.000000	0.00	0.000
20-15-S	100	90	22.62	2520.00	22.13	-582.15	0.000000	0.00	0.000
20-16-S	100	90	22.62	2520.00	-24.98	-582.15	0.000000	0.00	0.000
20-17-S	100	90	22.62	2520.00	-22.62	-582.15	0.000000	0.00	0.000
20-18-S	100	90	22.62	2520.00	-14.63	-582.15	0.000000	0.00	0.000
20-19-S	100	90	22.62	2520.00	-3.11	-582.15	0.000000	0.00	0.000
21-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
21-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
21-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
21-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
21-5-S	100	90	22.62	2520.00	-68.15	-582.15	0.000000	0.00	0.000
21-6-S	100	90	22.62	2520.00	-33.06	-582.15	0.000000	0.00	0.000
21-7-S	100	90	22.62	2520.00	2.23	-582.15	0.000000	0.00	0.000
21-8-S	100	90	22.62	2520.00	25.35	582.15	0.000000	0.00	0.000
21-9-S	100	90	22.62	2520.00	46.88	582.15	0.000000	0.00	0.000
21-10-S	100	90	22.62	2520.00	57.82	582.15	0.000000	0.00	0.000
21-11-S	100	90	22.62	2520.00	64.99	582.15	0.000000	0.00	0.000
21-12-S	100	90	22.62	2520.00	65.44	582.15	0.000000	0.00	0.000
21-13-S	100	90	22.62	2520.00	61.50	582.15	0.000000	0.00	0.000
21-14-S	100	90	22.62	2520.00	53.89	582.15	0.000000	0.00	0.000
21-15-S	100	90	22.62	2520.00	42.21	582.15	0.000000	0.00	0.000
21-16-S	100	90	22.62	2520.00	30.18	582.15	0.000000	0.00	0.000
21-17-S	100	90	22.62	2520.00	17.49	582.15	0.000000	0.00	0.000
21-18-S	100	90	22.62	2520.00	9.04	582.15	0.000000	0.00	0.000
21-19-S	100	90	22.62	2520.00	2.68	582.15	0.000000	0.00	0.000
22-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
22-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
22-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
22-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
22-5-S	100	90	22.62	2520.00	-59.39	-582.15	0.000000	0.00	0.000
22-6-S	100	90	22.62	2520.00	-24.62	-582.15	0.000000	0.00	0.000
22-7-S	100	90	22.62	2520.00	10.15	582.15	0.000000	0.00	0.000
22-8-S	100	90	22.62	2520.00	34.29	582.15	0.000000	0.00	0.000
22-9-S	100	90	22.62	2520.00	56.83	582.15	0.000000	0.00	0.000
22-10-S	100	90	22.62	2520.00	70.84	582.15	0.000000	0.00	0.000
22-11-S	100	90	22.62	2520.00	81.82	582.15	0.000000	0.00	0.000
22-12-S	100	90	22.62	2520.00	84.92	582.15	0.000000	0.00	0.000
22-13-S	100	90	22.62	2520.00	82.85	582.15	0.000000	0.00	0.000
22-14-S	100	90	22.62	2520.00	62.18	-582.15	0.000000	0.00	0.000
22-15-S	100	90	22.62	2520.00	25.40	-582.15	0.000000	0.00	0.000
22-16-S	100	90	22.62	2520.00	-24.93	-582.15	0.000000	0.00	0.000
22-17-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
22-18-S	100	90	22.62	2520.00	-14.98	-582.15	0.000000	0.00	0.000
22-19-S	100	90	22.62	2520.00	-3.95	-582.15	0.000000	0.00	0.000
23-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
23-2-S	100	90	22.62	2520.00	-1.06	-582.15	0.000000	0.00	0.000
23-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
23-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
23-5-S	100	90	22.62	2520.00	-48.19	-582.15	0.000000	0.00	0.000
23-6-S	100	90	22.62	2520.00	-14.56	-582.15	0.000000	0.00	0.000
23-7-S	100	90	22.62	2520.00	19.07	582.15	0.000000	0.00	0.000
23-8-S	100	90	22.62	2520.00	42.09	582.15	0.000000	0.00	0.000
23-9-S	100	90	22.62	2520.00	63.51	582.15	0.000000	0.00	0.000
23-10-S	100	90	22.62	2520.00	76.49	582.15	0.000000	0.00	0.000
23-11-S	100	90	22.62	2520.00	86.48	582.15	0.000000	0.00	0.000
23-12-S	100	90	22.62	2520.00	88.68	582.15	0.000000	0.00	0.000
23-13-S	100	90	22.62	2520.00	85.79	582.15	0.000000	0.00	0.000
23-14-S	100	90	22.62	2520.00	64.29	-582.15	0.000000	0.00	0.000
23-15-S	100	90	22.62	2520.00	24.62	-582.15	0.000000	0.00	0.000
23-16-S	100	90	22.62	2520.00	-22.94	-582.15	0.000000	0.00	0.000
23-17-S	100	90	22.62	2520.00	-21.38	-582.15	0.000000	0.00	0.000
23-18-S	100	90	22.62	2520.00	-14.08	-582.15	0.000000	0.00	0.000
23-19-S	100	90	22.62	2520.00	-2.63	-582.15	0.000000	0.00	0.000
24-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
24-2-S	100	90	22.62	2520.00	-1.10	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
24-3-S	100	90	22.62	2520.00	-2.20	-582.15	0.000000	0.00	0.000
24-4-S	100	90	22.62	2520.00	-3.31	-582.15	0.000000	0.00	0.000
24-5-S	100	90	22.62	2520.00	-33.77	-582.15	0.000000	0.00	0.000
24-6-S	100	90	22.62	2520.00	-4.62	-582.15	0.000000	0.00	0.000
24-7-S	100	90	22.62	2520.00	28.78	582.15	0.000000	0.00	0.000
24-8-S	100	90	22.62	2520.00	48.55	582.15	0.000000	0.00	0.000
24-9-S	100	90	22.62	2520.00	66.58	582.15	0.000000	0.00	0.000
24-10-S	100	90	22.62	2520.00	74.38	582.15	0.000000	0.00	0.000
24-11-S	100	90	22.62	2520.00	78.54	582.15	0.000000	0.00	0.000
24-12-S	100	90	22.62	2520.00	76.32	582.15	0.000000	0.00	0.000
24-13-S	100	90	22.62	2520.00	69.95	582.15	0.000000	0.00	0.000
24-14-S	100	90	22.62	2520.00	60.18	582.15	0.000000	0.00	0.000
24-15-S	100	90	22.62	2520.00	46.64	582.15	0.000000	0.00	0.000
24-16-S	100	90	22.62	2520.00	32.95	582.15	0.000000	0.00	0.000
24-17-S	100	90	22.62	2520.00	18.99	582.15	0.000000	0.00	0.000
24-18-S	100	90	22.62	2520.00	9.78	582.15	0.000000	0.00	0.000
24-19-S	100	90	22.62	2520.00	2.89	582.15	0.000000	0.00	0.000
25-1-S	100	90	22.62	2520.00	0.04	-582.15	0.000000	0.00	0.000
25-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
25-3-S	100	90	22.62	2520.00	-2.17	-582.15	0.000000	0.00	0.000
25-4-S	100	90	22.62	2520.00	-3.28	-582.15	0.000000	0.00	0.000
25-5-S	100	90	22.62	2520.00	-13.14	-582.15	0.000000	0.00	0.000
25-6-S	100	90	22.62	2520.00	15.23	-582.15	0.000000	0.00	0.000
25-7-S	100	90	22.62	2520.00	43.40	582.15	0.000000	0.00	0.000
25-8-S	100	90	22.62	2520.00	62.41	582.15	0.000000	0.00	0.000
25-9-S	100	90	22.62	2520.00	80.01	582.15	0.000000	0.00	0.000
25-10-S	100	90	22.62	2520.00	89.83	582.15	0.000000	0.00	0.000
25-11-S	100	90	22.62	2520.00	96.86	582.15	0.000000	0.00	0.000
25-12-S	100	90	22.62	2520.00	96.85	582.15	0.000000	0.00	0.000
25-13-S	100	90	22.62	2520.00	92.36	-582.15	0.000000	0.00	0.000
25-14-S	100	90	22.62	2520.00	69.83	-582.15	0.000000	0.00	0.000
25-15-S	100	90	22.62	2520.00	30.34	-582.15	0.000000	0.00	0.000
25-16-S	100	90	22.62	2520.00	-26.71	-582.15	0.000000	0.00	0.000
25-17-S	100	90	22.62	2520.00	-24.96	-582.15	0.000000	0.00	0.000
25-18-S	100	90	22.62	2520.00	-16.68	-582.15	0.000000	0.00	0.000
25-19-S	100	90	22.62	2520.00	-5.76	-582.15	0.000000	0.00	0.000
26-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
26-2-S	100	90	22.62	2520.00	-1.14	-582.15	0.000000	0.00	0.000
26-3-S	100	90	22.62	2520.00	-2.31	-582.15	0.000000	0.00	0.000
26-4-S	100	90	22.62	2520.00	-3.48	-582.15	0.000000	0.00	0.000
26-5-S	100	90	22.62	2520.00	-2.51	-582.15	0.000000	0.00	0.000
26-6-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
26-7-S	100	90	22.62	2520.00	52.88	582.15	0.000000	0.00	0.000
26-8-S	100	90	22.62	2520.00	71.38	582.15	0.000000	0.00	0.000
26-9-S	100	90	22.62	2520.00	88.53	582.15	0.000000	0.00	0.000
26-10-S	100	90	22.62	2520.00	97.01	582.15	0.000000	0.00	0.000
26-11-S	100	90	22.62	2520.00	102.34	582.15	0.000000	0.00	0.000
26-12-S	100	90	22.62	2520.00	99.94	582.15	0.000000	0.00	0.000
26-13-S	100	90	22.62	2520.00	92.54	-582.15	0.000000	0.00	0.000
26-14-S	100	90	22.62	2520.00	67.75	-582.15	0.000000	0.00	0.000
26-15-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
26-16-S	100	90	22.62	2520.00	-21.49	-582.15	0.000000	0.00	0.000
26-17-S	100	90	22.62	2520.00	-20.52	-582.15	0.000000	0.00	0.000
26-18-S	100	90	22.62	2520.00	-13.05	-582.15	0.000000	0.00	0.000
26-19-S	100	90	22.62	2520.00	-2.53	-582.15	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=100.000$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	wm [mm]
1	1	22.62	600.40	269.12	-273.04	436.03	0.000000	0.00	0.00
2	1	19.01	504.12	301.49	-273.04	890.61	0.000000	0.00	0.00

Combinazioni SLEF

Paramento

Apertura limite fessure $w_{lim}=0.30$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	0.00	0.00	0.00	0.00	---	---	0.000 (6)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
2	100	31	22.62	1073.49	0.03	69.09	0.000000	0.00	0.000 (6)
3	100	31	22.62	1101.78	0.12	72.65	0.000000	0.00	0.000 (6)
4	100	32	22.62	1130.15	0.28	76.29	0.000000	0.00	0.000 (6)
5	100	33	22.62	1158.57	0.51	80.01	0.000000	0.00	0.000 (6)
6	100	34	22.62	1187.06	0.81	83.80	0.000000	0.00	0.000 (6)
7	100	34	22.62	1215.61	1.20	87.67	0.000000	0.00	0.000 (6)
8	100	35	22.62	1244.22	1.67	91.62	0.000000	0.00	0.000 (6)
9	100	36	22.62	1272.89	2.23	95.64	0.000000	0.00	0.000 (6)
10	100	37	22.62	1301.61	2.89	99.74	0.000000	0.00	0.000 (6)
11	100	37	22.62	1330.38	3.65	103.92	0.000000	0.00	0.000 (6)
12	100	38	22.62	1359.20	4.51	108.17	0.000000	0.00	0.000 (6)
13	100	39	22.62	1388.08	5.48	112.49	0.000000	0.00	0.000 (6)
14	100	40	22.62	1417.00	6.56	116.89	0.000000	0.00	0.000 (6)
15	100	40	22.62	1445.98	7.76	121.37	0.000000	0.00	0.000 (6)
16	100	41	22.62	1474.99	9.09	125.92	0.000000	0.00	0.000 (6)
17	100	42	22.62	1504.06	10.54	130.54	0.000000	0.00	0.000 (6)
18	100	42	22.62	1533.17	12.13	135.24	0.000000	0.00	0.000 (6)
19	100	43	22.62	1562.32	13.85	140.02	0.000000	0.00	0.000 (6)
20	100	44	22.62	1591.51	15.71	144.87	0.000000	0.00	0.000 (6)
21	100	45	22.62	1620.74	17.72	149.79	0.000000	0.00	0.000 (6)
22	100	45	22.62	1650.02	19.89	154.78	0.000000	0.00	0.000 (6)
23	100	46	22.62	1679.32	22.21	159.86	0.000000	0.00	0.000 (6)
24	100	47	22.62	1708.67	24.69	165.00	0.000000	0.00	0.000 (6)
25	100	48	22.62	1738.05	27.33	170.22	0.000000	0.00	0.000 (6)
26	100	48	22.62	1767.47	30.15	175.50	0.000000	0.00	0.000 (6)
27	100	49	22.62	1796.92	33.14	180.87	0.000000	0.00	0.000 (6)
28	100	50	22.62	1826.41	36.31	186.31	0.000000	0.00	0.000 (6)
29	100	51	22.62	1855.93	39.66	191.83	0.000000	0.00	0.000 (6)
30	100	51	22.62	1885.48	43.20	197.41	0.000000	0.00	0.000 (6)
31	100	52	22.62	1915.06	46.94	203.07	0.000000	0.00	0.000 (6)
32	100	53	22.62	1944.68	50.87	208.81	0.000000	0.00	0.000 (6)
33	100	53	22.62	1974.32	55.01	214.61	0.000000	0.00	0.000 (6)
34	100	54	22.62	2003.99	59.36	220.50	0.000000	0.00	0.000 (6)
35	100	55	22.62	2033.69	63.92	226.45	0.000000	0.00	0.000 (6)
36	100	56	22.62	2063.42	68.69	232.48	0.000000	0.00	0.000 (6)
37	100	56	22.62	2093.18	73.69	238.59	0.000000	0.00	0.000 (6)
38	100	57	22.62	2122.96	78.91	244.76	0.000000	0.00	0.000 (6)
39	100	58	22.62	2152.77	84.37	251.01	0.000000	0.00	0.000 (6)
40	100	59	22.62	2182.61	90.06	257.33	0.000000	0.00	0.000 (6)
41	100	59	22.62	2212.47	95.99	263.73	0.000000	0.00	0.000 (6)
42	100	60	22.62	2239.28	102.17	269.56	0.000000	0.00	0.000 (6)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.30$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	55	90	18.10	1386.00	-0.20	-340.21	0.000000	0.00	0.000
1-2-P	55	90	18.10	1386.00	-0.22	-340.21	0.000000	0.00	0.000
1-3-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-4-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-5-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-6-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-7-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-8-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-9-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-10-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-11-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-12-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-13-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-14-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-15-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-16-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-17-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-18-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-19-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-20-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-21-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-22-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-23-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-24-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-25-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-26-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-27-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-28-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-29-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-30-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-31-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-32-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-33-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-34-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-35-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-36-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-37-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-38-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-39-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-40-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-41-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-42-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-43-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-44-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-45-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-46-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-47-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-48-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-49-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-50-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-51-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-52-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-53-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-54-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-55-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-56-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-57-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-58-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-59-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-60-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-61-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-62-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-63-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-64-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-65-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-66-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-67-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-68-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-69-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-70-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-71-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-72-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-73-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-74-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-75-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-76-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-77-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-78-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
1-79-P	55	90	18.10	1386.00	-0.21	-340.21	0.000000	0.00	0.000
1-80-P	55	90	18.10	1386.00	-0.21	-340.21	0.000000	0.00	0.000
1-81-P	55	90	18.10	1386.00	-0.22	-340.21	0.000000	0.00	0.000
3-1-P	84	90	22.62	2110.50	1.75	-500.57	0.000000	0.00	0.000
3-2-P	84	90	22.62	2110.50	2.37	-500.57	0.000000	0.00	0.000
3-3-P	84	90	22.62	2110.50	3.17	-500.57	0.000000	0.00	0.000
3-4-P	84	90	22.62	2110.50	4.51	-500.57	0.000000	0.00	0.000
3-5-P	84	90	22.62	2110.50	5.93	-500.57	0.000000	0.00	0.000
3-6-P	84	90	22.62	2110.50	6.47	-500.57	0.000000	0.00	0.000
3-7-P	84	90	22.62	2110.50	7.07	-500.57	0.000000	0.00	0.000
3-8-P	84	90	22.62	2110.50	7.32	-500.57	0.000000	0.00	0.000
3-9-P	84	90	22.62	2110.50	7.34	-500.57	0.000000	0.00	0.000
3-10-P	84	90	22.62	2110.50	7.29	-500.57	0.000000	0.00	0.000
3-11-P	84	90	22.62	2110.50	6.87	-500.57	0.000000	0.00	0.000
3-12-P	84	90	22.62	2110.50	6.48	-500.57	0.000000	0.00	0.000
3-13-P	84	90	22.62	2110.50	5.96	-500.57	0.000000	0.00	0.000
3-14-P	84	90	22.62	2110.50	5.39	-500.57	0.000000	0.00	0.000
3-15-P	84	90	22.62	2110.50	4.89	-500.57	0.000000	0.00	0.000
3-16-P	84	90	22.62	2110.50	4.47	-500.57	0.000000	0.00	0.000
3-17-P	84	90	22.62	2110.50	4.05	-500.57	0.000000	0.00	0.000
3-18-P	84	90	22.62	2110.50	3.82	-500.57	0.000000	0.00	0.000
3-19-P	84	90	22.62	2110.50	-3.66	-500.57	0.000000	0.00	0.000
3-20-P	84	90	22.62	2110.50	-3.91	-500.57	0.000000	0.00	0.000
3-21-P	84	90	22.62	2110.50	-4.15	-500.57	0.000000	0.00	0.000
3-22-P	84	90	22.62	2110.50	-4.37	-500.57	0.000000	0.00	0.000
3-23-P	84	90	22.62	2110.50	-4.52	-500.57	0.000000	0.00	0.000
3-24-P	84	90	22.62	2110.50	-4.69	-500.57	0.000000	0.00	0.000
3-25-P	84	90	22.62	2110.50	-4.82	-500.57	0.000000	0.00	0.000
3-26-P	84	90	22.62	2110.50	-4.94	-500.57	0.000000	0.00	0.000
3-27-P	84	90	22.62	2110.50	-5.06	-500.57	0.000000	0.00	0.000
3-28-P	84	90	22.62	2110.50	-5.16	-500.57	0.000000	0.00	0.000
3-29-P	84	90	22.62	2110.50	-5.26	-500.57	0.000000	0.00	0.000
3-30-P	84	90	22.62	2110.50	-5.36	-500.57	0.000000	0.00	0.000
3-31-P	84	90	22.62	2110.50	-5.47	-500.57	0.000000	0.00	0.000
3-32-P	84	90	22.62	2110.50	-5.55	-500.57	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-33-P	84	90	22.62	2110.50	-5.61	-500.57	0.000000	0.00	0.000
3-34-P	84	90	22.62	2110.50	-5.67	-500.57	0.000000	0.00	0.000
3-35-P	84	90	22.62	2110.50	-5.69	-500.57	0.000000	0.00	0.000
3-36-P	84	90	22.62	2110.50	-5.73	-500.57	0.000000	0.00	0.000
3-37-P	84	90	22.62	2110.50	-5.75	-500.57	0.000000	0.00	0.000
3-38-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-39-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-40-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-41-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-42-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-43-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-44-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-45-P	84	90	22.62	2110.50	-5.75	-500.57	0.000000	0.00	0.000
3-46-P	84	90	22.62	2110.50	-5.73	-500.57	0.000000	0.00	0.000
3-47-P	84	90	22.62	2110.50	-5.69	-500.57	0.000000	0.00	0.000
3-48-P	84	90	22.62	2110.50	-5.67	-500.57	0.000000	0.00	0.000
3-49-P	84	90	22.62	2110.50	-5.61	-500.57	0.000000	0.00	0.000
3-50-P	84	90	22.62	2110.50	-5.55	-500.57	0.000000	0.00	0.000
3-51-P	84	90	22.62	2110.50	-5.47	-500.57	0.000000	0.00	0.000
3-52-P	84	90	22.62	2110.50	-5.36	-500.57	0.000000	0.00	0.000
3-53-P	84	90	22.62	2110.50	-5.26	-500.57	0.000000	0.00	0.000
3-54-P	84	90	22.62	2110.50	-5.16	-500.57	0.000000	0.00	0.000
3-55-P	84	90	22.62	2110.50	-5.06	-500.57	0.000000	0.00	0.000
3-56-P	84	90	22.62	2110.50	-4.94	-500.57	0.000000	0.00	0.000
3-57-P	84	90	22.62	2110.50	-4.82	-500.57	0.000000	0.00	0.000
3-58-P	84	90	22.62	2110.50	-4.69	-500.57	0.000000	0.00	0.000
3-59-P	84	90	22.62	2110.50	-4.52	-500.57	0.000000	0.00	0.000
3-60-P	84	90	22.62	2110.50	-4.37	-500.57	0.000000	0.00	0.000
3-61-P	84	90	22.62	2110.50	-4.15	-500.57	0.000000	0.00	0.000
3-62-P	84	90	22.62	2110.50	-3.91	-500.57	0.000000	0.00	0.000
3-63-P	84	90	22.62	2110.50	-3.66	-500.57	0.000000	0.00	0.000
3-64-P	84	90	22.62	2110.50	3.82	-500.57	0.000000	0.00	0.000
3-65-P	84	90	22.62	2110.50	4.05	-500.57	0.000000	0.00	0.000
3-66-P	84	90	22.62	2110.50	4.47	-500.57	0.000000	0.00	0.000
3-67-P	84	90	22.62	2110.50	4.89	-500.57	0.000000	0.00	0.000
3-68-P	84	90	22.62	2110.50	5.39	-500.57	0.000000	0.00	0.000
3-69-P	84	90	22.62	2110.50	5.96	-500.57	0.000000	0.00	0.000
3-70-P	84	90	22.62	2110.50	6.48	-500.57	0.000000	0.00	0.000
3-71-P	84	90	22.62	2110.50	6.87	-500.57	0.000000	0.00	0.000
3-72-P	84	90	22.62	2110.50	7.29	-500.57	0.000000	0.00	0.000
3-73-P	84	90	22.62	2110.50	7.34	-500.57	0.000000	0.00	0.000
3-74-P	84	90	22.62	2110.50	7.32	-500.57	0.000000	0.00	0.000
3-75-P	84	90	22.62	2110.50	7.07	-500.57	0.000000	0.00	0.000
3-76-P	84	90	22.62	2110.50	6.47	-500.57	0.000000	0.00	0.000
3-77-P	84	90	22.62	2110.50	5.93	-500.57	0.000000	0.00	0.000
3-78-P	84	90	22.62	2110.50	4.51	-500.57	0.000000	0.00	0.000
3-79-P	84	90	22.62	2110.50	3.17	-500.57	0.000000	0.00	0.000
3-80-P	84	90	22.62	2110.50	2.37	-500.57	0.000000	0.00	0.000
3-81-P	84	90	22.62	2110.50	1.75	-500.57	0.000000	0.00	0.000
4-1-P	84	90	18.10	2110.50	-1.77	-484.54	0.000000	0.00	0.000
4-2-P	84	90	18.10	2110.50	1.54	-484.54	0.000000	0.00	0.000
4-3-P	84	90	18.10	2110.50	3.36	-484.54	0.000000	0.00	0.000
4-4-P	84	90	18.10	2110.50	7.23	484.54	0.000000	0.00	0.000
4-5-P	84	90	18.10	2110.50	11.33	484.54	0.000000	0.00	0.000
4-6-P	84	90	18.10	2110.50	14.02	484.54	0.000000	0.00	0.000
4-7-P	84	90	18.10	2110.50	16.71	484.54	0.000000	0.00	0.000
4-8-P	84	90	18.10	2110.50	19.48	484.54	0.000000	0.00	0.000
4-9-P	84	90	18.10	2110.50	22.32	484.54	0.000000	0.00	0.000
4-10-P	84	90	18.10	2110.50	24.61	484.54	0.000000	0.00	0.000
4-11-P	84	90	18.10	2110.50	24.79	484.54	0.000000	0.00	0.000
4-12-P	84	90	18.10	2110.50	24.96	484.54	0.000000	0.00	0.000
4-13-P	84	90	18.10	2110.50	23.31	484.54	0.000000	0.00	0.000
4-14-P	84	90	18.10	2110.50	21.21	484.54	0.000000	0.00	0.000
4-15-P	84	90	18.10	2110.50	19.73	484.54	0.000000	0.00	0.000
4-16-P	84	90	18.10	2110.50	19.18	484.54	0.000000	0.00	0.000
4-17-P	84	90	18.10	2110.50	18.63	484.54	0.000000	0.00	0.000
4-18-P	84	90	18.10	2110.50	18.30	484.54	0.000000	0.00	0.000
4-19-P	84	90	18.10	2110.50	17.96	484.54	0.000000	0.00	0.000
4-20-P	84	90	18.10	2110.50	18.67	484.54	0.000000	0.00	0.000
4-21-P	84	90	18.10	2110.50	20.09	484.54	0.000000	0.00	0.000
4-22-P	84	90	18.10	2110.50	21.14	484.54	0.000000	0.00	0.000
4-23-P	84	90	18.10	2110.50	20.76	484.54	0.000000	0.00	0.000
4-24-P	84	90	18.10	2110.50	20.38	484.54	0.000000	0.00	0.000
4-25-P	84	90	18.10	2110.50	18.57	484.54	0.000000	0.00	0.000
4-26-P	84	90	18.10	2110.50	16.40	484.54	0.000000	0.00	0.000
4-27-P	84	90	18.10	2110.50	14.95	484.54	0.000000	0.00	0.000
4-28-P	84	90	18.10	2110.50	14.57	484.54	0.000000	0.00	0.000
4-29-P	84	90	18.10	2110.50	14.19	484.54	0.000000	0.00	0.000
4-30-P	84	90	18.10	2110.50	14.12	484.54	0.000000	0.00	0.000
4-31-P	84	90	18.10	2110.50	14.05	484.54	0.000000	0.00	0.000
4-32-P	84	90	18.10	2110.50	15.05	484.54	0.000000	0.00	0.000
4-33-P	84	90	18.10	2110.50	16.76	484.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-34-P	84	90	18.10	2110.50	18.10	484.54	0.000000	0.00	0.000
4-35-P	84	90	18.10	2110.50	18.01	484.54	0.000000	0.00	0.000
4-36-P	84	90	18.10	2110.50	17.91	484.54	0.000000	0.00	0.000
4-37-P	84	90	18.10	2110.50	16.37	484.54	0.000000	0.00	0.000
4-38-P	84	90	18.10	2110.50	14.46	484.54	0.000000	0.00	0.000
4-39-P	84	90	18.10	2110.50	13.26	484.54	0.000000	0.00	0.000
4-40-P	84	90	18.10	2110.50	13.11	484.54	0.000000	0.00	0.000
4-41-P	84	90	18.10	2110.50	12.97	484.54	0.000000	0.00	0.000
4-42-P	84	90	18.10	2110.50	13.11	484.54	0.000000	0.00	0.000
4-43-P	84	90	18.10	2110.50	13.26	484.54	0.000000	0.00	0.000
4-44-P	84	90	18.10	2110.50	14.46	484.54	0.000000	0.00	0.000
4-45-P	84	90	18.10	2110.50	16.37	484.54	0.000000	0.00	0.000
4-46-P	84	90	18.10	2110.50	17.91	484.54	0.000000	0.00	0.000
4-47-P	84	90	18.10	2110.50	18.01	484.54	0.000000	0.00	0.000
4-48-P	84	90	18.10	2110.50	18.10	484.54	0.000000	0.00	0.000
4-49-P	84	90	18.10	2110.50	16.76	484.54	0.000000	0.00	0.000
4-50-P	84	90	18.10	2110.50	15.05	484.54	0.000000	0.00	0.000
4-51-P	84	90	18.10	2110.50	14.05	484.54	0.000000	0.00	0.000
4-52-P	84	90	18.10	2110.50	14.12	484.54	0.000000	0.00	0.000
4-53-P	84	90	18.10	2110.50	14.19	484.54	0.000000	0.00	0.000
4-54-P	84	90	18.10	2110.50	14.57	484.54	0.000000	0.00	0.000
4-55-P	84	90	18.10	2110.50	14.95	484.54	0.000000	0.00	0.000
4-56-P	84	90	18.10	2110.50	16.40	484.54	0.000000	0.00	0.000
4-57-P	84	90	18.10	2110.50	18.57	484.54	0.000000	0.00	0.000
4-58-P	84	90	18.10	2110.50	20.38	484.54	0.000000	0.00	0.000
4-59-P	84	90	18.10	2110.50	20.76	484.54	0.000000	0.00	0.000
4-60-P	84	90	18.10	2110.50	21.14	484.54	0.000000	0.00	0.000
4-61-P	84	90	18.10	2110.50	20.09	484.54	0.000000	0.00	0.000
4-62-P	84	90	18.10	2110.50	18.67	484.54	0.000000	0.00	0.000
4-63-P	84	90	18.10	2110.50	17.96	484.54	0.000000	0.00	0.000
4-64-P	84	90	18.10	2110.50	18.30	484.54	0.000000	0.00	0.000
4-65-P	84	90	18.10	2110.50	18.63	484.54	0.000000	0.00	0.000
4-66-P	84	90	18.10	2110.50	19.18	484.54	0.000000	0.00	0.000
4-67-P	84	90	18.10	2110.50	19.73	484.54	0.000000	0.00	0.000
4-68-P	84	90	18.10	2110.50	21.21	484.54	0.000000	0.00	0.000
4-69-P	84	90	18.10	2110.50	23.31	484.54	0.000000	0.00	0.000
4-70-P	84	90	18.10	2110.50	24.96	484.54	0.000000	0.00	0.000
4-71-P	84	90	18.10	2110.50	24.79	484.54	0.000000	0.00	0.000
4-72-P	84	90	18.10	2110.50	24.61	484.54	0.000000	0.00	0.000
4-73-P	84	90	18.10	2110.50	22.32	484.54	0.000000	0.00	0.000
4-74-P	84	90	18.10	2110.50	19.48	484.54	0.000000	0.00	0.000
4-75-P	84	90	18.10	2110.50	16.71	484.54	0.000000	0.00	0.000
4-76-P	84	90	18.10	2110.50	14.02	484.54	0.000000	0.00	0.000
4-77-P	84	90	18.10	2110.50	11.33	484.54	0.000000	0.00	0.000
4-78-P	84	90	18.10	2110.50	7.23	484.54	0.000000	0.00	0.000
4-79-P	84	90	18.10	2110.50	3.36	-484.54	0.000000	0.00	0.000
4-80-P	84	90	18.10	2110.50	1.54	-484.54	0.000000	0.00	0.000
4-81-P	84	90	18.10	2110.50	-1.77	-484.54	0.000000	0.00	0.000
5-1-P	84	90	18.10	2110.50	3.63	-484.54	0.000000	0.00	0.000
5-2-P	84	90	18.10	2110.50	-2.84	-484.54	0.000000	0.00	0.000
5-3-P	84	90	18.10	2110.50	-10.03	-484.54	0.000000	0.00	0.000
5-4-P	84	90	18.10	2110.50	-18.90	-484.54	0.000000	0.00	0.000
5-5-P	84	90	18.10	2110.50	-32.94	-484.54	0.000000	0.00	0.000
5-6-P	84	90	18.10	2110.50	-16.67	-484.54	0.000000	0.00	0.000
5-7-P	84	90	18.10	2110.50	13.21	-484.54	0.000000	0.00	0.000
5-8-P	84	90	18.10	2110.50	20.34	-484.54	0.000000	0.00	0.000
5-9-P	84	90	18.10	2110.50	30.37	-484.54	0.000000	0.00	0.000
5-10-P	84	90	18.10	2110.50	38.77	-484.54	0.000000	0.00	0.000
5-11-P	84	90	18.10	2110.50	39.38	-484.54	0.000000	0.00	0.000
5-12-P	84	90	18.10	2110.50	39.99	-484.54	0.000000	0.00	0.000
5-13-P	84	90	18.10	2110.50	33.24	-484.54	0.000000	0.00	0.000
5-14-P	84	90	18.10	2110.50	24.65	-484.54	0.000000	0.00	0.000
5-15-P	84	90	18.10	2110.50	13.65	-484.54	0.000000	0.00	0.000
5-16-P	84	90	18.10	2110.50	-10.07	-484.54	0.000000	0.00	0.000
5-17-P	84	90	18.10	2110.50	-25.63	-484.54	0.000000	0.00	0.000
5-18-P	84	90	18.10	2110.50	-11.17	-484.54	0.000000	0.00	0.000
5-19-P	84	90	18.10	2110.50	14.47	-484.54	0.000000	0.00	0.000
5-20-P	84	90	18.10	2110.50	22.94	-484.54	0.000000	0.00	0.000
5-21-P	84	90	18.10	2110.50	31.17	-484.54	0.000000	0.00	0.000
5-22-P	84	90	18.10	2110.50	37.67	-484.54	0.000000	0.00	0.000
5-23-P	84	90	18.10	2110.50	37.25	-484.54	0.000000	0.00	0.000
5-24-P	84	90	18.10	2110.50	36.83	-484.54	0.000000	0.00	0.000
5-25-P	84	90	18.10	2110.50	29.52	-484.54	0.000000	0.00	0.000
5-26-P	84	90	18.10	2110.50	20.48	-484.54	0.000000	0.00	0.000
5-27-P	84	90	18.10	2110.50	10.05	-484.54	0.000000	0.00	0.000
5-28-P	84	90	18.10	2110.50	-12.23	-484.54	0.000000	0.00	0.000
5-29-P	84	90	18.10	2110.50	-27.77	-484.54	0.000000	0.00	0.000
5-30-P	84	90	18.10	2110.50	-12.76	-484.54	0.000000	0.00	0.000
5-31-P	84	90	18.10	2110.50	10.18	-484.54	0.000000	0.00	0.000
5-32-P	84	90	18.10	2110.50	18.81	-484.54	0.000000	0.00	0.000
5-33-P	84	90	18.10	2110.50	27.28	-484.54	0.000000	0.00	0.000
5-34-P	84	90	18.10	2110.50	34.04	-484.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-35-P	84	90	18.10	2110.50	33.91	484.54	0.000000	0.00	0.000
5-36-P	84	90	18.10	2110.50	33.78	484.54	0.000000	0.00	0.000
5-37-P	84	90	18.10	2110.50	26.76	484.54	0.000000	0.00	0.000
5-38-P	84	90	18.10	2110.50	18.02	484.54	0.000000	0.00	0.000
5-39-P	84	90	18.10	2110.50	8.97	-484.54	0.000000	0.00	0.000
5-40-P	84	90	18.10	2110.50	-13.28	-484.54	0.000000	0.00	0.000
5-41-P	84	90	18.10	2110.50	-28.62	-484.54	0.000000	0.00	0.000
5-42-P	84	90	18.10	2110.50	-13.28	-484.54	0.000000	0.00	0.000
5-43-P	84	90	18.10	2110.50	8.97	-484.54	0.000000	0.00	0.000
5-44-P	84	90	18.10	2110.50	18.02	484.54	0.000000	0.00	0.000
5-45-P	84	90	18.10	2110.50	26.76	484.54	0.000000	0.00	0.000
5-46-P	84	90	18.10	2110.50	33.78	484.54	0.000000	0.00	0.000
5-47-P	84	90	18.10	2110.50	33.91	484.54	0.000000	0.00	0.000
5-48-P	84	90	18.10	2110.50	34.04	484.54	0.000000	0.00	0.000
5-49-P	84	90	18.10	2110.50	27.28	484.54	0.000000	0.00	0.000
5-50-P	84	90	18.10	2110.50	18.81	484.54	0.000000	0.00	0.000
5-51-P	84	90	18.10	2110.50	10.18	-484.54	0.000000	0.00	0.000
5-52-P	84	90	18.10	2110.50	-12.76	-484.54	0.000000	0.00	0.000
5-53-P	84	90	18.10	2110.50	-27.77	-484.54	0.000000	0.00	0.000
5-54-P	84	90	18.10	2110.50	-12.23	-484.54	0.000000	0.00	0.000
5-55-P	84	90	18.10	2110.50	10.05	-484.54	0.000000	0.00	0.000
5-56-P	84	90	18.10	2110.50	20.48	484.54	0.000000	0.00	0.000
5-57-P	84	90	18.10	2110.50	29.52	484.54	0.000000	0.00	0.000
5-58-P	84	90	18.10	2110.50	36.83	484.54	0.000000	0.00	0.000
5-59-P	84	90	18.10	2110.50	37.25	484.54	0.000000	0.00	0.000
5-60-P	84	90	18.10	2110.50	37.67	484.54	0.000000	0.00	0.000
5-61-P	84	90	18.10	2110.50	31.17	484.54	0.000000	0.00	0.000
5-62-P	84	90	18.10	2110.50	22.94	484.54	0.000000	0.00	0.000
5-63-P	84	90	18.10	2110.50	14.47	-484.54	0.000000	0.00	0.000
5-64-P	84	90	18.10	2110.50	-11.17	-484.54	0.000000	0.00	0.000
5-65-P	84	90	18.10	2110.50	-25.63	-484.54	0.000000	0.00	0.000
5-66-P	84	90	18.10	2110.50	-10.07	-484.54	0.000000	0.00	0.000
5-67-P	84	90	18.10	2110.50	13.65	484.54	0.000000	0.00	0.000
5-68-P	84	90	18.10	2110.50	24.65	484.54	0.000000	0.00	0.000
5-69-P	84	90	18.10	2110.50	33.24	484.54	0.000000	0.00	0.000
5-70-P	84	90	18.10	2110.50	39.99	484.54	0.000000	0.00	0.000
5-71-P	84	90	18.10	2110.50	39.38	484.54	0.000000	0.00	0.000
5-72-P	84	90	18.10	2110.50	38.77	484.54	0.000000	0.00	0.000
5-73-P	84	90	18.10	2110.50	30.37	484.54	0.000000	0.00	0.000
5-74-P	84	90	18.10	2110.50	20.34	-484.54	0.000000	0.00	0.000
5-75-P	84	90	18.10	2110.50	13.21	-484.54	0.000000	0.00	0.000
5-76-P	84	90	18.10	2110.50	-16.67	-484.54	0.000000	0.00	0.000
5-77-P	84	90	18.10	2110.50	-32.94	-484.54	0.000000	0.00	0.000
5-78-P	84	90	18.10	2110.50	-18.90	-484.54	0.000000	0.00	0.000
5-79-P	84	90	18.10	2110.50	-10.03	-484.54	0.000000	0.00	0.000
5-80-P	84	90	18.10	2110.50	-2.84	-484.54	0.000000	0.00	0.000
5-81-P	84	90	18.10	2110.50	3.63	-484.54	0.000000	0.00	0.000
6-1-P	84	90	22.62	2110.46	-4.74	-500.56	0.000000	0.00	0.000
6-2-P	84	90	22.62	2110.46	-11.01	-500.56	0.000000	0.00	0.000
6-3-P	84	90	22.62	2110.46	-19.59	-500.56	0.000000	0.00	0.000
6-4-P	84	90	22.62	2110.46	-50.64	-500.56	0.000000	0.00	0.000
6-5-P	84	90	22.62	2110.46	-83.42	-500.56	0.000000	0.00	0.000
6-6-P	84	90	22.62	2110.46	-46.18	-500.56	0.000000	0.00	0.000
6-7-P	84	90	22.62	2110.46	-16.49	-500.56	0.000000	0.00	0.000
6-8-P	84	90	22.62	2110.46	17.48	-500.56	0.000000	0.00	0.000
6-9-P	84	90	22.62	2110.46	29.04	500.56	0.000000	0.00	0.000
6-10-P	84	90	22.62	2110.46	40.80	500.56	0.000000	0.00	0.000
6-11-P	84	90	22.62	2110.46	41.66	500.56	0.000000	0.00	0.000
6-12-P	84	90	22.62	2110.46	42.52	500.56	0.000000	0.00	0.000
6-13-P	84	90	22.62	2110.46	32.55	500.56	0.000000	0.00	0.000
6-14-P	84	90	22.62	2110.46	19.88	500.56	0.000000	0.00	0.000
6-15-P	84	90	22.62	2110.46	-4.72	-500.56	0.000000	0.00	0.000
6-16-P	84	90	22.62	2110.46	-36.33	-500.56	0.000000	0.00	0.000
6-17-P	84	90	22.62	2110.46	-71.11	-500.56	0.000000	0.00	0.000
6-18-P	84	90	22.62	2110.46	-36.85	-500.56	0.000000	0.00	0.000
6-19-P	84	90	22.62	2110.46	-9.64	-500.56	0.000000	0.00	0.000
6-20-P	84	90	22.62	2110.46	18.65	-500.56	0.000000	0.00	0.000
6-21-P	84	90	22.62	2110.46	30.96	500.56	0.000000	0.00	0.000
6-22-P	84	90	22.62	2110.46	40.83	500.56	0.000000	0.00	0.000
6-23-P	84	90	22.62	2110.46	40.37	500.56	0.000000	0.00	0.000
6-24-P	84	90	22.62	2110.46	39.90	500.56	0.000000	0.00	0.000
6-25-P	84	90	22.62	2110.46	29.14	500.56	0.000000	0.00	0.000
6-26-P	84	90	22.62	2110.46	15.81	500.56	0.000000	0.00	0.000
6-27-P	84	90	22.62	2110.46	-9.54	-500.56	0.000000	0.00	0.000
6-28-P	84	90	22.62	2110.46	-41.10	-500.56	0.000000	0.00	0.000
6-29-P	84	90	22.62	2110.46	-76.08	-500.56	0.000000	0.00	0.000
6-30-P	84	90	22.62	2110.46	-41.76	-500.56	0.000000	0.00	0.000
6-31-P	84	90	22.62	2110.46	-11.59	-500.56	0.000000	0.00	0.000
6-32-P	84	90	22.62	2110.46	14.00	-500.56	0.000000	0.00	0.000
6-33-P	84	90	22.62	2110.46	26.51	500.56	0.000000	0.00	0.000
6-34-P	84	90	22.62	2110.46	36.62	500.56	0.000000	0.00	0.000
6-35-P	84	90	22.62	2110.46	36.46	500.56	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-36-P	84	90	22.62	2110.46	36.30	500.56	0.000000	0.00	0.000
6-37-P	84	90	22.62	2110.46	25.87	500.56	0.000000	0.00	0.000
6-38-P	84	90	22.62	2110.46	13.01	-500.56	0.000000	0.00	0.000
6-39-P	84	90	22.62	2110.46	-12.17	-500.56	0.000000	0.00	0.000
6-40-P	84	90	22.62	2110.46	-43.37	-500.56	0.000000	0.00	0.000
6-41-P	84	90	22.62	2110.46	-78.02	-500.56	0.000000	0.00	0.000
6-42-P	84	90	22.62	2110.46	-43.37	-500.56	0.000000	0.00	0.000
6-43-P	84	90	22.62	2110.46	-12.17	-500.56	0.000000	0.00	0.000
6-44-P	84	90	22.62	2110.46	13.01	-500.56	0.000000	0.00	0.000
6-45-P	84	90	22.62	2110.46	25.87	500.56	0.000000	0.00	0.000
6-46-P	84	90	22.62	2110.46	36.30	500.56	0.000000	0.00	0.000
6-47-P	84	90	22.62	2110.46	36.46	500.56	0.000000	0.00	0.000
6-48-P	84	90	22.62	2110.46	36.62	500.56	0.000000	0.00	0.000
6-49-P	84	90	22.62	2110.46	26.51	500.56	0.000000	0.00	0.000
6-50-P	84	90	22.62	2110.46	14.00	-500.56	0.000000	0.00	0.000
6-51-P	84	90	22.62	2110.46	-11.59	-500.56	0.000000	0.00	0.000
6-52-P	84	90	22.62	2110.46	-41.76	-500.56	0.000000	0.00	0.000
6-53-P	84	90	22.62	2110.46	-76.08	-500.56	0.000000	0.00	0.000
6-54-P	84	90	22.62	2110.46	-41.10	-500.56	0.000000	0.00	0.000
6-55-P	84	90	22.62	2110.46	-9.54	-500.56	0.000000	0.00	0.000
6-56-P	84	90	22.62	2110.46	15.81	500.56	0.000000	0.00	0.000
6-57-P	84	90	22.62	2110.46	29.14	500.56	0.000000	0.00	0.000
6-58-P	84	90	22.62	2110.46	39.90	500.56	0.000000	0.00	0.000
6-59-P	84	90	22.62	2110.46	40.37	500.56	0.000000	0.00	0.000
6-60-P	84	90	22.62	2110.46	40.83	500.56	0.000000	0.00	0.000
6-61-P	84	90	22.62	2110.46	30.96	500.56	0.000000	0.00	0.000
6-62-P	84	90	22.62	2110.46	18.65	-500.56	0.000000	0.00	0.000
6-63-P	84	90	22.62	2110.46	-9.64	-500.56	0.000000	0.00	0.000
6-64-P	84	90	22.62	2110.46	-36.85	-500.56	0.000000	0.00	0.000
6-65-P	84	90	22.62	2110.46	-71.11	-500.56	0.000000	0.00	0.000
6-66-P	84	90	22.62	2110.46	-36.33	-500.56	0.000000	0.00	0.000
6-67-P	84	90	22.62	2110.46	-4.72	-500.56	0.000000	0.00	0.000
6-68-P	84	90	22.62	2110.46	19.88	500.56	0.000000	0.00	0.000
6-69-P	84	90	22.62	2110.46	32.55	500.56	0.000000	0.00	0.000
6-70-P	84	90	22.62	2110.46	42.52	500.56	0.000000	0.00	0.000
6-71-P	84	90	22.62	2110.46	41.66	500.56	0.000000	0.00	0.000
6-72-P	84	90	22.62	2110.46	40.80	500.56	0.000000	0.00	0.000
6-73-P	84	90	22.62	2110.46	29.04	500.56	0.000000	0.00	0.000
6-74-P	84	90	22.62	2110.46	17.48	-500.56	0.000000	0.00	0.000
6-75-P	84	90	22.62	2110.46	-16.49	-500.56	0.000000	0.00	0.000
6-76-P	84	90	22.62	2110.46	-46.18	-500.56	0.000000	0.00	0.000
6-77-P	84	90	22.62	2110.46	-83.42	-500.56	0.000000	0.00	0.000
6-78-P	84	90	22.62	2110.46	-50.64	-500.56	0.000000	0.00	0.000
6-79-P	84	90	22.62	2110.46	-19.59	-500.56	0.000000	0.00	0.000
6-80-P	84	90	22.62	2110.46	-11.01	-500.56	0.000000	0.00	0.000
6-81-P	84	90	22.62	2110.46	-4.74	-500.56	0.000000	0.00	0.000
7-1-S	100	90	22.62	2520.00	0.08	-582.15	0.000000	0.00	0.000
7-2-S	100	90	22.62	2520.00	-1.03	-582.15	0.000000	0.00	0.000
7-3-S	100	90	22.62	2520.00	-2.13	-582.15	0.000000	0.00	0.000
7-4-S	100	90	22.62	2520.00	-3.25	-582.15	0.000000	0.00	0.000
7-5-S	100	90	22.62	2520.00	-2.51	-582.15	0.000000	0.00	0.000
7-6-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
7-7-S	100	90	22.62	2520.00	52.88	582.15	0.000000	0.00	0.000
7-8-S	100	90	22.62	2520.00	71.38	582.15	0.000000	0.00	0.000
7-9-S	100	90	22.62	2520.00	88.53	582.15	0.000000	0.00	0.000
7-10-S	100	90	22.62	2520.00	97.01	582.15	0.000000	0.00	0.000
7-11-S	100	90	22.62	2520.00	102.34	582.15	0.000000	0.00	0.000
7-12-S	100	90	22.62	2520.00	99.94	582.15	0.000000	0.00	0.000
7-13-S	100	90	22.62	2520.00	92.54	-582.15	0.000000	0.00	0.000
7-14-S	100	90	22.62	2520.00	67.75	-582.15	0.000000	0.00	0.000
7-15-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
7-16-S	100	90	22.62	2520.00	-21.49	-582.15	0.000000	0.00	0.000
7-17-S	100	90	22.62	2520.00	-20.52	-582.15	0.000000	0.00	0.000
7-18-S	100	90	22.62	2520.00	-13.05	-582.15	0.000000	0.00	0.000
7-19-S	100	90	22.62	2520.00	-2.53	-582.15	0.000000	0.00	0.000
8-1-S	100	90	22.62	2520.00	0.02	-582.15	0.000000	0.00	0.000
8-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
8-3-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
8-4-S	100	90	22.62	2520.00	-3.49	-582.15	0.000000	0.00	0.000
8-5-S	100	90	22.62	2520.00	-13.14	-582.15	0.000000	0.00	0.000
8-6-S	100	90	22.62	2520.00	15.23	-582.15	0.000000	0.00	0.000
8-7-S	100	90	22.62	2520.00	43.40	582.15	0.000000	0.00	0.000
8-8-S	100	90	22.62	2520.00	62.41	582.15	0.000000	0.00	0.000
8-9-S	100	90	22.62	2520.00	80.01	582.15	0.000000	0.00	0.000
8-10-S	100	90	22.62	2520.00	89.83	582.15	0.000000	0.00	0.000
8-11-S	100	90	22.62	2520.00	96.86	582.15	0.000000	0.00	0.000
8-12-S	100	90	22.62	2520.00	96.85	582.15	0.000000	0.00	0.000
8-13-S	100	90	22.62	2520.00	92.36	-582.15	0.000000	0.00	0.000
8-14-S	100	90	22.62	2520.00	69.83	-582.15	0.000000	0.00	0.000
8-15-S	100	90	22.62	2520.00	30.34	-582.15	0.000000	0.00	0.000
8-16-S	100	90	22.62	2520.00	-26.71	-582.15	0.000000	0.00	0.000
8-17-S	100	90	22.62	2520.00	-24.96	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
8-18-S	100	90	22.62	2520.00	-16.68	-582.15	0.000000	0.00	0.000
8-19-S	100	90	22.62	2520.00	-5.76	-582.15	0.000000	0.00	0.000
9-1-S	100	90	22.62	2520.00	-0.03	-582.15	0.000000	0.00	0.000
9-2-S	100	90	22.62	2520.00	-1.14	-582.15	0.000000	0.00	0.000
9-3-S	100	90	22.62	2520.00	-2.25	-582.15	0.000000	0.00	0.000
9-4-S	100	90	22.62	2520.00	-3.37	-582.15	0.000000	0.00	0.000
9-5-S	100	90	22.62	2520.00	-33.77	-582.15	0.000000	0.00	0.000
9-6-S	100	90	22.62	2520.00	-4.62	-582.15	0.000000	0.00	0.000
9-7-S	100	90	22.62	2520.00	28.78	582.15	0.000000	0.00	0.000
9-8-S	100	90	22.62	2520.00	48.55	582.15	0.000000	0.00	0.000
9-9-S	100	90	22.62	2520.00	66.58	582.15	0.000000	0.00	0.000
9-10-S	100	90	22.62	2520.00	74.38	582.15	0.000000	0.00	0.000
9-11-S	100	90	22.62	2520.00	78.54	582.15	0.000000	0.00	0.000
9-12-S	100	90	22.62	2520.00	76.32	582.15	0.000000	0.00	0.000
9-13-S	100	90	22.62	2520.00	69.95	582.15	0.000000	0.00	0.000
9-14-S	100	90	22.62	2520.00	60.18	582.15	0.000000	0.00	0.000
9-15-S	100	90	22.62	2520.00	46.64	582.15	0.000000	0.00	0.000
9-16-S	100	90	22.62	2520.00	32.95	582.15	0.000000	0.00	0.000
9-17-S	100	90	22.62	2520.00	18.99	582.15	0.000000	0.00	0.000
9-18-S	100	90	22.62	2520.00	9.78	582.15	0.000000	0.00	0.000
9-19-S	100	90	22.62	2520.00	2.89	582.15	0.000000	0.00	0.000
10-1-S	100	90	22.62	2520.00	-0.01	-582.15	0.000000	0.00	0.000
10-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
10-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
10-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
10-5-S	100	90	22.62	2520.00	-48.19	-582.15	0.000000	0.00	0.000
10-6-S	100	90	22.62	2520.00	-14.56	-582.15	0.000000	0.00	0.000
10-7-S	100	90	22.62	2520.00	19.07	582.15	0.000000	0.00	0.000
10-8-S	100	90	22.62	2520.00	42.09	582.15	0.000000	0.00	0.000
10-9-S	100	90	22.62	2520.00	63.51	582.15	0.000000	0.00	0.000
10-10-S	100	90	22.62	2520.00	76.49	582.15	0.000000	0.00	0.000
10-11-S	100	90	22.62	2520.00	86.48	582.15	0.000000	0.00	0.000
10-12-S	100	90	22.62	2520.00	88.68	582.15	0.000000	0.00	0.000
10-13-S	100	90	22.62	2520.00	85.79	582.15	0.000000	0.00	0.000
10-14-S	100	90	22.62	2520.00	64.29	-582.15	0.000000	0.00	0.000
10-15-S	100	90	22.62	2520.00	24.62	-582.15	0.000000	0.00	0.000
10-16-S	100	90	22.62	2520.00	-22.94	-582.15	0.000000	0.00	0.000
10-17-S	100	90	22.62	2520.00	-21.38	-582.15	0.000000	0.00	0.000
10-18-S	100	90	22.62	2520.00	-14.08	-582.15	0.000000	0.00	0.000
10-19-S	100	90	22.62	2520.00	-2.63	-582.15	0.000000	0.00	0.000
11-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
11-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
11-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
11-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
11-5-S	100	90	22.62	2520.00	-59.39	-582.15	0.000000	0.00	0.000
11-6-S	100	90	22.62	2520.00	-24.62	-582.15	0.000000	0.00	0.000
11-7-S	100	90	22.62	2520.00	10.15	582.15	0.000000	0.00	0.000
11-8-S	100	90	22.62	2520.00	34.29	582.15	0.000000	0.00	0.000
11-9-S	100	90	22.62	2520.00	56.83	582.15	0.000000	0.00	0.000
11-10-S	100	90	22.62	2520.00	70.84	582.15	0.000000	0.00	0.000
11-11-S	100	90	22.62	2520.00	81.82	582.15	0.000000	0.00	0.000
11-12-S	100	90	22.62	2520.00	84.92	582.15	0.000000	0.00	0.000
11-13-S	100	90	22.62	2520.00	82.85	582.15	0.000000	0.00	0.000
11-14-S	100	90	22.62	2520.00	62.18	-582.15	0.000000	0.00	0.000
11-15-S	100	90	22.62	2520.00	25.40	-582.15	0.000000	0.00	0.000
11-16-S	100	90	22.62	2520.00	-24.93	-582.15	0.000000	0.00	0.000
11-17-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
11-18-S	100	90	22.62	2520.00	-14.98	-582.15	0.000000	0.00	0.000
11-19-S	100	90	22.62	2520.00	-3.95	-582.15	0.000000	0.00	0.000
12-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
12-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
12-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
12-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
12-5-S	100	90	22.62	2520.00	-68.15	-582.15	0.000000	0.00	0.000
12-6-S	100	90	22.62	2520.00	-33.06	-582.15	0.000000	0.00	0.000
12-7-S	100	90	22.62	2520.00	2.23	-582.15	0.000000	0.00	0.000
12-8-S	100	90	22.62	2520.00	25.35	582.15	0.000000	0.00	0.000
12-9-S	100	90	22.62	2520.00	46.88	582.15	0.000000	0.00	0.000
12-10-S	100	90	22.62	2520.00	57.82	582.15	0.000000	0.00	0.000
12-11-S	100	90	22.62	2520.00	64.99	582.15	0.000000	0.00	0.000
12-12-S	100	90	22.62	2520.00	65.44	582.15	0.000000	0.00	0.000
12-13-S	100	90	22.62	2520.00	61.50	582.15	0.000000	0.00	0.000
12-14-S	100	90	22.62	2520.00	53.89	582.15	0.000000	0.00	0.000
12-15-S	100	90	22.62	2520.00	42.21	582.15	0.000000	0.00	0.000
12-16-S	100	90	22.62	2520.00	30.18	582.15	0.000000	0.00	0.000
12-17-S	100	90	22.62	2520.00	17.49	582.15	0.000000	0.00	0.000
12-18-S	100	90	22.62	2520.00	9.04	582.15	0.000000	0.00	0.000
12-19-S	100	90	22.62	2520.00	2.68	582.15	0.000000	0.00	0.000
13-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
13-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
13-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
13-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
13-5-S	100	90	22.62	2520.00	-70.88	-582.15	0.000000	0.00	0.000
13-6-S	100	90	22.62	2520.00	-35.40	-582.15	0.000000	0.00	0.000
13-7-S	100	90	22.62	2520.00	0.39	-582.15	0.000000	0.00	0.000
13-8-S	100	90	22.62	2520.00	25.13	582.15	0.000000	0.00	0.000
13-9-S	100	90	22.62	2520.00	48.59	582.15	0.000000	0.00	0.000
13-10-S	100	90	22.62	2520.00	63.59	582.15	0.000000	0.00	0.000
13-11-S	100	90	22.62	2520.00	75.56	582.15	0.000000	0.00	0.000
13-12-S	100	90	22.62	2520.00	79.64	582.15	0.000000	0.00	0.000
13-13-S	100	90	22.62	2520.00	78.55	582.15	0.000000	0.00	0.000
13-14-S	100	90	22.62	2520.00	58.71	-582.15	0.000000	0.00	0.000
13-15-S	100	90	22.62	2520.00	22.13	-582.15	0.000000	0.00	0.000
13-16-S	100	90	22.62	2520.00	-24.98	-582.15	0.000000	0.00	0.000
13-17-S	100	90	22.62	2520.00	-22.62	-582.15	0.000000	0.00	0.000
13-18-S	100	90	22.62	2520.00	-14.63	-582.15	0.000000	0.00	0.000
13-19-S	100	90	22.62	2520.00	-3.11	-582.15	0.000000	0.00	0.000
14-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
14-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
14-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
14-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
14-5-S	100	90	22.62	2520.00	-73.35	-582.15	0.000000	0.00	0.000
14-6-S	100	90	22.62	2520.00	-37.82	-582.15	0.000000	0.00	0.000
14-7-S	100	90	22.62	2520.00	-2.39	-582.15	0.000000	0.00	0.000
14-8-S	100	90	22.62	2520.00	22.89	582.15	0.000000	0.00	0.000
14-9-S	100	90	22.62	2520.00	46.50	582.15	0.000000	0.00	0.000
14-10-S	100	90	22.62	2520.00	61.67	582.15	0.000000	0.00	0.000
14-11-S	100	90	22.62	2520.00	73.85	582.15	0.000000	0.00	0.000
14-12-S	100	90	22.62	2520.00	78.15	582.15	0.000000	0.00	0.000
14-13-S	100	90	22.62	2520.00	77.29	582.15	0.000000	0.00	0.000
14-14-S	100	90	22.62	2520.00	57.78	-582.15	0.000000	0.00	0.000
14-15-S	100	90	22.62	2520.00	22.16	-582.15	0.000000	0.00	0.000
14-16-S	100	90	22.62	2520.00	-25.62	-582.15	0.000000	0.00	0.000
14-17-S	100	90	22.62	2520.00	-23.12	-582.15	0.000000	0.00	0.000
14-18-S	100	90	22.62	2520.00	-15.00	-582.15	0.000000	0.00	0.000
14-19-S	100	90	22.62	2520.00	-3.61	-582.15	0.000000	0.00	0.000
15-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
15-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
15-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
15-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
15-5-S	100	90	22.62	2520.00	-76.24	-582.15	0.000000	0.00	0.000
15-6-S	100	90	22.62	2520.00	-40.90	-582.15	0.000000	0.00	0.000
15-7-S	100	90	22.62	2520.00	-5.57	-582.15	0.000000	0.00	0.000
15-8-S	100	90	22.62	2520.00	18.22	582.15	0.000000	0.00	0.000
15-9-S	100	90	22.62	2520.00	40.26	582.15	0.000000	0.00	0.000
15-10-S	100	90	22.62	2520.00	51.83	582.15	0.000000	0.00	0.000
15-11-S	100	90	22.62	2520.00	59.67	582.15	0.000000	0.00	0.000
15-12-S	100	90	22.62	2520.00	60.83	582.15	0.000000	0.00	0.000
15-13-S	100	90	22.62	2520.00	57.65	582.15	0.000000	0.00	0.000
15-14-S	100	90	22.62	2520.00	50.78	582.15	0.000000	0.00	0.000
15-15-S	100	90	22.62	2520.00	39.84	582.15	0.000000	0.00	0.000
15-16-S	100	90	22.62	2520.00	28.53	582.15	0.000000	0.00	0.000
15-17-S	100	90	22.62	2520.00	16.50	582.15	0.000000	0.00	0.000
15-18-S	100	90	22.62	2520.00	8.50	582.15	0.000000	0.00	0.000
15-19-S	100	90	22.62	2520.00	2.46	582.15	0.000000	0.00	0.000
16-1-S	100	90	27.14	2520.00	0.01	-598.17	0.000000	0.00	0.000
16-2-S	100	90	27.14	2520.00	-1.15	-598.17	0.000000	0.00	0.000
16-3-S	100	90	27.14	2520.00	-2.30	-598.17	0.000000	0.00	0.000
16-4-S	100	90	27.14	2520.00	-3.45	-598.17	0.000000	0.00	0.000
16-5-S	100	90	27.14	2520.00	-75.20	-598.17	0.000000	0.00	0.000
16-6-S	100	90	27.14	2520.00	-39.68	-598.17	0.000000	0.00	0.000
16-7-S	100	90	27.14	2520.00	-4.17	-598.17	0.000000	0.00	0.000
16-8-S	100	90	27.14	2520.00	21.07	598.17	0.000000	0.00	0.000
16-9-S	100	90	27.14	2520.00	44.76	598.17	0.000000	0.00	0.000
16-10-S	100	90	27.14	2520.00	60.06	598.17	0.000000	0.00	0.000
16-11-S	100	90	27.14	2520.00	72.38	598.17	0.000000	0.00	0.000
16-12-S	100	90	27.14	2520.00	76.84	598.17	0.000000	0.00	0.000
16-13-S	100	90	27.14	2520.00	76.18	598.17	0.000000	0.00	0.000
16-14-S	100	90	27.14	2520.00	56.83	-598.17	0.000000	0.00	0.000
16-15-S	100	90	27.14	2520.00	21.41	-598.17	0.000000	0.00	0.000
16-16-S	100	90	27.14	2520.00	-25.72	-598.17	0.000000	0.00	0.000
16-17-S	100	90	27.14	2520.00	-23.07	-598.17	0.000000	0.00	0.000
16-18-S	100	90	27.14	2520.00	-14.96	-598.17	0.000000	0.00	0.000
16-19-S	100	90	27.14	2520.00	-3.47	-598.17	0.000000	0.00	0.000
17-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
17-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
17-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
17-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
17-5-S	100	90	22.62	2520.00	-75.20	-582.15	0.000000	0.00	0.000
17-6-S	100	90	22.62	2520.00	-39.68	-582.15	0.000000	0.00	0.000
17-7-S	100	90	22.62	2520.00	-4.17	-582.15	0.000000	0.00	0.000
17-8-S	100	90	22.62	2520.00	21.07	582.15	0.000000	0.00	0.000
17-9-S	100	90	22.62	2520.00	44.76	582.15	0.000000	0.00	0.000
17-10-S	100	90	22.62	2520.00	60.06	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
17-11-S	100	90	22.62	2520.00	72.38	582.15	0.000000	0.00	0.000
17-12-S	100	90	22.62	2520.00	76.84	582.15	0.000000	0.00	0.000
17-13-S	100	90	22.62	2520.00	76.18	582.15	0.000000	0.00	0.000
17-14-S	100	90	22.62	2520.00	56.83	-582.15	0.000000	0.00	0.000
17-15-S	100	90	22.62	2520.00	21.41	-582.15	0.000000	0.00	0.000
17-16-S	100	90	22.62	2520.00	-25.72	-582.15	0.000000	0.00	0.000
17-17-S	100	90	22.62	2520.00	-23.07	-582.15	0.000000	0.00	0.000
17-18-S	100	90	22.62	2520.00	-14.96	-582.15	0.000000	0.00	0.000
17-19-S	100	90	22.62	2520.00	-3.47	-582.15	0.000000	0.00	0.000
18-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
18-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
18-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
18-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
18-5-S	100	90	22.62	2520.00	-76.24	-582.15	0.000000	0.00	0.000
18-6-S	100	90	22.62	2520.00	-40.90	-582.15	0.000000	0.00	0.000
18-7-S	100	90	22.62	2520.00	-5.57	-582.15	0.000000	0.00	0.000
18-8-S	100	90	22.62	2520.00	18.22	582.15	0.000000	0.00	0.000
18-9-S	100	90	22.62	2520.00	40.26	582.15	0.000000	0.00	0.000
18-10-S	100	90	22.62	2520.00	51.83	582.15	0.000000	0.00	0.000
18-11-S	100	90	22.62	2520.00	59.67	582.15	0.000000	0.00	0.000
18-12-S	100	90	22.62	2520.00	60.83	582.15	0.000000	0.00	0.000
18-13-S	100	90	22.62	2520.00	57.65	582.15	0.000000	0.00	0.000
18-14-S	100	90	22.62	2520.00	50.78	582.15	0.000000	0.00	0.000
18-15-S	100	90	22.62	2520.00	39.84	582.15	0.000000	0.00	0.000
18-16-S	100	90	22.62	2520.00	28.53	582.15	0.000000	0.00	0.000
18-17-S	100	90	22.62	2520.00	16.50	582.15	0.000000	0.00	0.000
18-18-S	100	90	22.62	2520.00	8.50	582.15	0.000000	0.00	0.000
18-19-S	100	90	22.62	2520.00	2.46	582.15	0.000000	0.00	0.000
19-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
19-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
19-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
19-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
19-5-S	100	90	22.62	2520.00	-73.35	-582.15	0.000000	0.00	0.000
19-6-S	100	90	22.62	2520.00	-37.82	-582.15	0.000000	0.00	0.000
19-7-S	100	90	22.62	2520.00	-2.39	-582.15	0.000000	0.00	0.000
19-8-S	100	90	22.62	2520.00	22.89	582.15	0.000000	0.00	0.000
19-9-S	100	90	22.62	2520.00	46.50	582.15	0.000000	0.00	0.000
19-10-S	100	90	22.62	2520.00	61.67	582.15	0.000000	0.00	0.000
19-11-S	100	90	22.62	2520.00	73.85	582.15	0.000000	0.00	0.000
19-12-S	100	90	22.62	2520.00	78.15	582.15	0.000000	0.00	0.000
19-13-S	100	90	22.62	2520.00	77.29	582.15	0.000000	0.00	0.000
19-14-S	100	90	22.62	2520.00	57.78	-582.15	0.000000	0.00	0.000
19-15-S	100	90	22.62	2520.00	22.16	-582.15	0.000000	0.00	0.000
19-16-S	100	90	22.62	2520.00	-25.62	-582.15	0.000000	0.00	0.000
19-17-S	100	90	22.62	2520.00	-23.12	-582.15	0.000000	0.00	0.000
19-18-S	100	90	22.62	2520.00	-15.00	-582.15	0.000000	0.00	0.000
19-19-S	100	90	22.62	2520.00	-3.61	-582.15	0.000000	0.00	0.000
20-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
20-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
20-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
20-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
20-5-S	100	90	22.62	2520.00	-70.88	-582.15	0.000000	0.00	0.000
20-6-S	100	90	22.62	2520.00	-35.40	-582.15	0.000000	0.00	0.000
20-7-S	100	90	22.62	2520.00	0.39	-582.15	0.000000	0.00	0.000
20-8-S	100	90	22.62	2520.00	25.13	582.15	0.000000	0.00	0.000
20-9-S	100	90	22.62	2520.00	48.59	582.15	0.000000	0.00	0.000
20-10-S	100	90	22.62	2520.00	63.59	582.15	0.000000	0.00	0.000
20-11-S	100	90	22.62	2520.00	75.56	582.15	0.000000	0.00	0.000
20-12-S	100	90	22.62	2520.00	79.64	582.15	0.000000	0.00	0.000
20-13-S	100	90	22.62	2520.00	78.55	582.15	0.000000	0.00	0.000
20-14-S	100	90	22.62	2520.00	58.71	-582.15	0.000000	0.00	0.000
20-15-S	100	90	22.62	2520.00	22.13	-582.15	0.000000	0.00	0.000
20-16-S	100	90	22.62	2520.00	-24.98	-582.15	0.000000	0.00	0.000
20-17-S	100	90	22.62	2520.00	-22.62	-582.15	0.000000	0.00	0.000
20-18-S	100	90	22.62	2520.00	-14.63	-582.15	0.000000	0.00	0.000
20-19-S	100	90	22.62	2520.00	-3.11	-582.15	0.000000	0.00	0.000
21-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
21-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
21-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
21-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
21-5-S	100	90	22.62	2520.00	-68.15	-582.15	0.000000	0.00	0.000
21-6-S	100	90	22.62	2520.00	-33.06	-582.15	0.000000	0.00	0.000
21-7-S	100	90	22.62	2520.00	2.23	-582.15	0.000000	0.00	0.000
21-8-S	100	90	22.62	2520.00	25.35	582.15	0.000000	0.00	0.000
21-9-S	100	90	22.62	2520.00	46.88	582.15	0.000000	0.00	0.000
21-10-S	100	90	22.62	2520.00	57.82	582.15	0.000000	0.00	0.000
21-11-S	100	90	22.62	2520.00	64.99	582.15	0.000000	0.00	0.000
21-12-S	100	90	22.62	2520.00	65.44	582.15	0.000000	0.00	0.000
21-13-S	100	90	22.62	2520.00	61.50	582.15	0.000000	0.00	0.000
21-14-S	100	90	22.62	2520.00	53.89	582.15	0.000000	0.00	0.000
21-15-S	100	90	22.62	2520.00	42.21	582.15	0.000000	0.00	0.000
21-16-S	100	90	22.62	2520.00	30.18	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
21-17-S	100	90	22.62	2520.00	17.49	582.15	0.000000	0.00	0.000
21-18-S	100	90	22.62	2520.00	9.04	582.15	0.000000	0.00	0.000
21-19-S	100	90	22.62	2520.00	2.68	582.15	0.000000	0.00	0.000
22-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
22-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
22-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
22-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
22-5-S	100	90	22.62	2520.00	-59.39	-582.15	0.000000	0.00	0.000
22-6-S	100	90	22.62	2520.00	-24.62	-582.15	0.000000	0.00	0.000
22-7-S	100	90	22.62	2520.00	10.15	582.15	0.000000	0.00	0.000
22-8-S	100	90	22.62	2520.00	34.29	582.15	0.000000	0.00	0.000
22-9-S	100	90	22.62	2520.00	56.83	582.15	0.000000	0.00	0.000
22-10-S	100	90	22.62	2520.00	70.84	582.15	0.000000	0.00	0.000
22-11-S	100	90	22.62	2520.00	81.82	582.15	0.000000	0.00	0.000
22-12-S	100	90	22.62	2520.00	84.92	582.15	0.000000	0.00	0.000
22-13-S	100	90	22.62	2520.00	82.85	582.15	0.000000	0.00	0.000
22-14-S	100	90	22.62	2520.00	62.18	-582.15	0.000000	0.00	0.000
22-15-S	100	90	22.62	2520.00	25.40	-582.15	0.000000	0.00	0.000
22-16-S	100	90	22.62	2520.00	-24.93	-582.15	0.000000	0.00	0.000
22-17-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
22-18-S	100	90	22.62	2520.00	-14.98	-582.15	0.000000	0.00	0.000
22-19-S	100	90	22.62	2520.00	-3.95	-582.15	0.000000	0.00	0.000
23-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
23-2-S	100	90	22.62	2520.00	-1.06	-582.15	0.000000	0.00	0.000
23-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
23-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
23-5-S	100	90	22.62	2520.00	-48.19	-582.15	0.000000	0.00	0.000
23-6-S	100	90	22.62	2520.00	-14.56	-582.15	0.000000	0.00	0.000
23-7-S	100	90	22.62	2520.00	19.07	582.15	0.000000	0.00	0.000
23-8-S	100	90	22.62	2520.00	42.09	582.15	0.000000	0.00	0.000
23-9-S	100	90	22.62	2520.00	63.51	582.15	0.000000	0.00	0.000
23-10-S	100	90	22.62	2520.00	76.49	582.15	0.000000	0.00	0.000
23-11-S	100	90	22.62	2520.00	86.48	582.15	0.000000	0.00	0.000
23-12-S	100	90	22.62	2520.00	88.68	582.15	0.000000	0.00	0.000
23-13-S	100	90	22.62	2520.00	85.79	582.15	0.000000	0.00	0.000
23-14-S	100	90	22.62	2520.00	64.29	-582.15	0.000000	0.00	0.000
23-15-S	100	90	22.62	2520.00	24.62	-582.15	0.000000	0.00	0.000
23-16-S	100	90	22.62	2520.00	-22.94	-582.15	0.000000	0.00	0.000
23-17-S	100	90	22.62	2520.00	-21.38	-582.15	0.000000	0.00	0.000
23-18-S	100	90	22.62	2520.00	-14.08	-582.15	0.000000	0.00	0.000
23-19-S	100	90	22.62	2520.00	-2.63	-582.15	0.000000	0.00	0.000
24-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
24-2-S	100	90	22.62	2520.00	-1.10	-582.15	0.000000	0.00	0.000
24-3-S	100	90	22.62	2520.00	-2.20	-582.15	0.000000	0.00	0.000
24-4-S	100	90	22.62	2520.00	-3.31	-582.15	0.000000	0.00	0.000
24-5-S	100	90	22.62	2520.00	-33.77	-582.15	0.000000	0.00	0.000
24-6-S	100	90	22.62	2520.00	-4.62	-582.15	0.000000	0.00	0.000
24-7-S	100	90	22.62	2520.00	28.78	582.15	0.000000	0.00	0.000
24-8-S	100	90	22.62	2520.00	48.55	582.15	0.000000	0.00	0.000
24-9-S	100	90	22.62	2520.00	66.58	582.15	0.000000	0.00	0.000
24-10-S	100	90	22.62	2520.00	74.38	582.15	0.000000	0.00	0.000
24-11-S	100	90	22.62	2520.00	78.54	582.15	0.000000	0.00	0.000
24-12-S	100	90	22.62	2520.00	76.32	582.15	0.000000	0.00	0.000
24-13-S	100	90	22.62	2520.00	69.95	582.15	0.000000	0.00	0.000
24-14-S	100	90	22.62	2520.00	60.18	582.15	0.000000	0.00	0.000
24-15-S	100	90	22.62	2520.00	46.64	582.15	0.000000	0.00	0.000
24-16-S	100	90	22.62	2520.00	32.95	582.15	0.000000	0.00	0.000
24-17-S	100	90	22.62	2520.00	18.99	582.15	0.000000	0.00	0.000
24-18-S	100	90	22.62	2520.00	9.78	582.15	0.000000	0.00	0.000
24-19-S	100	90	22.62	2520.00	2.89	582.15	0.000000	0.00	0.000
25-1-S	100	90	22.62	2520.00	0.04	-582.15	0.000000	0.00	0.000
25-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
25-3-S	100	90	22.62	2520.00	-2.17	-582.15	0.000000	0.00	0.000
25-4-S	100	90	22.62	2520.00	-3.28	-582.15	0.000000	0.00	0.000
25-5-S	100	90	22.62	2520.00	-13.14	-582.15	0.000000	0.00	0.000
25-6-S	100	90	22.62	2520.00	15.23	-582.15	0.000000	0.00	0.000
25-7-S	100	90	22.62	2520.00	43.40	582.15	0.000000	0.00	0.000
25-8-S	100	90	22.62	2520.00	62.41	582.15	0.000000	0.00	0.000
25-9-S	100	90	22.62	2520.00	80.01	582.15	0.000000	0.00	0.000
25-10-S	100	90	22.62	2520.00	89.83	582.15	0.000000	0.00	0.000
25-11-S	100	90	22.62	2520.00	96.86	582.15	0.000000	0.00	0.000
25-12-S	100	90	22.62	2520.00	96.85	582.15	0.000000	0.00	0.000
25-13-S	100	90	22.62	2520.00	92.36	-582.15	0.000000	0.00	0.000
25-14-S	100	90	22.62	2520.00	69.83	-582.15	0.000000	0.00	0.000
25-15-S	100	90	22.62	2520.00	30.34	-582.15	0.000000	0.00	0.000
25-16-S	100	90	22.62	2520.00	-26.71	-582.15	0.000000	0.00	0.000
25-17-S	100	90	22.62	2520.00	-24.96	-582.15	0.000000	0.00	0.000
25-18-S	100	90	22.62	2520.00	-16.68	-582.15	0.000000	0.00	0.000
25-19-S	100	90	22.62	2520.00	-5.76	-582.15	0.000000	0.00	0.000
26-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
26-2-S	100	90	22.62	2520.00	-1.14	-582.15	0.000000	0.00	0.000
26-3-S	100	90	22.62	2520.00	-2.31	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
26-4-S	100	90	22.62	2520.00	-3.48	-582.15	0.000000	0.00	0.000
26-5-S	100	90	22.62	2520.00	-2.51	-582.15	0.000000	0.00	0.000
26-6-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
26-7-S	100	90	22.62	2520.00	52.88	582.15	0.000000	0.00	0.000
26-8-S	100	90	22.62	2520.00	71.38	582.15	0.000000	0.00	0.000
26-9-S	100	90	22.62	2520.00	88.53	582.15	0.000000	0.00	0.000
26-10-S	100	90	22.62	2520.00	97.01	582.15	0.000000	0.00	0.000
26-11-S	100	90	22.62	2520.00	102.34	582.15	0.000000	0.00	0.000
26-12-S	100	90	22.62	2520.00	99.94	582.15	0.000000	0.00	0.000
26-13-S	100	90	22.62	2520.00	92.54	-582.15	0.000000	0.00	0.000
26-14-S	100	90	22.62	2520.00	67.75	-582.15	0.000000	0.00	0.000
26-15-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
26-16-S	100	90	22.62	2520.00	-21.49	-582.15	0.000000	0.00	0.000
26-17-S	100	90	22.62	2520.00	-20.52	-582.15	0.000000	0.00	0.000
26-18-S	100	90	22.62	2520.00	-13.05	-582.15	0.000000	0.00	0.000
26-19-S	100	90	22.62	2520.00	-2.53	-582.15	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=0.400$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	w _m [mm]
1	1	22.62	600.40	269.12	-273.04	436.03	0.000000	0.00	0.00
2	1	19.01	504.12	301.49	-273.04	890.61	0.000000	0.00	0.00

Combinazioni SLEQ

Paramento

Apertura limite fessure $w_{lim}=0.20$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	0.00	0.00	0.00	0.00	---	---	0.000 (7)
2	100	31	22.62	1073.49	0.03	69.09	0.000000	0.00	0.000 (7)
3	100	31	22.62	1101.78	0.12	72.65	0.000000	0.00	0.000 (7)
4	100	32	22.62	1130.15	0.28	76.29	0.000000	0.00	0.000 (7)
5	100	33	22.62	1158.57	0.51	80.01	0.000000	0.00	0.000 (7)
6	100	34	22.62	1187.06	0.81	83.80	0.000000	0.00	0.000 (7)
7	100	34	22.62	1215.61	1.20	87.67	0.000000	0.00	0.000 (7)
8	100	35	22.62	1244.22	1.67	91.62	0.000000	0.00	0.000 (7)
9	100	36	22.62	1272.89	2.23	95.64	0.000000	0.00	0.000 (7)
10	100	37	22.62	1301.61	2.89	99.74	0.000000	0.00	0.000 (7)
11	100	37	22.62	1330.38	3.65	103.92	0.000000	0.00	0.000 (7)
12	100	38	22.62	1359.20	4.51	108.17	0.000000	0.00	0.000 (7)
13	100	39	22.62	1388.08	5.48	112.49	0.000000	0.00	0.000 (7)
14	100	40	22.62	1417.00	6.56	116.89	0.000000	0.00	0.000 (7)
15	100	40	22.62	1445.98	7.76	121.37	0.000000	0.00	0.000 (7)
16	100	41	22.62	1474.99	9.09	125.92	0.000000	0.00	0.000 (7)
17	100	42	22.62	1504.06	10.54	130.54	0.000000	0.00	0.000 (7)
18	100	42	22.62	1533.17	12.13	135.24	0.000000	0.00	0.000 (7)
19	100	43	22.62	1562.32	13.85	140.02	0.000000	0.00	0.000 (7)
20	100	44	22.62	1591.51	15.71	144.87	0.000000	0.00	0.000 (7)
21	100	45	22.62	1620.74	17.72	149.79	0.000000	0.00	0.000 (7)
22	100	45	22.62	1650.02	19.89	154.78	0.000000	0.00	0.000 (7)
23	100	46	22.62	1679.32	22.21	159.86	0.000000	0.00	0.000 (7)
24	100	47	22.62	1708.67	24.69	165.00	0.000000	0.00	0.000 (7)
25	100	48	22.62	1738.05	27.33	170.22	0.000000	0.00	0.000 (7)
26	100	48	22.62	1767.47	30.15	175.50	0.000000	0.00	0.000 (7)
27	100	49	22.62	1796.92	33.14	180.87	0.000000	0.00	0.000 (7)
28	100	50	22.62	1826.41	36.31	186.31	0.000000	0.00	0.000 (7)
29	100	51	22.62	1855.93	39.66	191.83	0.000000	0.00	0.000 (7)
30	100	51	22.62	1885.48	43.20	197.41	0.000000	0.00	0.000 (7)
31	100	52	22.62	1915.06	46.94	203.07	0.000000	0.00	0.000 (7)
32	100	53	22.62	1944.68	50.87	208.81	0.000000	0.00	0.000 (7)
33	100	53	22.62	1974.32	55.01	214.61	0.000000	0.00	0.000 (7)
34	100	54	22.62	2003.99	59.36	220.50	0.000000	0.00	0.000 (7)
35	100	55	22.62	2033.69	63.92	226.45	0.000000	0.00	0.000 (7)
36	100	56	22.62	2063.42	68.69	232.48	0.000000	0.00	0.000 (7)
37	100	56	22.62	2093.18	73.69	238.59	0.000000	0.00	0.000 (7)
38	100	57	22.62	2122.96	78.91	244.76	0.000000	0.00	0.000 (7)
39	100	58	22.62	2152.77	84.37	251.01	0.000000	0.00	0.000 (7)
40	100	59	22.62	2182.61	90.06	257.33	0.000000	0.00	0.000 (7)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
41	100	59	22.62	2212.47	95.99	263.73	0.000000	0.00	0.000 (7)
42	100	60	22.62	2239.28	102.17	269.56	0.000000	0.00	0.000 (7)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.20$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	55	90	18.10	1386.00	-0.20	-340.21	0.000000	0.00	0.000
1-2-P	55	90	18.10	1386.00	-0.22	-340.21	0.000000	0.00	0.000
1-3-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-4-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-5-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-6-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-7-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-8-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-9-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-10-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-11-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-12-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-13-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-14-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-15-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-16-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-17-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-18-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-19-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-20-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-21-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-22-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-23-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-24-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-25-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-26-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-27-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-28-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-29-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-30-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-31-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-32-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-33-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-34-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-35-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-36-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-37-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-38-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-39-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-40-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-41-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-42-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-43-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-44-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-45-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-46-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-47-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-48-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-49-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-50-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-51-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-52-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-53-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-54-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-55-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-56-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-57-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-58-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-59-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-60-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-61-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-62-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-63-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-64-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-65-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-66-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-67-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-68-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-69-P	55	90	18.10	1386.00	-0.28	-340.21	0.000000	0.00	0.000
1-70-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-71-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-72-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-73-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-74-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-75-P	55	90	18.10	1386.00	-0.29	-340.21	0.000000	0.00	0.000
1-76-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-77-P	55	90	18.10	1386.00	-0.25	-340.21	0.000000	0.00	0.000
1-78-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
1-79-P	55	90	18.10	1386.00	-0.21	-340.21	0.000000	0.00	0.000
1-80-P	55	90	18.10	1386.00	-0.21	-340.21	0.000000	0.00	0.000
1-81-P	55	90	18.10	1386.00	-0.22	-340.21	0.000000	0.00	0.000
3-1-P	84	90	22.62	2110.50	1.75	-500.57	0.000000	0.00	0.000
3-2-P	84	90	22.62	2110.50	2.37	-500.57	0.000000	0.00	0.000
3-3-P	84	90	22.62	2110.50	3.17	-500.57	0.000000	0.00	0.000
3-4-P	84	90	22.62	2110.50	4.51	-500.57	0.000000	0.00	0.000
3-5-P	84	90	22.62	2110.50	5.93	-500.57	0.000000	0.00	0.000
3-6-P	84	90	22.62	2110.50	6.47	-500.57	0.000000	0.00	0.000
3-7-P	84	90	22.62	2110.50	7.07	-500.57	0.000000	0.00	0.000
3-8-P	84	90	22.62	2110.50	7.32	-500.57	0.000000	0.00	0.000
3-9-P	84	90	22.62	2110.50	7.34	-500.57	0.000000	0.00	0.000
3-10-P	84	90	22.62	2110.50	7.29	-500.57	0.000000	0.00	0.000
3-11-P	84	90	22.62	2110.50	6.87	-500.57	0.000000	0.00	0.000
3-12-P	84	90	22.62	2110.50	6.48	-500.57	0.000000	0.00	0.000
3-13-P	84	90	22.62	2110.50	5.96	-500.57	0.000000	0.00	0.000
3-14-P	84	90	22.62	2110.50	5.39	-500.57	0.000000	0.00	0.000
3-15-P	84	90	22.62	2110.50	4.89	-500.57	0.000000	0.00	0.000
3-16-P	84	90	22.62	2110.50	4.47	-500.57	0.000000	0.00	0.000
3-17-P	84	90	22.62	2110.50	4.05	-500.57	0.000000	0.00	0.000
3-18-P	84	90	22.62	2110.50	3.82	-500.57	0.000000	0.00	0.000
3-19-P	84	90	22.62	2110.50	-3.66	-500.57	0.000000	0.00	0.000
3-20-P	84	90	22.62	2110.50	-3.91	-500.57	0.000000	0.00	0.000
3-21-P	84	90	22.62	2110.50	-4.15	-500.57	0.000000	0.00	0.000
3-22-P	84	90	22.62	2110.50	-4.37	-500.57	0.000000	0.00	0.000
3-23-P	84	90	22.62	2110.50	-4.52	-500.57	0.000000	0.00	0.000
3-24-P	84	90	22.62	2110.50	-4.69	-500.57	0.000000	0.00	0.000
3-25-P	84	90	22.62	2110.50	-4.82	-500.57	0.000000	0.00	0.000
3-26-P	84	90	22.62	2110.50	-4.94	-500.57	0.000000	0.00	0.000
3-27-P	84	90	22.62	2110.50	-5.06	-500.57	0.000000	0.00	0.000
3-28-P	84	90	22.62	2110.50	-5.16	-500.57	0.000000	0.00	0.000
3-29-P	84	90	22.62	2110.50	-5.26	-500.57	0.000000	0.00	0.000
3-30-P	84	90	22.62	2110.50	-5.36	-500.57	0.000000	0.00	0.000
3-31-P	84	90	22.62	2110.50	-5.47	-500.57	0.000000	0.00	0.000
3-32-P	84	90	22.62	2110.50	-5.55	-500.57	0.000000	0.00	0.000
3-33-P	84	90	22.62	2110.50	-5.61	-500.57	0.000000	0.00	0.000
3-34-P	84	90	22.62	2110.50	-5.67	-500.57	0.000000	0.00	0.000
3-35-P	84	90	22.62	2110.50	-5.69	-500.57	0.000000	0.00	0.000
3-36-P	84	90	22.62	2110.50	-5.73	-500.57	0.000000	0.00	0.000
3-37-P	84	90	22.62	2110.50	-5.75	-500.57	0.000000	0.00	0.000
3-38-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-39-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-40-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-41-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-42-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-43-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-44-P	84	90	22.62	2110.50	-5.76	-500.57	0.000000	0.00	0.000
3-45-P	84	90	22.62	2110.50	-5.75	-500.57	0.000000	0.00	0.000
3-46-P	84	90	22.62	2110.50	-5.73	-500.57	0.000000	0.00	0.000
3-47-P	84	90	22.62	2110.50	-5.69	-500.57	0.000000	0.00	0.000
3-48-P	84	90	22.62	2110.50	-5.67	-500.57	0.000000	0.00	0.000
3-49-P	84	90	22.62	2110.50	-5.61	-500.57	0.000000	0.00	0.000
3-50-P	84	90	22.62	2110.50	-5.55	-500.57	0.000000	0.00	0.000
3-51-P	84	90	22.62	2110.50	-5.47	-500.57	0.000000	0.00	0.000
3-52-P	84	90	22.62	2110.50	-5.36	-500.57	0.000000	0.00	0.000
3-53-P	84	90	22.62	2110.50	-5.26	-500.57	0.000000	0.00	0.000
3-54-P	84	90	22.62	2110.50	-5.16	-500.57	0.000000	0.00	0.000
3-55-P	84	90	22.62	2110.50	-5.06	-500.57	0.000000	0.00	0.000
3-56-P	84	90	22.62	2110.50	-4.94	-500.57	0.000000	0.00	0.000
3-57-P	84	90	22.62	2110.50	-4.82	-500.57	0.000000	0.00	0.000
3-58-P	84	90	22.62	2110.50	-4.69	-500.57	0.000000	0.00	0.000
3-59-P	84	90	22.62	2110.50	-4.52	-500.57	0.000000	0.00	0.000
3-60-P	84	90	22.62	2110.50	-4.37	-500.57	0.000000	0.00	0.000
3-61-P	84	90	22.62	2110.50	-4.15	-500.57	0.000000	0.00	0.000
3-62-P	84	90	22.62	2110.50	-3.91	-500.57	0.000000	0.00	0.000
3-63-P	84	90	22.62	2110.50	-3.66	-500.57	0.000000	0.00	0.000
3-64-P	84	90	22.62	2110.50	3.82	-500.57	0.000000	0.00	0.000
3-65-P	84	90	22.62	2110.50	4.05	-500.57	0.000000	0.00	0.000
3-66-P	84	90	22.62	2110.50	4.47	-500.57	0.000000	0.00	0.000
3-67-P	84	90	22.62	2110.50	4.89	-500.57	0.000000	0.00	0.000
3-68-P	84	90	22.62	2110.50	5.39	-500.57	0.000000	0.00	0.000
3-69-P	84	90	22.62	2110.50	5.96	-500.57	0.000000	0.00	0.000
3-70-P	84	90	22.62	2110.50	6.48	-500.57	0.000000	0.00	0.000
3-71-P	84	90	22.62	2110.50	6.87	-500.57	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-72-P	84	90	22.62	2110.50	7.29	-500.57	0.000000	0.00	0.000
3-73-P	84	90	22.62	2110.50	7.34	-500.57	0.000000	0.00	0.000
3-74-P	84	90	22.62	2110.50	7.32	-500.57	0.000000	0.00	0.000
3-75-P	84	90	22.62	2110.50	7.07	-500.57	0.000000	0.00	0.000
3-76-P	84	90	22.62	2110.50	6.47	-500.57	0.000000	0.00	0.000
3-77-P	84	90	22.62	2110.50	5.93	-500.57	0.000000	0.00	0.000
3-78-P	84	90	22.62	2110.50	4.51	-500.57	0.000000	0.00	0.000
3-79-P	84	90	22.62	2110.50	3.17	-500.57	0.000000	0.00	0.000
3-80-P	84	90	22.62	2110.50	2.37	-500.57	0.000000	0.00	0.000
3-81-P	84	90	22.62	2110.50	1.75	-500.57	0.000000	0.00	0.000
4-1-P	84	90	18.10	2110.50	-1.77	-484.54	0.000000	0.00	0.000
4-2-P	84	90	18.10	2110.50	1.54	-484.54	0.000000	0.00	0.000
4-3-P	84	90	18.10	2110.50	3.36	-484.54	0.000000	0.00	0.000
4-4-P	84	90	18.10	2110.50	7.23	-484.54	0.000000	0.00	0.000
4-5-P	84	90	18.10	2110.50	11.33	-484.54	0.000000	0.00	0.000
4-6-P	84	90	18.10	2110.50	14.02	-484.54	0.000000	0.00	0.000
4-7-P	84	90	18.10	2110.50	16.71	-484.54	0.000000	0.00	0.000
4-8-P	84	90	18.10	2110.50	19.48	-484.54	0.000000	0.00	0.000
4-9-P	84	90	18.10	2110.50	22.32	-484.54	0.000000	0.00	0.000
4-10-P	84	90	18.10	2110.50	24.61	-484.54	0.000000	0.00	0.000
4-11-P	84	90	18.10	2110.50	24.79	-484.54	0.000000	0.00	0.000
4-12-P	84	90	18.10	2110.50	24.96	-484.54	0.000000	0.00	0.000
4-13-P	84	90	18.10	2110.50	23.31	-484.54	0.000000	0.00	0.000
4-14-P	84	90	18.10	2110.50	21.21	-484.54	0.000000	0.00	0.000
4-15-P	84	90	18.10	2110.50	19.73	-484.54	0.000000	0.00	0.000
4-16-P	84	90	18.10	2110.50	19.18	-484.54	0.000000	0.00	0.000
4-17-P	84	90	18.10	2110.50	18.63	-484.54	0.000000	0.00	0.000
4-18-P	84	90	18.10	2110.50	18.30	-484.54	0.000000	0.00	0.000
4-19-P	84	90	18.10	2110.50	17.96	-484.54	0.000000	0.00	0.000
4-20-P	84	90	18.10	2110.50	18.67	-484.54	0.000000	0.00	0.000
4-21-P	84	90	18.10	2110.50	20.09	-484.54	0.000000	0.00	0.000
4-22-P	84	90	18.10	2110.50	21.14	-484.54	0.000000	0.00	0.000
4-23-P	84	90	18.10	2110.50	20.76	-484.54	0.000000	0.00	0.000
4-24-P	84	90	18.10	2110.50	20.38	-484.54	0.000000	0.00	0.000
4-25-P	84	90	18.10	2110.50	18.57	-484.54	0.000000	0.00	0.000
4-26-P	84	90	18.10	2110.50	16.40	-484.54	0.000000	0.00	0.000
4-27-P	84	90	18.10	2110.50	14.95	-484.54	0.000000	0.00	0.000
4-28-P	84	90	18.10	2110.50	14.57	-484.54	0.000000	0.00	0.000
4-29-P	84	90	18.10	2110.50	14.19	-484.54	0.000000	0.00	0.000
4-30-P	84	90	18.10	2110.50	14.12	-484.54	0.000000	0.00	0.000
4-31-P	84	90	18.10	2110.50	14.05	-484.54	0.000000	0.00	0.000
4-32-P	84	90	18.10	2110.50	15.05	-484.54	0.000000	0.00	0.000
4-33-P	84	90	18.10	2110.50	16.76	-484.54	0.000000	0.00	0.000
4-34-P	84	90	18.10	2110.50	18.10	-484.54	0.000000	0.00	0.000
4-35-P	84	90	18.10	2110.50	18.01	-484.54	0.000000	0.00	0.000
4-36-P	84	90	18.10	2110.50	17.91	-484.54	0.000000	0.00	0.000
4-37-P	84	90	18.10	2110.50	16.37	-484.54	0.000000	0.00	0.000
4-38-P	84	90	18.10	2110.50	14.46	-484.54	0.000000	0.00	0.000
4-39-P	84	90	18.10	2110.50	13.26	-484.54	0.000000	0.00	0.000
4-40-P	84	90	18.10	2110.50	13.11	-484.54	0.000000	0.00	0.000
4-41-P	84	90	18.10	2110.50	12.97	-484.54	0.000000	0.00	0.000
4-42-P	84	90	18.10	2110.50	13.11	-484.54	0.000000	0.00	0.000
4-43-P	84	90	18.10	2110.50	13.26	-484.54	0.000000	0.00	0.000
4-44-P	84	90	18.10	2110.50	14.46	-484.54	0.000000	0.00	0.000
4-45-P	84	90	18.10	2110.50	16.37	-484.54	0.000000	0.00	0.000
4-46-P	84	90	18.10	2110.50	17.91	-484.54	0.000000	0.00	0.000
4-47-P	84	90	18.10	2110.50	18.01	-484.54	0.000000	0.00	0.000
4-48-P	84	90	18.10	2110.50	18.10	-484.54	0.000000	0.00	0.000
4-49-P	84	90	18.10	2110.50	16.76	-484.54	0.000000	0.00	0.000
4-50-P	84	90	18.10	2110.50	15.05	-484.54	0.000000	0.00	0.000
4-51-P	84	90	18.10	2110.50	14.05	-484.54	0.000000	0.00	0.000
4-52-P	84	90	18.10	2110.50	14.12	-484.54	0.000000	0.00	0.000
4-53-P	84	90	18.10	2110.50	14.19	-484.54	0.000000	0.00	0.000
4-54-P	84	90	18.10	2110.50	14.57	-484.54	0.000000	0.00	0.000
4-55-P	84	90	18.10	2110.50	14.95	-484.54	0.000000	0.00	0.000
4-56-P	84	90	18.10	2110.50	16.40	-484.54	0.000000	0.00	0.000
4-57-P	84	90	18.10	2110.50	18.57	-484.54	0.000000	0.00	0.000
4-58-P	84	90	18.10	2110.50	20.38	-484.54	0.000000	0.00	0.000
4-59-P	84	90	18.10	2110.50	20.76	-484.54	0.000000	0.00	0.000
4-60-P	84	90	18.10	2110.50	21.14	-484.54	0.000000	0.00	0.000
4-61-P	84	90	18.10	2110.50	20.09	-484.54	0.000000	0.00	0.000
4-62-P	84	90	18.10	2110.50	18.67	-484.54	0.000000	0.00	0.000
4-63-P	84	90	18.10	2110.50	17.96	-484.54	0.000000	0.00	0.000
4-64-P	84	90	18.10	2110.50	18.30	-484.54	0.000000	0.00	0.000
4-65-P	84	90	18.10	2110.50	18.63	-484.54	0.000000	0.00	0.000
4-66-P	84	90	18.10	2110.50	19.18	-484.54	0.000000	0.00	0.000
4-67-P	84	90	18.10	2110.50	19.73	-484.54	0.000000	0.00	0.000
4-68-P	84	90	18.10	2110.50	21.21	-484.54	0.000000	0.00	0.000
4-69-P	84	90	18.10	2110.50	23.31	-484.54	0.000000	0.00	0.000
4-70-P	84	90	18.10	2110.50	24.96	-484.54	0.000000	0.00	0.000
4-71-P	84	90	18.10	2110.50	24.79	-484.54	0.000000	0.00	0.000
4-72-P	84	90	18.10	2110.50	24.61	-484.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-73-P	84	90	18.10	2110.50	22.32	-484.54	0.000000	0.00	0.000
4-74-P	84	90	18.10	2110.50	19.48	-484.54	0.000000	0.00	0.000
4-75-P	84	90	18.10	2110.50	16.71	-484.54	0.000000	0.00	0.000
4-76-P	84	90	18.10	2110.50	14.02	-484.54	0.000000	0.00	0.000
4-77-P	84	90	18.10	2110.50	11.33	-484.54	0.000000	0.00	0.000
4-78-P	84	90	18.10	2110.50	7.23	-484.54	0.000000	0.00	0.000
4-79-P	84	90	18.10	2110.50	3.36	-484.54	0.000000	0.00	0.000
4-80-P	84	90	18.10	2110.50	1.54	-484.54	0.000000	0.00	0.000
4-81-P	84	90	18.10	2110.50	-1.77	-484.54	0.000000	0.00	0.000
5-1-P	84	90	18.10	2110.50	3.63	484.54	0.000000	0.00	0.000
5-2-P	84	90	18.10	2110.50	-2.84	-484.54	0.000000	0.00	0.000
5-3-P	84	90	18.10	2110.50	-10.03	-484.54	0.000000	0.00	0.000
5-4-P	84	90	18.10	2110.50	-18.90	-484.54	0.000000	0.00	0.000
5-5-P	84	90	18.10	2110.50	-32.94	-484.54	0.000000	0.00	0.000
5-6-P	84	90	18.10	2110.50	-16.67	-484.54	0.000000	0.00	0.000
5-7-P	84	90	18.10	2110.50	13.21	-484.54	0.000000	0.00	0.000
5-8-P	84	90	18.10	2110.50	20.34	-484.54	0.000000	0.00	0.000
5-9-P	84	90	18.10	2110.50	30.37	484.54	0.000000	0.00	0.000
5-10-P	84	90	18.10	2110.50	38.77	484.54	0.000000	0.00	0.000
5-11-P	84	90	18.10	2110.50	39.38	484.54	0.000000	0.00	0.000
5-12-P	84	90	18.10	2110.50	39.99	484.54	0.000000	0.00	0.000
5-13-P	84	90	18.10	2110.50	33.24	484.54	0.000000	0.00	0.000
5-14-P	84	90	18.10	2110.50	24.65	484.54	0.000000	0.00	0.000
5-15-P	84	90	18.10	2110.50	13.65	-484.54	0.000000	0.00	0.000
5-16-P	84	90	18.10	2110.50	-10.07	-484.54	0.000000	0.00	0.000
5-17-P	84	90	18.10	2110.50	-25.63	-484.54	0.000000	0.00	0.000
5-18-P	84	90	18.10	2110.50	-11.17	-484.54	0.000000	0.00	0.000
5-19-P	84	90	18.10	2110.50	14.47	-484.54	0.000000	0.00	0.000
5-20-P	84	90	18.10	2110.50	22.94	-484.54	0.000000	0.00	0.000
5-21-P	84	90	18.10	2110.50	31.17	484.54	0.000000	0.00	0.000
5-22-P	84	90	18.10	2110.50	37.67	484.54	0.000000	0.00	0.000
5-23-P	84	90	18.10	2110.50	37.25	484.54	0.000000	0.00	0.000
5-24-P	84	90	18.10	2110.50	36.83	484.54	0.000000	0.00	0.000
5-25-P	84	90	18.10	2110.50	29.52	484.54	0.000000	0.00	0.000
5-26-P	84	90	18.10	2110.50	20.48	484.54	0.000000	0.00	0.000
5-27-P	84	90	18.10	2110.50	10.05	-484.54	0.000000	0.00	0.000
5-28-P	84	90	18.10	2110.50	-12.23	-484.54	0.000000	0.00	0.000
5-29-P	84	90	18.10	2110.50	-27.77	-484.54	0.000000	0.00	0.000
5-30-P	84	90	18.10	2110.50	-12.76	-484.54	0.000000	0.00	0.000
5-31-P	84	90	18.10	2110.50	10.18	-484.54	0.000000	0.00	0.000
5-32-P	84	90	18.10	2110.50	18.81	-484.54	0.000000	0.00	0.000
5-33-P	84	90	18.10	2110.50	27.28	484.54	0.000000	0.00	0.000
5-34-P	84	90	18.10	2110.50	34.04	484.54	0.000000	0.00	0.000
5-35-P	84	90	18.10	2110.50	33.91	484.54	0.000000	0.00	0.000
5-36-P	84	90	18.10	2110.50	33.78	484.54	0.000000	0.00	0.000
5-37-P	84	90	18.10	2110.50	26.76	484.54	0.000000	0.00	0.000
5-38-P	84	90	18.10	2110.50	18.02	-484.54	0.000000	0.00	0.000
5-39-P	84	90	18.10	2110.50	8.97	-484.54	0.000000	0.00	0.000
5-40-P	84	90	18.10	2110.50	-13.28	-484.54	0.000000	0.00	0.000
5-41-P	84	90	18.10	2110.50	-28.62	-484.54	0.000000	0.00	0.000
5-42-P	84	90	18.10	2110.50	-13.28	-484.54	0.000000	0.00	0.000
5-43-P	84	90	18.10	2110.50	8.97	-484.54	0.000000	0.00	0.000
5-44-P	84	90	18.10	2110.50	18.02	-484.54	0.000000	0.00	0.000
5-45-P	84	90	18.10	2110.50	26.76	484.54	0.000000	0.00	0.000
5-46-P	84	90	18.10	2110.50	33.78	484.54	0.000000	0.00	0.000
5-47-P	84	90	18.10	2110.50	33.91	484.54	0.000000	0.00	0.000
5-48-P	84	90	18.10	2110.50	34.04	484.54	0.000000	0.00	0.000
5-49-P	84	90	18.10	2110.50	27.28	484.54	0.000000	0.00	0.000
5-50-P	84	90	18.10	2110.50	18.81	-484.54	0.000000	0.00	0.000
5-51-P	84	90	18.10	2110.50	10.18	-484.54	0.000000	0.00	0.000
5-52-P	84	90	18.10	2110.50	-12.76	-484.54	0.000000	0.00	0.000
5-53-P	84	90	18.10	2110.50	-27.77	-484.54	0.000000	0.00	0.000
5-54-P	84	90	18.10	2110.50	-12.23	-484.54	0.000000	0.00	0.000
5-55-P	84	90	18.10	2110.50	10.05	-484.54	0.000000	0.00	0.000
5-56-P	84	90	18.10	2110.50	20.48	484.54	0.000000	0.00	0.000
5-57-P	84	90	18.10	2110.50	29.52	484.54	0.000000	0.00	0.000
5-58-P	84	90	18.10	2110.50	36.83	484.54	0.000000	0.00	0.000
5-59-P	84	90	18.10	2110.50	37.25	484.54	0.000000	0.00	0.000
5-60-P	84	90	18.10	2110.50	37.67	484.54	0.000000	0.00	0.000
5-61-P	84	90	18.10	2110.50	31.17	484.54	0.000000	0.00	0.000
5-62-P	84	90	18.10	2110.50	22.94	-484.54	0.000000	0.00	0.000
5-63-P	84	90	18.10	2110.50	14.47	-484.54	0.000000	0.00	0.000
5-64-P	84	90	18.10	2110.50	-11.17	-484.54	0.000000	0.00	0.000
5-65-P	84	90	18.10	2110.50	-25.63	-484.54	0.000000	0.00	0.000
5-66-P	84	90	18.10	2110.50	-10.07	-484.54	0.000000	0.00	0.000
5-67-P	84	90	18.10	2110.50	13.65	-484.54	0.000000	0.00	0.000
5-68-P	84	90	18.10	2110.50	24.65	484.54	0.000000	0.00	0.000
5-69-P	84	90	18.10	2110.50	33.24	484.54	0.000000	0.00	0.000
5-70-P	84	90	18.10	2110.50	39.99	484.54	0.000000	0.00	0.000
5-71-P	84	90	18.10	2110.50	39.38	484.54	0.000000	0.00	0.000
5-72-P	84	90	18.10	2110.50	38.77	484.54	0.000000	0.00	0.000
5-73-P	84	90	18.10	2110.50	30.37	484.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-74-P	84	90	18.10	2110.50	20.34	-484.54	0.000000	0.00	0.000
5-75-P	84	90	18.10	2110.50	13.21	-484.54	0.000000	0.00	0.000
5-76-P	84	90	18.10	2110.50	-16.67	-484.54	0.000000	0.00	0.000
5-77-P	84	90	18.10	2110.50	-32.94	-484.54	0.000000	0.00	0.000
5-78-P	84	90	18.10	2110.50	-18.90	-484.54	0.000000	0.00	0.000
5-79-P	84	90	18.10	2110.50	-10.03	-484.54	0.000000	0.00	0.000
5-80-P	84	90	18.10	2110.50	-2.84	-484.54	0.000000	0.00	0.000
5-81-P	84	90	18.10	2110.50	3.63	484.54	0.000000	0.00	0.000
6-1-P	84	90	22.62	2110.46	-4.74	-500.56	0.000000	0.00	0.000
6-2-P	84	90	22.62	2110.46	-11.01	-500.56	0.000000	0.00	0.000
6-3-P	84	90	22.62	2110.46	-19.59	-500.56	0.000000	0.00	0.000
6-4-P	84	90	22.62	2110.46	-50.64	-500.56	0.000000	0.00	0.000
6-5-P	84	90	22.62	2110.46	-83.42	-500.56	0.000000	0.00	0.000
6-6-P	84	90	22.62	2110.46	-46.18	-500.56	0.000000	0.00	0.000
6-7-P	84	90	22.62	2110.46	-16.49	-500.56	0.000000	0.00	0.000
6-8-P	84	90	22.62	2110.46	17.48	-500.56	0.000000	0.00	0.000
6-9-P	84	90	22.62	2110.46	29.04	500.56	0.000000	0.00	0.000
6-10-P	84	90	22.62	2110.46	40.80	500.56	0.000000	0.00	0.000
6-11-P	84	90	22.62	2110.46	41.66	500.56	0.000000	0.00	0.000
6-12-P	84	90	22.62	2110.46	42.52	500.56	0.000000	0.00	0.000
6-13-P	84	90	22.62	2110.46	32.55	500.56	0.000000	0.00	0.000
6-14-P	84	90	22.62	2110.46	19.88	500.56	0.000000	0.00	0.000
6-15-P	84	90	22.62	2110.46	-4.72	-500.56	0.000000	0.00	0.000
6-16-P	84	90	22.62	2110.46	-36.33	-500.56	0.000000	0.00	0.000
6-17-P	84	90	22.62	2110.46	-71.11	-500.56	0.000000	0.00	0.000
6-18-P	84	90	22.62	2110.46	-36.85	-500.56	0.000000	0.00	0.000
6-19-P	84	90	22.62	2110.46	-9.64	-500.56	0.000000	0.00	0.000
6-20-P	84	90	22.62	2110.46	18.65	-500.56	0.000000	0.00	0.000
6-21-P	84	90	22.62	2110.46	30.96	500.56	0.000000	0.00	0.000
6-22-P	84	90	22.62	2110.46	40.83	500.56	0.000000	0.00	0.000
6-23-P	84	90	22.62	2110.46	40.37	500.56	0.000000	0.00	0.000
6-24-P	84	90	22.62	2110.46	39.90	500.56	0.000000	0.00	0.000
6-25-P	84	90	22.62	2110.46	29.14	500.56	0.000000	0.00	0.000
6-26-P	84	90	22.62	2110.46	15.81	-500.56	0.000000	0.00	0.000
6-27-P	84	90	22.62	2110.46	-9.54	-500.56	0.000000	0.00	0.000
6-28-P	84	90	22.62	2110.46	-41.10	-500.56	0.000000	0.00	0.000
6-29-P	84	90	22.62	2110.46	-76.08	-500.56	0.000000	0.00	0.000
6-30-P	84	90	22.62	2110.46	-41.76	-500.56	0.000000	0.00	0.000
6-31-P	84	90	22.62	2110.46	-11.59	-500.56	0.000000	0.00	0.000
6-32-P	84	90	22.62	2110.46	14.00	-500.56	0.000000	0.00	0.000
6-33-P	84	90	22.62	2110.46	26.51	500.56	0.000000	0.00	0.000
6-34-P	84	90	22.62	2110.46	36.62	500.56	0.000000	0.00	0.000
6-35-P	84	90	22.62	2110.46	36.46	500.56	0.000000	0.00	0.000
6-36-P	84	90	22.62	2110.46	36.30	500.56	0.000000	0.00	0.000
6-37-P	84	90	22.62	2110.46	25.87	500.56	0.000000	0.00	0.000
6-38-P	84	90	22.62	2110.46	13.01	-500.56	0.000000	0.00	0.000
6-39-P	84	90	22.62	2110.46	-12.17	-500.56	0.000000	0.00	0.000
6-40-P	84	90	22.62	2110.46	-43.37	-500.56	0.000000	0.00	0.000
6-41-P	84	90	22.62	2110.46	-78.02	-500.56	0.000000	0.00	0.000
6-42-P	84	90	22.62	2110.46	-43.37	-500.56	0.000000	0.00	0.000
6-43-P	84	90	22.62	2110.46	-12.17	-500.56	0.000000	0.00	0.000
6-44-P	84	90	22.62	2110.46	13.01	-500.56	0.000000	0.00	0.000
6-45-P	84	90	22.62	2110.46	25.87	500.56	0.000000	0.00	0.000
6-46-P	84	90	22.62	2110.46	36.30	500.56	0.000000	0.00	0.000
6-47-P	84	90	22.62	2110.46	36.46	500.56	0.000000	0.00	0.000
6-48-P	84	90	22.62	2110.46	36.62	500.56	0.000000	0.00	0.000
6-49-P	84	90	22.62	2110.46	26.51	500.56	0.000000	0.00	0.000
6-50-P	84	90	22.62	2110.46	14.00	-500.56	0.000000	0.00	0.000
6-51-P	84	90	22.62	2110.46	-11.59	-500.56	0.000000	0.00	0.000
6-52-P	84	90	22.62	2110.46	-41.76	-500.56	0.000000	0.00	0.000
6-53-P	84	90	22.62	2110.46	-76.08	-500.56	0.000000	0.00	0.000
6-54-P	84	90	22.62	2110.46	-41.10	-500.56	0.000000	0.00	0.000
6-55-P	84	90	22.62	2110.46	-9.54	-500.56	0.000000	0.00	0.000
6-56-P	84	90	22.62	2110.46	15.81	-500.56	0.000000	0.00	0.000
6-57-P	84	90	22.62	2110.46	29.14	500.56	0.000000	0.00	0.000
6-58-P	84	90	22.62	2110.46	39.90	500.56	0.000000	0.00	0.000
6-59-P	84	90	22.62	2110.46	40.37	500.56	0.000000	0.00	0.000
6-60-P	84	90	22.62	2110.46	40.83	500.56	0.000000	0.00	0.000
6-61-P	84	90	22.62	2110.46	30.96	500.56	0.000000	0.00	0.000
6-62-P	84	90	22.62	2110.46	18.65	-500.56	0.000000	0.00	0.000
6-63-P	84	90	22.62	2110.46	-9.64	-500.56	0.000000	0.00	0.000
6-64-P	84	90	22.62	2110.46	-36.85	-500.56	0.000000	0.00	0.000
6-65-P	84	90	22.62	2110.46	-71.11	-500.56	0.000000	0.00	0.000
6-66-P	84	90	22.62	2110.46	-36.33	-500.56	0.000000	0.00	0.000
6-67-P	84	90	22.62	2110.46	-4.72	-500.56	0.000000	0.00	0.000
6-68-P	84	90	22.62	2110.46	19.88	500.56	0.000000	0.00	0.000
6-69-P	84	90	22.62	2110.46	32.55	500.56	0.000000	0.00	0.000
6-70-P	84	90	22.62	2110.46	42.52	500.56	0.000000	0.00	0.000
6-71-P	84	90	22.62	2110.46	41.66	500.56	0.000000	0.00	0.000
6-72-P	84	90	22.62	2110.46	40.80	500.56	0.000000	0.00	0.000
6-73-P	84	90	22.62	2110.46	29.04	500.56	0.000000	0.00	0.000
6-74-P	84	90	22.62	2110.46	17.48	-500.56	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-75-P	84	90	22.62	2110.46	-16.49	-500.56	0.000000	0.00	0.000
6-76-P	84	90	22.62	2110.46	-46.18	-500.56	0.000000	0.00	0.000
6-77-P	84	90	22.62	2110.46	-83.42	-500.56	0.000000	0.00	0.000
6-78-P	84	90	22.62	2110.46	-50.64	-500.56	0.000000	0.00	0.000
6-79-P	84	90	22.62	2110.46	-19.59	-500.56	0.000000	0.00	0.000
6-80-P	84	90	22.62	2110.46	-11.01	-500.56	0.000000	0.00	0.000
6-81-P	84	90	22.62	2110.46	-4.74	-500.56	0.000000	0.00	0.000
7-1-S	100	90	22.62	2520.00	0.08	-582.15	0.000000	0.00	0.000
7-2-S	100	90	22.62	2520.00	-1.03	-582.15	0.000000	0.00	0.000
7-3-S	100	90	22.62	2520.00	-2.13	-582.15	0.000000	0.00	0.000
7-4-S	100	90	22.62	2520.00	-3.25	-582.15	0.000000	0.00	0.000
7-5-S	100	90	22.62	2520.00	-2.51	-582.15	0.000000	0.00	0.000
7-6-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
7-7-S	100	90	22.62	2520.00	52.88	-582.15	0.000000	0.00	0.000
7-8-S	100	90	22.62	2520.00	71.38	-582.15	0.000000	0.00	0.000
7-9-S	100	90	22.62	2520.00	88.53	-582.15	0.000000	0.00	0.000
7-10-S	100	90	22.62	2520.00	97.01	-582.15	0.000000	0.00	0.000
7-11-S	100	90	22.62	2520.00	102.34	-582.15	0.000000	0.00	0.000
7-12-S	100	90	22.62	2520.00	99.94	-582.15	0.000000	0.00	0.000
7-13-S	100	90	22.62	2520.00	92.54	-582.15	0.000000	0.00	0.000
7-14-S	100	90	22.62	2520.00	67.75	-582.15	0.000000	0.00	0.000
7-15-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
7-16-S	100	90	22.62	2520.00	-21.49	-582.15	0.000000	0.00	0.000
7-17-S	100	90	22.62	2520.00	-20.52	-582.15	0.000000	0.00	0.000
7-18-S	100	90	22.62	2520.00	-13.05	-582.15	0.000000	0.00	0.000
7-19-S	100	90	22.62	2520.00	-2.53	-582.15	0.000000	0.00	0.000
8-1-S	100	90	22.62	2520.00	0.02	-582.15	0.000000	0.00	0.000
8-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
8-3-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
8-4-S	100	90	22.62	2520.00	-3.49	-582.15	0.000000	0.00	0.000
8-5-S	100	90	22.62	2520.00	-13.14	-582.15	0.000000	0.00	0.000
8-6-S	100	90	22.62	2520.00	15.23	-582.15	0.000000	0.00	0.000
8-7-S	100	90	22.62	2520.00	43.40	-582.15	0.000000	0.00	0.000
8-8-S	100	90	22.62	2520.00	62.41	-582.15	0.000000	0.00	0.000
8-9-S	100	90	22.62	2520.00	80.01	-582.15	0.000000	0.00	0.000
8-10-S	100	90	22.62	2520.00	89.83	-582.15	0.000000	0.00	0.000
8-11-S	100	90	22.62	2520.00	96.86	582.15	0.000000	0.00	0.000
8-12-S	100	90	22.62	2520.00	96.85	582.15	0.000000	0.00	0.000
8-13-S	100	90	22.62	2520.00	92.36	-582.15	0.000000	0.00	0.000
8-14-S	100	90	22.62	2520.00	69.83	-582.15	0.000000	0.00	0.000
8-15-S	100	90	22.62	2520.00	30.34	-582.15	0.000000	0.00	0.000
8-16-S	100	90	22.62	2520.00	-26.71	-582.15	0.000000	0.00	0.000
8-17-S	100	90	22.62	2520.00	-24.96	-582.15	0.000000	0.00	0.000
8-18-S	100	90	22.62	2520.00	-16.68	-582.15	0.000000	0.00	0.000
8-19-S	100	90	22.62	2520.00	-5.76	-582.15	0.000000	0.00	0.000
9-1-S	100	90	22.62	2520.00	-0.03	-582.15	0.000000	0.00	0.000
9-2-S	100	90	22.62	2520.00	-1.14	-582.15	0.000000	0.00	0.000
9-3-S	100	90	22.62	2520.00	-2.25	-582.15	0.000000	0.00	0.000
9-4-S	100	90	22.62	2520.00	-3.37	-582.15	0.000000	0.00	0.000
9-5-S	100	90	22.62	2520.00	-33.77	-582.15	0.000000	0.00	0.000
9-6-S	100	90	22.62	2520.00	-4.62	-582.15	0.000000	0.00	0.000
9-7-S	100	90	22.62	2520.00	28.78	-582.15	0.000000	0.00	0.000
9-8-S	100	90	22.62	2520.00	48.55	-582.15	0.000000	0.00	0.000
9-9-S	100	90	22.62	2520.00	66.58	-582.15	0.000000	0.00	0.000
9-10-S	100	90	22.62	2520.00	74.38	-582.15	0.000000	0.00	0.000
9-11-S	100	90	22.62	2520.00	78.54	582.15	0.000000	0.00	0.000
9-12-S	100	90	22.62	2520.00	76.32	582.15	0.000000	0.00	0.000
9-13-S	100	90	22.62	2520.00	69.95	582.15	0.000000	0.00	0.000
9-14-S	100	90	22.62	2520.00	60.18	582.15	0.000000	0.00	0.000
9-15-S	100	90	22.62	2520.00	46.64	582.15	0.000000	0.00	0.000
9-16-S	100	90	22.62	2520.00	32.95	582.15	0.000000	0.00	0.000
9-17-S	100	90	22.62	2520.00	18.99	582.15	0.000000	0.00	0.000
9-18-S	100	90	22.62	2520.00	9.78	582.15	0.000000	0.00	0.000
9-19-S	100	90	22.62	2520.00	2.89	582.15	0.000000	0.00	0.000
10-1-S	100	90	22.62	2520.00	-0.01	-582.15	0.000000	0.00	0.000
10-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
10-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
10-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
10-5-S	100	90	22.62	2520.00	-48.19	-582.15	0.000000	0.00	0.000
10-6-S	100	90	22.62	2520.00	-14.56	-582.15	0.000000	0.00	0.000
10-7-S	100	90	22.62	2520.00	19.07	-582.15	0.000000	0.00	0.000
10-8-S	100	90	22.62	2520.00	42.09	-582.15	0.000000	0.00	0.000
10-9-S	100	90	22.62	2520.00	63.51	-582.15	0.000000	0.00	0.000
10-10-S	100	90	22.62	2520.00	76.49	582.15	0.000000	0.00	0.000
10-11-S	100	90	22.62	2520.00	86.48	582.15	0.000000	0.00	0.000
10-12-S	100	90	22.62	2520.00	88.68	582.15	0.000000	0.00	0.000
10-13-S	100	90	22.62	2520.00	85.79	582.15	0.000000	0.00	0.000
10-14-S	100	90	22.62	2520.00	64.29	582.15	0.000000	0.00	0.000
10-15-S	100	90	22.62	2520.00	24.62	-582.15	0.000000	0.00	0.000
10-16-S	100	90	22.62	2520.00	-22.94	-582.15	0.000000	0.00	0.000
10-17-S	100	90	22.62	2520.00	-21.38	-582.15	0.000000	0.00	0.000
10-18-S	100	90	22.62	2520.00	-14.08	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
10-19-S	100	90	22.62	2520.00	-2.63	-582.15	0.000000	0.00	0.000
11-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
11-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
11-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
11-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
11-5-S	100	90	22.62	2520.00	-59.39	-582.15	0.000000	0.00	0.000
11-6-S	100	90	22.62	2520.00	-24.62	-582.15	0.000000	0.00	0.000
11-7-S	100	90	22.62	2520.00	10.15	-582.15	0.000000	0.00	0.000
11-8-S	100	90	22.62	2520.00	34.29	-582.15	0.000000	0.00	0.000
11-9-S	100	90	22.62	2520.00	56.83	-582.15	0.000000	0.00	0.000
11-10-S	100	90	22.62	2520.00	70.84	-582.15	0.000000	0.00	0.000
11-11-S	100	90	22.62	2520.00	81.82	582.15	0.000000	0.00	0.000
11-12-S	100	90	22.62	2520.00	84.92	582.15	0.000000	0.00	0.000
11-13-S	100	90	22.62	2520.00	82.85	582.15	0.000000	0.00	0.000
11-14-S	100	90	22.62	2520.00	62.18	-582.15	0.000000	0.00	0.000
11-15-S	100	90	22.62	2520.00	25.40	-582.15	0.000000	0.00	0.000
11-16-S	100	90	22.62	2520.00	-24.93	-582.15	0.000000	0.00	0.000
11-17-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
11-18-S	100	90	22.62	2520.00	-14.98	-582.15	0.000000	0.00	0.000
11-19-S	100	90	22.62	2520.00	-3.95	-582.15	0.000000	0.00	0.000
12-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
12-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
12-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
12-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
12-5-S	100	90	22.62	2520.00	-68.15	-582.15	0.000000	0.00	0.000
12-6-S	100	90	22.62	2520.00	-33.06	-582.15	0.000000	0.00	0.000
12-7-S	100	90	22.62	2520.00	2.23	-582.15	0.000000	0.00	0.000
12-8-S	100	90	22.62	2520.00	25.35	-582.15	0.000000	0.00	0.000
12-9-S	100	90	22.62	2520.00	46.88	-582.15	0.000000	0.00	0.000
12-10-S	100	90	22.62	2520.00	57.82	-582.15	0.000000	0.00	0.000
12-11-S	100	90	22.62	2520.00	64.99	582.15	0.000000	0.00	0.000
12-12-S	100	90	22.62	2520.00	65.44	582.15	0.000000	0.00	0.000
12-13-S	100	90	22.62	2520.00	61.50	582.15	0.000000	0.00	0.000
12-14-S	100	90	22.62	2520.00	53.89	582.15	0.000000	0.00	0.000
12-15-S	100	90	22.62	2520.00	42.21	582.15	0.000000	0.00	0.000
12-16-S	100	90	22.62	2520.00	30.18	582.15	0.000000	0.00	0.000
12-17-S	100	90	22.62	2520.00	17.49	582.15	0.000000	0.00	0.000
12-18-S	100	90	22.62	2520.00	9.04	582.15	0.000000	0.00	0.000
12-19-S	100	90	22.62	2520.00	2.68	582.15	0.000000	0.00	0.000
13-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
13-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
13-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
13-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
13-5-S	100	90	22.62	2520.00	-70.88	-582.15	0.000000	0.00	0.000
13-6-S	100	90	22.62	2520.00	-35.40	-582.15	0.000000	0.00	0.000
13-7-S	100	90	22.62	2520.00	0.39	-582.15	0.000000	0.00	0.000
13-8-S	100	90	22.62	2520.00	25.13	-582.15	0.000000	0.00	0.000
13-9-S	100	90	22.62	2520.00	48.59	-582.15	0.000000	0.00	0.000
13-10-S	100	90	22.62	2520.00	63.59	-582.15	0.000000	0.00	0.000
13-11-S	100	90	22.62	2520.00	75.56	582.15	0.000000	0.00	0.000
13-12-S	100	90	22.62	2520.00	79.64	582.15	0.000000	0.00	0.000
13-13-S	100	90	22.62	2520.00	78.55	582.15	0.000000	0.00	0.000
13-14-S	100	90	22.62	2520.00	58.71	582.15	0.000000	0.00	0.000
13-15-S	100	90	22.62	2520.00	22.13	-582.15	0.000000	0.00	0.000
13-16-S	100	90	22.62	2520.00	-24.98	-582.15	0.000000	0.00	0.000
13-17-S	100	90	22.62	2520.00	-22.62	-582.15	0.000000	0.00	0.000
13-18-S	100	90	22.62	2520.00	-14.63	-582.15	0.000000	0.00	0.000
13-19-S	100	90	22.62	2520.00	-3.11	-582.15	0.000000	0.00	0.000
14-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
14-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
14-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
14-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
14-5-S	100	90	22.62	2520.00	-73.35	-582.15	0.000000	0.00	0.000
14-6-S	100	90	22.62	2520.00	-37.82	-582.15	0.000000	0.00	0.000
14-7-S	100	90	22.62	2520.00	-2.39	-582.15	0.000000	0.00	0.000
14-8-S	100	90	22.62	2520.00	22.89	-582.15	0.000000	0.00	0.000
14-9-S	100	90	22.62	2520.00	46.50	-582.15	0.000000	0.00	0.000
14-10-S	100	90	22.62	2520.00	61.67	-582.15	0.000000	0.00	0.000
14-11-S	100	90	22.62	2520.00	73.85	582.15	0.000000	0.00	0.000
14-12-S	100	90	22.62	2520.00	78.15	582.15	0.000000	0.00	0.000
14-13-S	100	90	22.62	2520.00	77.29	582.15	0.000000	0.00	0.000
14-14-S	100	90	22.62	2520.00	57.78	-582.15	0.000000	0.00	0.000
14-15-S	100	90	22.62	2520.00	22.16	-582.15	0.000000	0.00	0.000
14-16-S	100	90	22.62	2520.00	-25.62	-582.15	0.000000	0.00	0.000
14-17-S	100	90	22.62	2520.00	-23.12	-582.15	0.000000	0.00	0.000
14-18-S	100	90	22.62	2520.00	-15.00	-582.15	0.000000	0.00	0.000
14-19-S	100	90	22.62	2520.00	-3.61	-582.15	0.000000	0.00	0.000
15-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
15-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
15-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
15-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
15-5-S	100	90	22.62	2520.00	-76.24	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
15-6-S	100	90	22.62	2520.00	-40.90	-582.15	0.000000	0.00	0.000
15-7-S	100	90	22.62	2520.00	-5.57	-582.15	0.000000	0.00	0.000
15-8-S	100	90	22.62	2520.00	18.22	-582.15	0.000000	0.00	0.000
15-9-S	100	90	22.62	2520.00	40.26	-582.15	0.000000	0.00	0.000
15-10-S	100	90	22.62	2520.00	51.83	-582.15	0.000000	0.00	0.000
15-11-S	100	90	22.62	2520.00	59.67	582.15	0.000000	0.00	0.000
15-12-S	100	90	22.62	2520.00	60.83	582.15	0.000000	0.00	0.000
15-13-S	100	90	22.62	2520.00	57.65	582.15	0.000000	0.00	0.000
15-14-S	100	90	22.62	2520.00	50.78	582.15	0.000000	0.00	0.000
15-15-S	100	90	22.62	2520.00	39.84	582.15	0.000000	0.00	0.000
15-16-S	100	90	22.62	2520.00	28.53	582.15	0.000000	0.00	0.000
15-17-S	100	90	22.62	2520.00	16.50	582.15	0.000000	0.00	0.000
15-18-S	100	90	22.62	2520.00	8.50	582.15	0.000000	0.00	0.000
15-19-S	100	90	22.62	2520.00	2.46	582.15	0.000000	0.00	0.000
16-1-S	100	90	27.14	2520.00	0.01	-598.17	0.000000	0.00	0.000
16-2-S	100	90	27.14	2520.00	-1.15	-598.17	0.000000	0.00	0.000
16-3-S	100	90	27.14	2520.00	-2.30	-598.17	0.000000	0.00	0.000
16-4-S	100	90	27.14	2520.00	-3.45	-598.17	0.000000	0.00	0.000
16-5-S	100	90	27.14	2520.00	-75.20	-598.17	0.000000	0.00	0.000
16-6-S	100	90	27.14	2520.00	-39.68	-598.17	0.000000	0.00	0.000
16-7-S	100	90	27.14	2520.00	-4.17	-598.17	0.000000	0.00	0.000
16-8-S	100	90	27.14	2520.00	21.07	-598.17	0.000000	0.00	0.000
16-9-S	100	90	27.14	2520.00	44.76	-598.17	0.000000	0.00	0.000
16-10-S	100	90	27.14	2520.00	60.06	-598.17	0.000000	0.00	0.000
16-11-S	100	90	27.14	2520.00	72.38	598.17	0.000000	0.00	0.000
16-12-S	100	90	27.14	2520.00	76.84	598.17	0.000000	0.00	0.000
16-13-S	100	90	27.14	2520.00	76.18	598.17	0.000000	0.00	0.000
16-14-S	100	90	27.14	2520.00	56.83	-598.17	0.000000	0.00	0.000
16-15-S	100	90	27.14	2520.00	21.41	-598.17	0.000000	0.00	0.000
16-16-S	100	90	27.14	2520.00	-25.72	-598.17	0.000000	0.00	0.000
16-17-S	100	90	27.14	2520.00	-23.07	-598.17	0.000000	0.00	0.000
16-18-S	100	90	27.14	2520.00	-14.96	-598.17	0.000000	0.00	0.000
16-19-S	100	90	27.14	2520.00	-3.47	-598.17	0.000000	0.00	0.000
17-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
17-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
17-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
17-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
17-5-S	100	90	22.62	2520.00	-75.20	-582.15	0.000000	0.00	0.000
17-6-S	100	90	22.62	2520.00	-39.68	-582.15	0.000000	0.00	0.000
17-7-S	100	90	22.62	2520.00	-4.17	-582.15	0.000000	0.00	0.000
17-8-S	100	90	22.62	2520.00	21.07	-582.15	0.000000	0.00	0.000
17-9-S	100	90	22.62	2520.00	44.76	-582.15	0.000000	0.00	0.000
17-10-S	100	90	22.62	2520.00	60.06	-582.15	0.000000	0.00	0.000
17-11-S	100	90	22.62	2520.00	72.38	582.15	0.000000	0.00	0.000
17-12-S	100	90	22.62	2520.00	76.84	582.15	0.000000	0.00	0.000
17-13-S	100	90	22.62	2520.00	76.18	582.15	0.000000	0.00	0.000
17-14-S	100	90	22.62	2520.00	56.83	-582.15	0.000000	0.00	0.000
17-15-S	100	90	22.62	2520.00	21.41	-582.15	0.000000	0.00	0.000
17-16-S	100	90	22.62	2520.00	-25.72	-582.15	0.000000	0.00	0.000
17-17-S	100	90	22.62	2520.00	-23.07	-582.15	0.000000	0.00	0.000
17-18-S	100	90	22.62	2520.00	-14.96	-582.15	0.000000	0.00	0.000
17-19-S	100	90	22.62	2520.00	-3.47	-582.15	0.000000	0.00	0.000
18-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
18-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
18-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
18-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
18-5-S	100	90	22.62	2520.00	-76.24	-582.15	0.000000	0.00	0.000
18-6-S	100	90	22.62	2520.00	-40.90	-582.15	0.000000	0.00	0.000
18-7-S	100	90	22.62	2520.00	-5.57	-582.15	0.000000	0.00	0.000
18-8-S	100	90	22.62	2520.00	18.22	-582.15	0.000000	0.00	0.000
18-9-S	100	90	22.62	2520.00	40.26	-582.15	0.000000	0.00	0.000
18-10-S	100	90	22.62	2520.00	51.83	-582.15	0.000000	0.00	0.000
18-11-S	100	90	22.62	2520.00	59.67	582.15	0.000000	0.00	0.000
18-12-S	100	90	22.62	2520.00	60.83	582.15	0.000000	0.00	0.000
18-13-S	100	90	22.62	2520.00	57.65	582.15	0.000000	0.00	0.000
18-14-S	100	90	22.62	2520.00	50.78	582.15	0.000000	0.00	0.000
18-15-S	100	90	22.62	2520.00	39.84	582.15	0.000000	0.00	0.000
18-16-S	100	90	22.62	2520.00	28.53	582.15	0.000000	0.00	0.000
18-17-S	100	90	22.62	2520.00	16.50	582.15	0.000000	0.00	0.000
18-18-S	100	90	22.62	2520.00	8.50	582.15	0.000000	0.00	0.000
18-19-S	100	90	22.62	2520.00	2.46	582.15	0.000000	0.00	0.000
19-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
19-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
19-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
19-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
19-5-S	100	90	22.62	2520.00	-73.35	-582.15	0.000000	0.00	0.000
19-6-S	100	90	22.62	2520.00	-37.82	-582.15	0.000000	0.00	0.000
19-7-S	100	90	22.62	2520.00	-2.39	-582.15	0.000000	0.00	0.000
19-8-S	100	90	22.62	2520.00	22.89	-582.15	0.000000	0.00	0.000
19-9-S	100	90	22.62	2520.00	46.50	-582.15	0.000000	0.00	0.000
19-10-S	100	90	22.62	2520.00	61.67	-582.15	0.000000	0.00	0.000
19-11-S	100	90	22.62	2520.00	73.85	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
19-12-S	100	90	22.62	2520.00	78.15	582.15	0.000000	0.00	0.000
19-13-S	100	90	22.62	2520.00	77.29	582.15	0.000000	0.00	0.000
19-14-S	100	90	22.62	2520.00	57.78	-582.15	0.000000	0.00	0.000
19-15-S	100	90	22.62	2520.00	22.16	-582.15	0.000000	0.00	0.000
19-16-S	100	90	22.62	2520.00	-25.62	-582.15	0.000000	0.00	0.000
19-17-S	100	90	22.62	2520.00	-23.12	-582.15	0.000000	0.00	0.000
19-18-S	100	90	22.62	2520.00	-15.00	-582.15	0.000000	0.00	0.000
19-19-S	100	90	22.62	2520.00	-3.61	-582.15	0.000000	0.00	0.000
20-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
20-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
20-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
20-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
20-5-S	100	90	22.62	2520.00	-70.88	-582.15	0.000000	0.00	0.000
20-6-S	100	90	22.62	2520.00	-35.40	-582.15	0.000000	0.00	0.000
20-7-S	100	90	22.62	2520.00	0.39	-582.15	0.000000	0.00	0.000
20-8-S	100	90	22.62	2520.00	25.13	-582.15	0.000000	0.00	0.000
20-9-S	100	90	22.62	2520.00	48.59	-582.15	0.000000	0.00	0.000
20-10-S	100	90	22.62	2520.00	63.59	-582.15	0.000000	0.00	0.000
20-11-S	100	90	22.62	2520.00	75.56	582.15	0.000000	0.00	0.000
20-12-S	100	90	22.62	2520.00	79.64	582.15	0.000000	0.00	0.000
20-13-S	100	90	22.62	2520.00	78.55	582.15	0.000000	0.00	0.000
20-14-S	100	90	22.62	2520.00	58.71	582.15	0.000000	0.00	0.000
20-15-S	100	90	22.62	2520.00	22.13	-582.15	0.000000	0.00	0.000
20-16-S	100	90	22.62	2520.00	-24.98	-582.15	0.000000	0.00	0.000
20-17-S	100	90	22.62	2520.00	-22.62	-582.15	0.000000	0.00	0.000
20-18-S	100	90	22.62	2520.00	-14.63	-582.15	0.000000	0.00	0.000
20-19-S	100	90	22.62	2520.00	-3.11	-582.15	0.000000	0.00	0.000
21-1-S	100	90	22.62	2520.00	-0.02	-582.15	0.000000	0.00	0.000
21-2-S	100	90	22.62	2520.00	-1.12	-582.15	0.000000	0.00	0.000
21-3-S	100	90	22.62	2520.00	-2.23	-582.15	0.000000	0.00	0.000
21-4-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
21-5-S	100	90	22.62	2520.00	-68.15	-582.15	0.000000	0.00	0.000
21-6-S	100	90	22.62	2520.00	-33.06	-582.15	0.000000	0.00	0.000
21-7-S	100	90	22.62	2520.00	2.23	-582.15	0.000000	0.00	0.000
21-8-S	100	90	22.62	2520.00	25.35	-582.15	0.000000	0.00	0.000
21-9-S	100	90	22.62	2520.00	46.88	-582.15	0.000000	0.00	0.000
21-10-S	100	90	22.62	2520.00	57.82	-582.15	0.000000	0.00	0.000
21-11-S	100	90	22.62	2520.00	64.99	582.15	0.000000	0.00	0.000
21-12-S	100	90	22.62	2520.00	65.44	582.15	0.000000	0.00	0.000
21-13-S	100	90	22.62	2520.00	61.50	582.15	0.000000	0.00	0.000
21-14-S	100	90	22.62	2520.00	53.89	582.15	0.000000	0.00	0.000
21-15-S	100	90	22.62	2520.00	42.21	582.15	0.000000	0.00	0.000
21-16-S	100	90	22.62	2520.00	30.18	582.15	0.000000	0.00	0.000
21-17-S	100	90	22.62	2520.00	17.49	582.15	0.000000	0.00	0.000
21-18-S	100	90	22.62	2520.00	9.04	582.15	0.000000	0.00	0.000
21-19-S	100	90	22.62	2520.00	2.68	582.15	0.000000	0.00	0.000
22-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
22-2-S	100	90	22.62	2520.00	-1.15	-582.15	0.000000	0.00	0.000
22-3-S	100	90	22.62	2520.00	-2.30	-582.15	0.000000	0.00	0.000
22-4-S	100	90	22.62	2520.00	-3.45	-582.15	0.000000	0.00	0.000
22-5-S	100	90	22.62	2520.00	-59.39	-582.15	0.000000	0.00	0.000
22-6-S	100	90	22.62	2520.00	-24.62	-582.15	0.000000	0.00	0.000
22-7-S	100	90	22.62	2520.00	10.15	-582.15	0.000000	0.00	0.000
22-8-S	100	90	22.62	2520.00	34.29	-582.15	0.000000	0.00	0.000
22-9-S	100	90	22.62	2520.00	56.83	-582.15	0.000000	0.00	0.000
22-10-S	100	90	22.62	2520.00	70.84	-582.15	0.000000	0.00	0.000
22-11-S	100	90	22.62	2520.00	81.82	582.15	0.000000	0.00	0.000
22-12-S	100	90	22.62	2520.00	84.92	582.15	0.000000	0.00	0.000
22-13-S	100	90	22.62	2520.00	82.85	582.15	0.000000	0.00	0.000
22-14-S	100	90	22.62	2520.00	62.18	-582.15	0.000000	0.00	0.000
22-15-S	100	90	22.62	2520.00	25.40	-582.15	0.000000	0.00	0.000
22-16-S	100	90	22.62	2520.00	-24.93	-582.15	0.000000	0.00	0.000
22-17-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
22-18-S	100	90	22.62	2520.00	-14.98	-582.15	0.000000	0.00	0.000
22-19-S	100	90	22.62	2520.00	-3.95	-582.15	0.000000	0.00	0.000
23-1-S	100	90	22.62	2520.00	0.03	-582.15	0.000000	0.00	0.000
23-2-S	100	90	22.62	2520.00	-1.06	-582.15	0.000000	0.00	0.000
23-3-S	100	90	22.62	2520.00	-2.16	-582.15	0.000000	0.00	0.000
23-4-S	100	90	22.62	2520.00	-3.26	-582.15	0.000000	0.00	0.000
23-5-S	100	90	22.62	2520.00	-48.19	-582.15	0.000000	0.00	0.000
23-6-S	100	90	22.62	2520.00	-14.56	-582.15	0.000000	0.00	0.000
23-7-S	100	90	22.62	2520.00	19.07	-582.15	0.000000	0.00	0.000
23-8-S	100	90	22.62	2520.00	42.09	-582.15	0.000000	0.00	0.000
23-9-S	100	90	22.62	2520.00	63.51	-582.15	0.000000	0.00	0.000
23-10-S	100	90	22.62	2520.00	76.49	582.15	0.000000	0.00	0.000
23-11-S	100	90	22.62	2520.00	86.48	582.15	0.000000	0.00	0.000
23-12-S	100	90	22.62	2520.00	88.68	582.15	0.000000	0.00	0.000
23-13-S	100	90	22.62	2520.00	85.79	582.15	0.000000	0.00	0.000
23-14-S	100	90	22.62	2520.00	64.29	582.15	0.000000	0.00	0.000
23-15-S	100	90	22.62	2520.00	24.62	-582.15	0.000000	0.00	0.000
23-16-S	100	90	22.62	2520.00	-22.94	-582.15	0.000000	0.00	0.000
23-17-S	100	90	22.62	2520.00	-21.38	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
23-18-S	100	90	22.62	2520.00	-14.08	-582.15	0.000000	0.00	0.000
23-19-S	100	90	22.62	2520.00	-2.63	-582.15	0.000000	0.00	0.000
24-1-S	100	90	22.62	2520.00	0.01	-582.15	0.000000	0.00	0.000
24-2-S	100	90	22.62	2520.00	-1.10	-582.15	0.000000	0.00	0.000
24-3-S	100	90	22.62	2520.00	-2.20	-582.15	0.000000	0.00	0.000
24-4-S	100	90	22.62	2520.00	-3.31	-582.15	0.000000	0.00	0.000
24-5-S	100	90	22.62	2520.00	-33.77	-582.15	0.000000	0.00	0.000
24-6-S	100	90	22.62	2520.00	-4.62	-582.15	0.000000	0.00	0.000
24-7-S	100	90	22.62	2520.00	28.78	-582.15	0.000000	0.00	0.000
24-8-S	100	90	22.62	2520.00	48.55	-582.15	0.000000	0.00	0.000
24-9-S	100	90	22.62	2520.00	66.58	-582.15	0.000000	0.00	0.000
24-10-S	100	90	22.62	2520.00	74.38	-582.15	0.000000	0.00	0.000
24-11-S	100	90	22.62	2520.00	78.54	582.15	0.000000	0.00	0.000
24-12-S	100	90	22.62	2520.00	76.32	582.15	0.000000	0.00	0.000
24-13-S	100	90	22.62	2520.00	69.95	582.15	0.000000	0.00	0.000
24-14-S	100	90	22.62	2520.00	60.18	582.15	0.000000	0.00	0.000
24-15-S	100	90	22.62	2520.00	46.64	582.15	0.000000	0.00	0.000
24-16-S	100	90	22.62	2520.00	32.95	582.15	0.000000	0.00	0.000
24-17-S	100	90	22.62	2520.00	18.99	582.15	0.000000	0.00	0.000
24-18-S	100	90	22.62	2520.00	9.78	582.15	0.000000	0.00	0.000
24-19-S	100	90	22.62	2520.00	2.89	582.15	0.000000	0.00	0.000
25-1-S	100	90	22.62	2520.00	0.04	-582.15	0.000000	0.00	0.000
25-2-S	100	90	22.62	2520.00	-1.07	-582.15	0.000000	0.00	0.000
25-3-S	100	90	22.62	2520.00	-2.17	-582.15	0.000000	0.00	0.000
25-4-S	100	90	22.62	2520.00	-3.28	-582.15	0.000000	0.00	0.000
25-5-S	100	90	22.62	2520.00	-13.14	-582.15	0.000000	0.00	0.000
25-6-S	100	90	22.62	2520.00	15.23	-582.15	0.000000	0.00	0.000
25-7-S	100	90	22.62	2520.00	43.40	-582.15	0.000000	0.00	0.000
25-8-S	100	90	22.62	2520.00	62.41	-582.15	0.000000	0.00	0.000
25-9-S	100	90	22.62	2520.00	80.01	-582.15	0.000000	0.00	0.000
25-10-S	100	90	22.62	2520.00	89.83	-582.15	0.000000	0.00	0.000
25-11-S	100	90	22.62	2520.00	96.86	582.15	0.000000	0.00	0.000
25-12-S	100	90	22.62	2520.00	96.85	582.15	0.000000	0.00	0.000
25-13-S	100	90	22.62	2520.00	92.36	-582.15	0.000000	0.00	0.000
25-14-S	100	90	22.62	2520.00	69.83	-582.15	0.000000	0.00	0.000
25-15-S	100	90	22.62	2520.00	30.34	-582.15	0.000000	0.00	0.000
25-16-S	100	90	22.62	2520.00	-26.71	-582.15	0.000000	0.00	0.000
25-17-S	100	90	22.62	2520.00	-24.96	-582.15	0.000000	0.00	0.000
25-18-S	100	90	22.62	2520.00	-16.68	-582.15	0.000000	0.00	0.000
25-19-S	100	90	22.62	2520.00	-5.76	-582.15	0.000000	0.00	0.000
26-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
26-2-S	100	90	22.62	2520.00	-1.14	-582.15	0.000000	0.00	0.000
26-3-S	100	90	22.62	2520.00	-2.31	-582.15	0.000000	0.00	0.000
26-4-S	100	90	22.62	2520.00	-3.48	-582.15	0.000000	0.00	0.000
26-5-S	100	90	22.62	2520.00	-2.51	-582.15	0.000000	0.00	0.000
26-6-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
26-7-S	100	90	22.62	2520.00	52.88	-582.15	0.000000	0.00	0.000
26-8-S	100	90	22.62	2520.00	71.38	-582.15	0.000000	0.00	0.000
26-9-S	100	90	22.62	2520.00	88.53	-582.15	0.000000	0.00	0.000
26-10-S	100	90	22.62	2520.00	97.01	-582.15	0.000000	0.00	0.000
26-11-S	100	90	22.62	2520.00	102.34	-582.15	0.000000	0.00	0.000
26-12-S	100	90	22.62	2520.00	99.94	-582.15	0.000000	0.00	0.000
26-13-S	100	90	22.62	2520.00	92.54	-582.15	0.000000	0.00	0.000
26-14-S	100	90	22.62	2520.00	67.75	-582.15	0.000000	0.00	0.000
26-15-S	100	90	22.62	2520.00	25.54	-582.15	0.000000	0.00	0.000
26-16-S	100	90	22.62	2520.00	-21.49	-582.15	0.000000	0.00	0.000
26-17-S	100	90	22.62	2520.00	-20.52	-582.15	0.000000	0.00	0.000
26-18-S	100	90	22.62	2520.00	-13.05	-582.15	0.000000	0.00	0.000
26-19-S	100	90	22.62	2520.00	-2.53	-582.15	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=0.300$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	w _m [mm]
1	1	22.62	600.40	269.12	-273.04	436.03	0.000000	0.00	0.00
2	1	19.01	504.12	301.49	-273.04	890.61	0.000000	0.00	0.00

RELAZIONE DI CALCOLO

Elenco ferri

Simbologia adottata

n°	Indice del ferro
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
Pferro	Peso ferro espresso in [kN]

Paramento

n°	Tipo	nf	D [mm]	L [m]	Pr [kN]	P _{gf} [kN]	V _{cis} [mc]
1	Diritto inferiore	4	24.00	2.95	0.1028	0.4112	
2	Diritto superiore	5	24.00	2.95	0.1029	0.5145	
3	Diritto superiore	5	24.00	5.00	0.1740	0.8700	
4	Diritto inferiore	4	24.00	4.99	0.1737	0.6949	
5	Ripartitore	32	12.00	1.00	0.0087	0.2786	
6	Gancio	80	12.00	0.21	0.0018	0.1455	
	Totale al metro					2.9148	1.85
	Totale					58.2952	36.94

Piastra fondazione

n°	Tipo	nf	D [mm]	L [m]	Pr [kN]	P _{gf} [kN]	V _{cis} [mc]
1	Diritto superiore Orizzontale [M]	22	24.00	4.50	0.1567	3.4478	
2	Diritto superiore Orizzontale [M]	22	24.00	10.00	0.3483	7.6618	
3	Diritto superiore Orizzontale [M]	22	24.00	10.00	0.3483	7.6618	
4	Diritto inferiore Orizzontale [M]	22	24.00	4.50	0.1567	3.4478	
5	Diritto inferiore Orizzontale [M]	22	24.00	10.00	0.3483	7.6618	
6	Diritto inferiore Orizzontale [M]	22	24.00	10.00	0.3483	7.6618	
7	Diritto inferiore Verticale [M]	101	24.00	6.12	0.2132	21.5308	
8	Diritto superiore Verticale [M]	101	24.00	6.12	0.2132	21.5308	
9	Sagomato superiore Verticale	40	24.00	3.67	0.1277	5.1097	
10	Sagomato superiore Verticale	20	24.00	3.67	0.1277	2.5548	
11	Sagomato superiore Verticale	5	24.00	3.10	0.1080	0.5398	
12	Sagomato superiore Verticale	11	24.00	3.51	0.1224	1.3461	
	Totale					90.1548	81.02

Pali

Pali in c.a. (singolo palo della fila)

Simbologia adottata

n°	Indice della fila
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
Pferro	Peso ferro espresso in [kN]
V _{cis}	Volume calcestruzzo/malta espresso in [mc]

n°	Tipo ferro	nf	D [mm]	L [m]	P _{ferro} [kN]	V _{cis} [mc]
1	Ferri longitudinali	24	24.00	30.72	1.0699	
	Staffe/Spirale	1	10.00	687.89	4.1592	15.08
	Totale (7 pali)				208.8523	105.56
2	Ferri longitudinali	28	22.00	30.66	0.8972	
	Staffe/Spirale	1	12.00	687.93	5.9896	15.08
	Totale (7 pali)				217.7843	105.56