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COMUNE DI MILANO
Provincia di Milano

PROGETTO DEFINITIVO E PROGETTO DELLA SICUREZZA PER I LAVORI DI RIFACIMENTO DELLA COPERTURA E L'AUMENTO DI CAPIENZA DEL PALALIDO DI MILANO

COMMITTENTE:
MILANO SPORT

PROGETTO DEFINITIVO STRUTTURALE

STATO DI PROGETTO RELAZIONE DI CALCOLO OPERE IN C.A.

RS01

MARZO 2011

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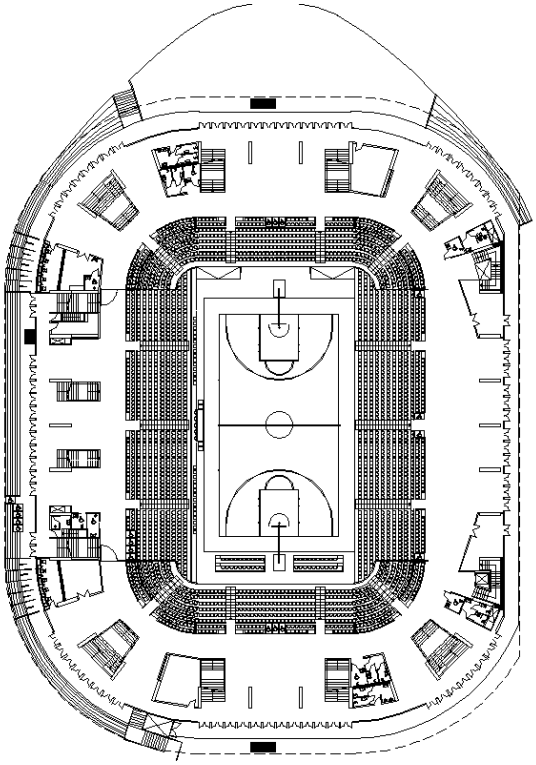
TESTATINA.DWG

INDICE

1 DESCRIZIONE GENERALE DELL'OPERA E CRITERI GENERALI DI ANALISI E VERIFICA

La presente relazione di calcolo si riferisce alle strutture in cemento armato di nuova realizzazione previste nel Palalido di Milano.

Il nuovo palazzetto presenta una configurazione planimetrica approssimativamente simmetrica nelle due direzioni principali, come si può vedere nelle figure allegate.



La nuova struttura non sarà collegata alla struttura esistente.

La copertura è costituita da una struttura reticolare spaziale in acciaio, avente come punti di appoggio i setti reggi-gradoni.

I setti reggi-gradoni sono disposti a interasse costante lungo i tratti rettilinei e presentano uno spessore di 400mm.

Sono previsti 2 livelli di impalcati su tutto la costruzione, rispettivamente a quota +1.02m e +4.17m, e un impalcato a quota +6.17m sulla porzione compresa fra i picchetti 16 e 24.

Le fondazioni saranno costituite da una platea a spessore variabile, pari a 1.00m per una fascia di 2.50m al di sotto dei setti porta-gradoni e di spessore 0.40m nelle restanti zone.

I gradoni saranno realizzati con travi prefabbricate con sezione a L, vincolate sul setto mediante appositi dispositivi di fissaggio.

La trasmissione delle spinte orizzontali della copertura alla sottostante struttura in cemento armato sarà garantita da apposita trave di correa, costituita da un tubo in acciaio continuo su tutto il perimetro del palazzetto e collegante tutti i setti.

Dallo spiccato di fondazione e fino alla quota del secondo impalcato a quota +4.17m sono stati inseriti dei

setti da 400mm per offrire adeguata resistenza alle azioni sismiche.

Gli orizzontamenti, aventi orditura perpendicolare ai setti, saranno realizzati con solai tipo predalles di spessore H=240mm.

2 NORMATIVA E RIFERIMENTI TECNICI

Il dimensionamento delle strutture è stato svolto secondo le regole della Scienza e della Tecnica delle Costruzioni; l'analisi è stata svolta secondo la teoria degli Stati Limite, effettuando le verifiche in accordo con le seguenti normative:

- **D.P.R. 6 giugno 2001, n. 380:** *Testo unico delle disposizioni legislative e regolamentari in materia edilizia*
- **D. Min. 14 gennaio 2008:** *Norme tecniche per le costruzioni*
- **Circolare n. 617 del Consiglio Superiore dei Lavori Pubblici:** *Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. 14 gennaio 2008*
- **UNI-EN 206-1:2006 -** *Calcestruzzo - Parte 1: Specificazione, prestazione, produzione e conformità*
- **UNI-EN 1992-1-1:2005 - Eurocodice 2:** *Progettazione delle strutture in calcestruzzo. Parte 1-1: Regole generali e regole per gli edifici*
- **UNI-EN 1993-1-1:2005 - Eurocodice 3:** *Progettazione delle strutture in acciaio. Parte 1-1: Regole generali e regole per gli edifici*
- **UNI-EN 1997-1:2005 - Eurocodice 7:** *Progettazione geotecnica. Parte 1: Regole generali*
- **UNI-EN 1998-1-2:2005 - Eurocodice 8:** *Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici*
- **Presidenza del Consiglio superiore dei LL.PP – Servizio Tecnico Centrale:** *Linee guida per la messa in opera del calcestruzzo strutturale e per la valutazione delle caratteristiche meccaniche del calcestruzzo indurito mediante prove non distruttive, Edizione Febbraio 2008*

3 MATERIALI UTILIZZATI

La capacità resistente delle sezioni in acciaio è determinata secondo il Metodo Elasto-Plastico.

Per la valutazione della resistenza ultima delle sezioni in c.c.a. nei confronti di sforzo normale e flessione, si adotteranno le seguenti ipotesi:

- conservazione delle sezioni piane;
- perfetta aderenza tra acciaio e calcestruzzo;
- resistenza a trazione del calcestruzzo nulla;
- rottura del calcestruzzo determinata dal raggiungimento della sua capacità deformativa ultima a compressione;
- rottura dell'armatura tesa determinata dal raggiungimento della sua capacità deformativa ultima.

Le tensioni nel calcestruzzo e nell'armatura si deducono in accordo ai rispettivi diagrammi tensione-deformazione di cui al punto 4.1.2.1.2.2 e al punto 4.1.2.2.2..3 del DM2008.

Per l'acciaio si utilizza il legame elastico infinitamente plastico.

La classe di esposizione delle strutture in c.c.a. è stata assegnata coerentemente alla norma UNI-EN 206-1.

Strutture in acciaio da carpenteria

Tipologia laminati: Laminati a caldo con profili a sezione cava

Spessore nominale dell'elemento: t ≤ 40mm

Classe acciaio	f_{tk} [MPa]	E_s [MPa]	ν	G_s [MPa]	f_{yk} [MPa]	γ_{M0}	γ_{M1}	γ_{M2}	β_1	β_2
S 275 H - UNI EN 10210-1	430	210'000	0.30	80'769	275	1.05	1.05	1.25	0.70	0.85

Strutture in cemento armato in fondazione

Produzione calcestruzzo: Ordinaria

Valore di f_{bd} riferito a barre Φ ≤ 32mm

Classe calcestruzzo	f_{ck} [MPa]	α_{cc}	γ_{cls}	f_{cm} [MPa]	E_{cm} [MPa]	f_{cd} [MPa]	f_{ctm} [MPa]	f_{ctk} [MPa]	f_{ctd} [MPa]	f_{cfm} [MPa]	f_{bk} [MPa]	f_{bd} [MPa]	ε_{c2}	ε_{cu}	$\sigma_{c,Rara}$ [MPa]	$\sigma_{c,QP}$ [MPa]
C25/30	25.00	0.85	1.50	33.00	31'476	14.17	2.57	1.80	1.20	3.08	4.04	2.70	0.00200	0.00350	15.00	11.25

Calcestruzzo a prestazione garantita secondo UNI EN 206-1

- Cemento conforme alla norma EN 197-1
- Aggregati normali conformi alla norma UNI EN 12620, D_{max} = 20 mm
- Acqua di impasto conforme alla norma EN 1008
- Additivi conformi alla norma EN 934-2

Classe esposizione	Minima classe di resistenza	Rapporto $(A/C)_{max}$	Slump	Quantità minima cemento [kg/m^3]	Contenuto minimo aria	Altro
XC2	C25/30	0.60	S4	300	-	-

Strutture in cemento armato in elevazione

Produzione calcestruzzo: Ordinaria

Valore di f_{bd} riferito a barre Φ ≤ 32mm

Classe calcestruzzo	f_{ck} [MPa]	α_{cc}	γ_{cls}	f_{cm} [MPa]	E_{cm} [MPa]	f_{cd} [MPa]	f_{ctm} [MPa]	f_{ctk} [MPa]	f_{ctd} [MPa]	f_{cfm} [MPa]	f_{bk} [MPa]	f_{bd} [MPa]	ε_{c2}	ε_{cu}	$\sigma_{c,Rara}$ [MPa]	$\sigma_{c,QP}$ [MPa]
C28/35	28.00	0.85	1.50	36.00	32'308	15.87	2.77	1.94	1.29	3.32	4.36	2.91	0.00200	0.00350	16.80	12.60

Calcestruzzo a prestazione garantita secondo UNI EN 206-1

- Cemento conforme alla norma EN 197-1
- Aggregati normali conformi alla norma UNI EN 12620, D_{max} = 20 mm
- Acqua di impasto conforme alla norma EN 1008
- Additivi conformi alla norma EN 934-2

Classe esposizione	Minima classe di resistenza	$(A/C)_{max}$	Slump	Quantità minima cemento [kg/m^3]	Contenuto minimo aria	Altro
XC3	C28/35	0.55	S4	320	-	-

Acciaio in barre per cemento armato

Classe acciaio	f_{yk}	γ_s	f_{tk}	E_s	f_{yd}	ε_{yd}	ε_{uk}	$(f_y/f_{y,nom})_k$	ε_{ud}	$k = (f_t/f_y)_k$	$\sigma_{s,Rara}$	Diametro minimo mandrino di piegatura	
	[MPa]		[MPa]	[MPa]	[MPa]					[MPa]	[MPa]	Φ≤16mm	Φ>16mm
B450C	450.00	1.15	540.00	210'000	391.30	0.00186	0.07500	≤ 1.25	0.06750	1.15 - 1.35	360.00	4Φ	7Φ

4 ANALISI DEI CARICHI

Il peso proprio degli elementi strutturali viene computato automaticamente dal software, assegnando i seguenti valori di peso specifico, conformi alla Tab.3.1.I del DM2008.

MATERIALI	PESO UNITÀ DI VOLUME [kN/m³]
Calcestruzzi cementizi e malte	
Calcestruzzo armato (e/o precompresso)	25.0
Metalli e leghe	
Acciaio	78.5

I sovraccarichi variabili sulle tribune sono stati dedotti secondo le indicazioni della Tab.3.1.II del DM2008:

Cat.	Ambienti	q_k [kN/m²]	Q_k [kN]	H_k [kN/m]
C	**Ambienti suscettibili di affollamento** Cat. C3 Ambienti privi di ostacoli per il libero movimento delle persone, quali musei, sale per esposizioni, stazioni ferroviarie, sale da ballo, palestre, tribune libere, edifici per eventi pubblici, sale da concerto, palazzeti per lo sport e relative tribune	5.00	5.00	3.00

Tipologia	**Solaio tipo predalles con getto completamento in opera**				
ID	Area di Carico n. 1				
G_{k1} - Carichi permanenti strutturali					
Peso proprio solaio					4.23 kN/m²
G_{k2} - Carichi permanenti non strutturali					
Incidenza tramezzature					1.60 kN/m²
Pavimentazione	s =	20 mm	γ =	20.00 kN/m³	0.40 kN/m²
Sottofondo	s =	50 mm	γ =	8.00 kN/m³	0.40 kN/m²
Intonaco	s =	10 mm	γ =	20.00 kN/m³	0.20 kN/m²
Q_k - Carichi accidentali					
Azione: Cat. C3 Ambienti privi di ostacoli per il libero movimento delle persone, quali musei, sale per esposizioni...					5.00 kN/m²

Tipologia	**Travi prefabbricate a L**				
ID	Area di Carico n. 2				
G_{k1} - Carichi permanenti strutturali					
Peso proprio travi					9.00 kN/m²
Aliquota peso setto a sbalzo (h_{media}=2.00m, s=500mm)					5.00 kN/m²
G_{k2} - Carichi permanenti non strutturali					
Finitura					0.5 kN/m²
Q_k - Carichi accidentali					
Azione: Cat. C3 Ambienti privi di ostacoli per il libero movimento delle persone, quali musei, sale per esposizioni...					5.00 kN/m²

Tipologia	**Solaio tipo predalles con getto completamento in opera**				
ID	Area di Carico n. 3				
G_{k1} - Carichi permanenti strutturali					
Peso proprio solaio					4.23 kN/m²
G_{k2} - Carichi permanenti non strutturali					
Pavimentazione	s =	20 mm	γ =	20.00 kN/m³	0.40 kN/m²
Sottofondo	s =	50 mm	γ =	8.00 kN/m³	0.40 kN/m²
Intonaco	s =	10 mm	γ =	20.00 kN/m³	0.20 kN/m²
Impianti					10.00 kN/m²
Q_k - Carichi accidentali					
Azione: Cat. C3 Ambienti privi di ostacoli per il libero movimento delle persone, quali musei, sale per esposizioni...					5.00 kN/m²

Tipologia	**Solaio tipo predalles con getto completamento in opera**					
ID	Area di Carico n. 4 - Area di Carico n. 5 - Area di Carico n. 6					
G_{k1} - Carichi permanenti strutturali						
Peso proprio solaio						4.23 kN/m^2
G_{k2} - Carichi permanenti non strutturali						
Pavimentazione	s =	20 mm	γ =	20.00 kN/m^3		0.40 kN/m^2
Sottofondo	s =	50 mm	γ =	8.00 kN/m^3		0.40 kN/m^2
Intonaco	s =	10 mm	γ =	20.00 kN/m^3		0.20 kN/m^2
Q_k - Carichi accidentali						
Azione: Cat. C3 Ambienti privi di ostacoli per il libero movimento delle persone, quali musei, sale per esposizioni...						5.00 kN/m^2

5 TERRENO DI FONDAZIONE

La classificazione del terreno è stata effettuata secondo la Tab.3.2.II del DM 2008.

Ai fini della definizione dell'azione sismica di progetto, il terreno di fondazione appartiene alla seguente **Categoria C**.

Il sito su cui sorgerà l'opera presenta un andamento plano-altimetrico sub-pianeggiante, appartenente quindi alla **Categoria T1** della Tab.3.2.4.del DM2008. Il coefficiente di amplificazione topografica S_T viene invece determinato secondo le indicazioni della Tab.3.2.VI del DM2008 e vale quindi $\mathbf{S_T=1.0}$.

Nella modellazione dell'interazione struttura-terreno si è ritenuta valida la teoria di Winkler, assumendo un a costante di sottofondo k=0.01 N/mm^3.

Il carico ultimo sul terreno vale 0.20 MPa.

6 INQUADRAMENTO AMBIENTALE

Gli elementi della struttura portante appartengono ad una classe di Condizione Ambientale "**Ordinaria**". Di conseguenza, il **Gruppo di esigenza** per le verifiche di fessurazione risulta essere "a".

Allo scopo di garantire la necessaria durevolezza dell'opera e soddisfare i requisiti previsti nell'esercizio della stessa, si impiegheranno spessori di copriferro determinati secondo la Circ. n. 617/2009.

Intendendo per copriferro la distanza fra la superficie esterna dell'armatura più prossima alla superficie esterna e la superficie stessa del calcestruzzo ed assumendo come tolleranza di esecuzione Δc_{dev} = 10mm, sulla base del punto C4.1.6.1.3 della Circ. n.617 si ha quanto segue.

Platea di fondazione

Classe calcestruzzo	Classe d'uso costruzione	Controllo qualità	Tolleranza [mm]	Ambiente	Tipo elemento	Copriferro minimo [mm]
C25/30	III	NO	10	Ordinario	Piastra	40

Setti in elevazione

Classe calcestruzzo	Classe d'uso costruzione	Controllo qualità	Tolleranza [mm]	Ambiente	Tipo elemento	Copriferro minimo [mm]
C28/35	III	NO	10	Ordinario	Piastra	40

Pilastri, travi e solai in elevazione

Classe calcestruzzo	Classe d'uso costruzione	Controllo qualità	Tolleranza [mm]	Ambiente	Tipo elemento	Copriferro minimo [mm]
C28/35	III	NO	10	Ordinario	Altri elementi	45

7 INQUADRAMENTO SISMICO

Il sito in cui insiste la struttura ricade nel territorio del Comune di Milano, definito come zona sismica dalle vigenti normative e classificato amministrativamente come **Zona 4**. Le coordinate geografiche del sito sono latitudine 45.4826 longitudine 9.14222.

Sulla base della destinazione d'uso dell'opera e della Tab.2.4.I del DM2008 di seguito riportata, all'opera è assegnata l'appartenenza al gruppo 2, con vita utile **V_N=50anni**.

TIPI DI COSTRUZIONE		Vita Nominale V_N (in anni)
2	Opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale	≥ 50

La classe d'uso viene stabilita secondo il punto 2.4.2 del DM2008.

Classe	Descrizione
III	Costruzioni il cui uso preveda affollamenti significativi. Industrie con attività pericolose per l'ambiente. Reti viarie extraurbane non ricadenti in Classe d'uso IV. Ponti e reti ferroviarie la cui interruzione provochi situazioni di emergenza. Dighe rilevanti per le conseguenze di un loro eventuale collasso

Il coefficiente d'uso vale quindi, secondo la Tab.2.4.II del DM2008 di seguito riportata, **C_U=1.5**

CLASSE D'USO	I	II	III	IV
COEFFICIENTE C_U	0.7	1.0	1.5	2.0

Il periodo di riferimento per la valutazione dell'azione sismica vale quindi

$V_R = V_N \times C_U = 50 \times 1.5 = 75$ anni

Il calcolo della struttura viene svolto secondo le regole previste dalla normativa per la Classe di Duttilità Bassa (**CD "B"**).

La tipologia del sistema resistente è **struttura a pareti non accoppiate**.

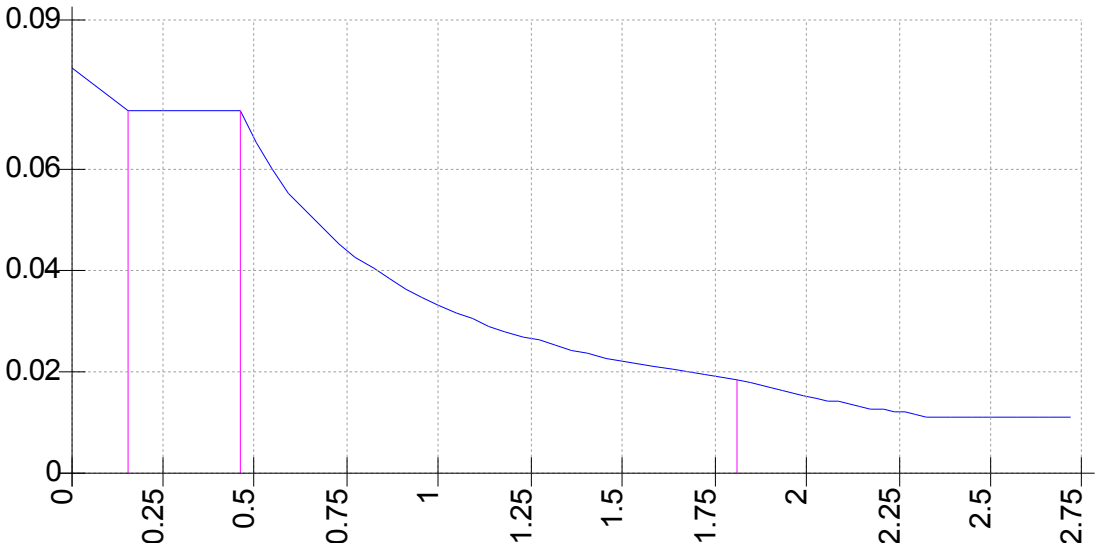
Il valore del fattore **q_0** viene desunto dalla Tabella 7.4.I del DM2008.

Tipologia	q_0	
	CD "B"	CD "A"
Strutture a pareti non accoppiate	3.0	$4.0\alpha_u/\alpha_1$

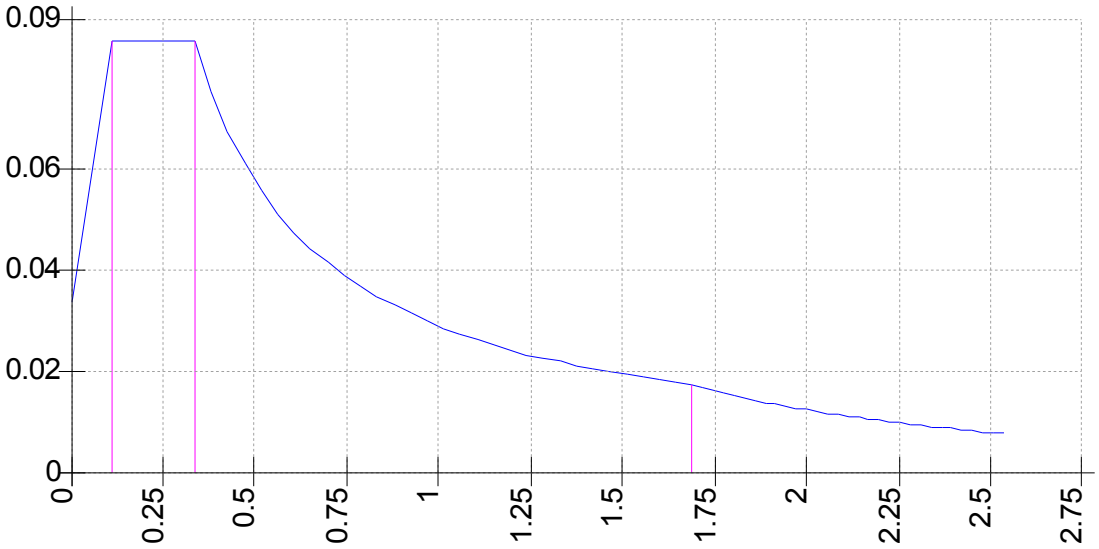
Il fattore di struttura per il sisma orizzontale vale quindi **q=3.00**.

Il fattore di struttura per il sisma verticale vale **q=1.5**.

Il coefficiente di smorzamento viscoso equivalente si è assunto pari a **ξ=5%**.



Spettro SLV orizzontale



Spettro SLO orizzonttale

8 CONDIZIONI E COMBINAZIONI DI CARICO

Nel seguito vengono riportate le condizioni di carico statiche e dinamiche analizzate. Per quanto riguarda le combinazioni di carico dinamiche, ogni direzione di ingresso del sisma definita dal progettista, viene assimilata ad una condizione di carico. Le condizioni di carico relative al sisma sono indicate tramite la direzione orientata dell'angolo di ingresso.

Le combinazioni di carico analizzate sono state determinate in accordo al punto 2.5.3 del DM2008, utilizzando i coefficienti di combinazione di cui alla Tab.2.5.I.

Categoria/Azione variabile	ψ_{0j}	ψ_{1j}	ψ_{2j}
Categoria C Ambienti suscettibili di affollamento	0.7	0.7	0.6
Vento	0.6	0.2	0.0
Neve (a quota ≤ 1000 m s.l.m.)	0.5	0.2	0.0
Variazioni termiche	0.6	0.5	0.0

Le masse concorrenti alla determinazione dell'azione sismica sono state valutate secondo quanto indicato al pt.3.2.4 del DM2008:

$G_1 + G_2 + \Sigma_j \psi_{2j} Q_{kj}$

Le combinazioni S.L.U. utilizzate indagano gli stati limite:

- di resistenza della struttura compresi gli elementi di fondazione: **STR**
- di resistenza del terreno: **GEO**

Sulla base della Tab.4.1.IV del DM2008, gli stati limite di fessurazione da verificare risultano essere quelli di apertura delle fessure.

Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_d	Stato limite	w_d
a	Ordinarie	frequente	ap. fessure	≤ w_2	ap. fessure	≤ w_3
		quasi permanente	ap. fessure	≤ w_2	ap. fessure	≤ w_2

I limiti di fessurazione assunti, coerentemente a quanto previsto al pt.4.1.2.2.4.1, risultano:

w_2 = 0.3mm

w_3 = 0.4mm

La verifica a fessurazione viene condotta in maniera semplificata per i pilastri, garantendo il rispetto dei limiti tensionali e di interferro riportati nelle Tabelle C4.1.II e C4.1.III della Circ. n.617.

La verifica dello S.L.E. delle tensioni è stato condotto verificando che risulti:

Combinazione	σ_c	σ_s
Rara	$0.60f_{ck}$	$0.80f_{yk}$
Quasi Permanente	$0.45f_{ck}$	-

Si ritiene possibile effettuare un'unica verifica indipendente dal tempo, assumendo un coefficiente di omogeneizzazione n fra i moduli di elasticità di acciaio e calcestruzzo pari a 15.

Le verifiche per gli S.L. di tipo **GEO** sono state condotte secondo l'Approccio 2, utilizzando i coefficienti di cui alle Tabelle 6.2.I, 6.2.II e 6.4.I del DM2008, di seguito riportate.

CARICHI	EFFETTO	Coefficiente Parziale γ_F (o γ_E)	EQU	(A1) STR	(A2) EQU
Permanenti	Favorevole	γ_{G1}	0.9	1.0	1.0
	Sfavorevole		1.1	1.3	1.0
Permanenti non strutturali	Favorevole	γ_{G2}	0.0	0.0	0.0
	Sfavorevole		1.5	1.5	1.3
Variabili	Favorevole	γ_{Qi}	0.0	0.0	0.0
	Sfavorevole		1.5	1.5	1.3

PARAMETRO	GRANDEZZA ALLA QUALE APPLICARE IL COEFFICIENTE PARZIALE	COEFFICIENTE PARZIALE γ_M	(M1)	(M2)
Tangente dell'angolo di resistenza al taglio	$tag\ \varphi'_k$	$\gamma_{\varphi'}$	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

VERIFICA	COEFFICIENTE PARZIALE (R1)	COEFFICIENTE PARZIALE (R2)	COEFFICIENTE PARZIALE (R3)
Capacità portante	γ_R=1.0	γ_R=1.8	γ_R=2.3
Scorrimento	γ_R=1.0	γ_R=1.1	γ_R=1.1

Tale approccio prevede la verifica per la combinazione di coefficienti A1-M1-R3. Nelle combinazioni sismiche, secondo il punto 7.11.1 del DM2008, i coefficienti parziali sulle azioni sono assunti unitari.

Nel caso in esame le combinazioni di verifica **GEO** coincidono con le combinazioni **SLU** e **SLV** definite per le verifiche di tipo **STR**.

Per l'opera in progetto non viene condotta la verifica di scorrimento.

Condizioni di carico definite:

- Gk1-Peso proprio copertura +20%
- Gk2-Perm. Portati strutt.
- Gk2-Perm. Portati non strutt.
- Qk-NeveZ1
- Qk-NeveZ2
- Qk-NeveZ3
- Qk-NeveZ4
- Qk-Vento_n_X+
- Qk-Vento_n_X-
- Qk-Vento_n_Y+
- Qk-Vento_n_Y-
- Qk-Vento_t_X+
- Qk-Vento_t_X-
- Qk-Vento_n_Y+
- Qk-Vento_n_Y-

- Qk-Vento_cpi+
- Qk-Vento_cpi-
- Qk-DT+
- Qk-DT-
- Qk-Sisma Cop. X+
- Qk-Sisma Cop. Y+
- Qk-Sisma Cop. Z-
- Gk1-Peso proprio CA
- Gk2-Permanenti portati CA
- Qk-Tribune CA

Combinazioni agli Stati Limite Ultimi

Combinazione di carico numero	
1	SLU-Qk-NeveZ1
2	SLU-Qk-NeveZ2
3	SLU-Qk-NeveZ3
4	SLU-Qk-NeveZ4
5	SLU-Qk-Vento_n_X+
6	SLU-Qk-Vento_n_X-
7	SLU-Qk-Vento_n_Y+
8	SLU-Qk-Vento_n_Y-
9	SLU-Qk-Vento_t_X+
10	SLU-Qk-Vento_t_X-
11	SLU-Qk-Vento_n_Y+
12	SLU-Qk-Vento_n_Y-
13	SLU-Qk-Vento_cpi+
14	SLU-Qk-Vento_cpi-
15	SLU-Qk-DT+
16	SLU-Qk-DT-
17	SLU-Qk-Tribune CA

Comb. \Cond	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	23
1	1.30	1.30	1.30	1.50	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.9	1.30
2	1.30	1.30	1.30	0.75	1.50	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
3	1.30	1.30	1.30	0.75	0.75	1.50	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
4	1.30	1.30	1.30	0.75	0.75	0.75	1.50	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
5	1.30	1.30	1.30	0.75	0.75	0.75	0.75	1.50	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
6	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	1.50	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
7	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	1.50	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
8	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	1.50	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
9	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	1.50	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.30
10	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	1.50	0.90	0.90	0.90	0.90	0.90	0.90	1.30
11	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	1.50	0.90	0.90	0.90	0.90	0.90	1.30
12	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.50	0.90	0.90	0.90	0.90	1.30
13	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.50	0.90	0.90	0.90	1.30
14	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.50	0.90	0.90	1.30
15	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.50	0.90	1.30
16	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.50	1.30
17	1.30	1.30	1.30	0.75	0.75	0.75	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.3

Combinazioni agli Stati Limite di Salvaguardia della Vita

Combinazione di carico numero	
18	Sisma 0 / 90
19	Sisma 0 / 270
20	Sisma 90 / 0
21	Sisma 90 / 180
22	Sisma 180 / 90
23	Sisma 180 / 270
24	Sisma 270 / 0
25	Sisma 270 / 180

Comb.\Cond	1	2	3	20	21	22	23	24	25	26	27	28	29
18	1.00	1.00	1.00	1.00	0.30	0.30	1.00	1.00	0.60	1.00	0.30	0.00	0.00
19	1.00	1.00	1.00	1.00	-0.30	0.30	1.00	1.00	0.60	1.00	0.00	0.00	0.30
20	1.00	1.00	1.00	0.30	1.00	0.30	1.00	1.00	0.60	0.30	1.00	0.00	0.00
21	1.00	1.00	1.00	-0.30	1.00	0.30	1.00	1.00	0.60	0.00	1.00	0.30	0.00
22	1.00	1.00	1.00	-1.00	-0.30	0.30	1.00	1.00	0.60	0.00	0.30	1.00	0.00

23	1.00	1.00	1.00	-1.00	0.30	0.30	1.00	1.00	0.60	0.00	0.00	1.00	0.30
24	1.00	1.00	1.00	-0.30	-1.00	0.30	1.00	1.00	0.60	0.30	0.00	0.00	1.00
25	1.00	1.00	1.00	0.30	-1.00	0.30	1.00	1.00	0.60	0.00	0.00	0.30	1.00

Combinazioni RARE Stati Limite di Esercizio

Combinazione di carico numero	
26	SLE-R-Qk-NeveZ1
27	SLE-R-Qk-NeveZ2
28	SLE-R-Qk-NeveZ3
29	SLE-R-Qk-NeveZ4
30	SLE-R-Qk-Vento_n_X+
31	SLE-R-Qk-Vento_n_X-
32	SLE-R-Qk-Vento_n_Y+
33	SLE-R-Qk-Vento_n_Y-
34	SLE-R-Qk-Vento_t_X+
35	SLE-R-Qk-Vento_t_X-
36	SLE-R-Qk-Vento_n_Y+
37	SLE-R-Qk-Vento_n_Y-
38	SLE-R-Qk-Vento_cpi+
39	SLE-R-Qk-Vento_cpi-
40	SLE-R-Qk-DT+
41	SLE-R-Qk-DT-
42	SLE-R-Qk-Tribune CA

Comb.\Cond	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	23	24	25
26	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
27	1.00	1.00	1.00	0.50	1.00	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
28	1.00	1.00	1.00	0.50	0.50	1.00	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
29	1.00	1.00	1.00	0.50	0.50	0.50	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
30	1.00	1.00	1.00	0.50	0.50	0.50	0.50	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
31	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
32	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
33	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
34	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
35	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	1.00	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
36	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	1.00	0.60	0.60	0.60	0.60	0.60	1.00	1.00	0.70
37	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	0.60	0.60	0.60	0.60	1.00	1.00	0.70
38	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	0.60	0.60	0.60	1.00	1.00	0.70
39	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	0.60	0.60	1.00	1.00	0.70
40	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	0.60	1.00	1.00	0.70
41	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	1.00	0.70
42	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.00	1.00	1.00

Combinazioni FREQUENTI Stati Limite di Esercizio

Combinazione di carico numero	
43	SLE-F-Qk-NeveZ1
44	SLE-F-Qk-NeveZ2
45	SLE-F-Qk-NeveZ3
46	SLE-F-Qk-NeveZ4
47	SLE-F-Qk-Vento_n_X+
48	SLE-F-Qk-Vento_n_X-
49	SLE-F-Qk-Vento_n_Y+
50	SLE-F-Qk-Vento_n_Y-
51	SLE-F-Qk-Vento_t_X+
52	SLE-F-Qk-Vento_t_X-
53	SLE-F-Qk-Vento_n_Y+
54	SLE-F-Qk-Vento_n_Y-
55	SLE-F-Qk-Vento_cpi+

56	SLE-F-Qk-Vento_cpi-
57	SLE-F-Qk-DT+
58	SLE-F-Qk-DT-
59	SLE-F-Qk-Tribune CA

Comb.\ Cond	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	23	24	25
43	1.00	1.00	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
44	1.00	1.00	1.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
45	1.00	1.00	1.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
46	1.00	1.00	1.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
47	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
48	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
49	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
50	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
51	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
52	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
53	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.60
54	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	1.00	1.00	0.60
55	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	1.00	1.00	0.60
56	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	1.00	1.00	0.60
57	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	1.00	1.00	0.60
58	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1.00	1.00	0.60
59	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

- Combinazioni QUASI PERMANENTI Stati Limite di Esercizio

Combinazione di carico numero

60	SLE_QP_01

Comb.\Cond	1	2	3	23	24	25
60	1.0000	1.0000	1.0000	1.0000	1.0000	0.6000

- Combinazioni agli Stati Limite di Operativita'

Combinazione di carico numero

61	Sisma 0 / 90
62	Sisma 0 / 270
63	Sisma 90 / 0
64	Sisma 90 / 180
65	Sisma 180 / 90
66	Sisma 180 / 270
67	Sisma 270 / 0
68	Sisma 270 / 180

Comb.\Cond	1	2	3	20	21	22	23	24	25	30	31	32	33
61	1.00	1.00	1.00	1.00	0.30	0.30	1.00	1.00	0.60	1.00	0.30	0.00	0.00
62	1.00	1.00	1.00	1.00	-0.30	0.30	1.00	1.00	0.60	1.00	0.00	0.00	0.30
63	1.00	1.00	1.00	0.30	1.00	0.30	1.00	1.00	0.60	0.30	1.00	0.00	0.00
64	1.00	1.00	1.00	-0.30	1.00	0.30	1.00	1.00	0.60	0.00	1.00	0.30	0.00
65	1.00	1.00	1.00	-1.00	-0.30	0.30	1.00	1.00	0.60	0.00	0.30	1.00	0.00
66	1.00	1.00	1.00	-1.00	0.30	0.30	1.00	1.00	0.60	0.00	0.00	1.00	0.30
67	1.00	1.00	1.00	-0.30	-1.00	0.30	1.00	1.00	0.60	0.30	0.00	0.00	1.00
68	1.00	1.00	1.00	0.30	-1.00	0.30	1.00	1.00	0.60	0.00	0.00	0.30	1.00

9 CODICE DI CALCOLO: AFFIDABILITÀ E ANALISI DEI RISULTATI

Le elaborazioni numeriche sono state svolte con i seguenti software:

- analisi e verifica globale delle strutture: software agli elementi finiti **WinStrand**;
- verifica sezioni generiche: software **Preflex**

della En.Ex.Sys. S.r.l., con sede in via Tizzano 46/2, 40033 Casalecchio di Reno (Bologna), aggiornati alla versione attualmente corrente.

Il programma **WinStrand** esegue il calcolo agli elementi finiti di strutture comunque disposte nello spazio, lavorando in campo elastico lineare. Il programma si basa su un suo solutore interno agli elementi finiti.

Il codice è da considerarsi estremamente affidabile perché basato su un solutore collaudato, inoltre la documentazione fornita è corredata da una serie di esempi tratti dalla bibliografia tecnica e calcolati con altre procedure o risolti in forma chiusa.

La scelta del codice è stata fatta sulla base della documentazione fornita, ritenuta esaustiva delle tecniche di risoluzione implementate; il software permette inoltre la modellazione, la risoluzione e l'analisi dei risultati delle strutture calcolate in maniera completa.

La valutazione dei risultati forniti dal software è positiva, in quanto i valori ottenuti risultano concordi con i calcoli di predimensionamento svolti in maniera manuale.

10 MODELLAZIONE STRUTTURALE

La modellazione della struttura è stata eseguita utilizzando elementi finiti:

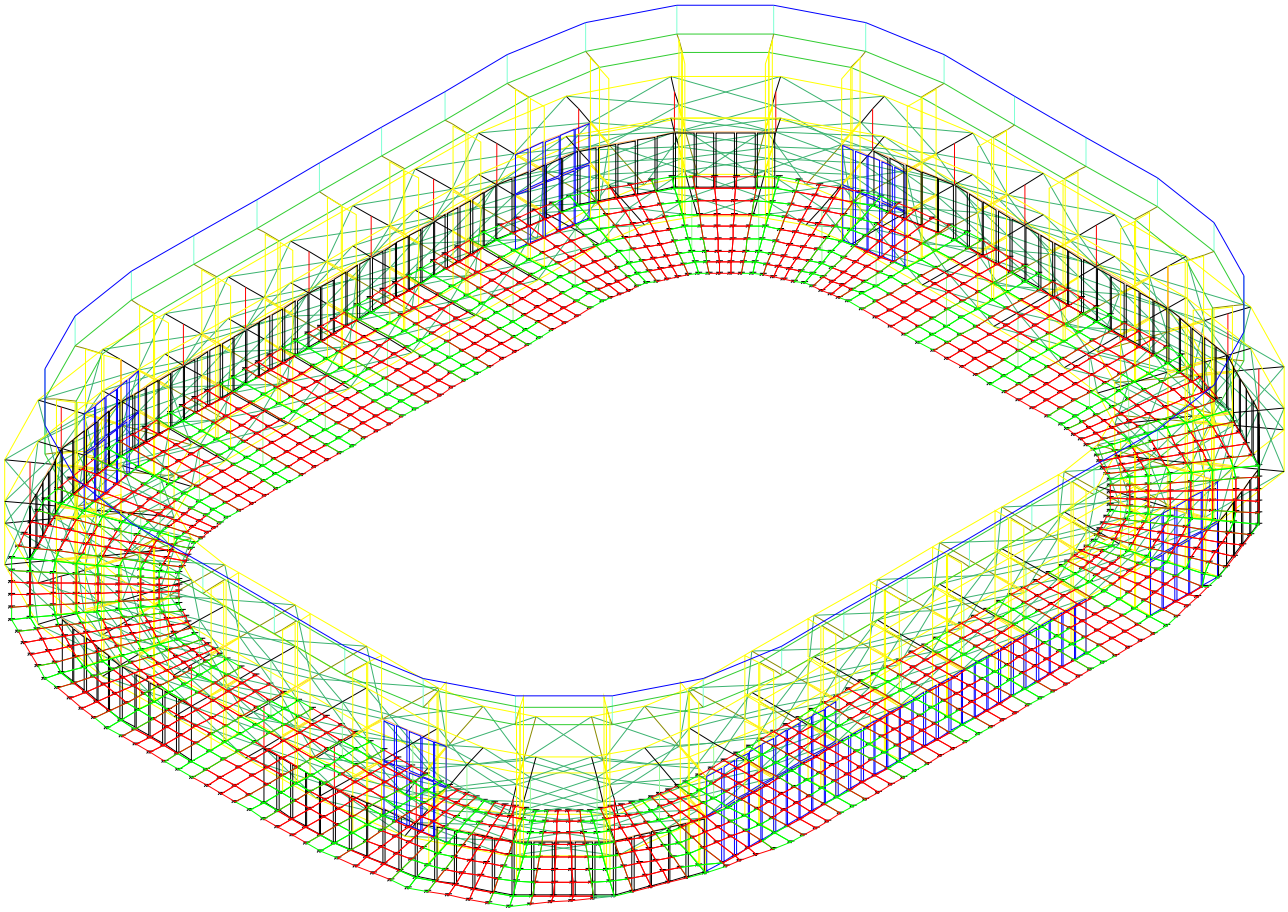
a) tipo beam per modellare travi e pilastri in cemento armato

b) tipo truss per modellare bielle

c) elementi piani a 4 nodi per modellare i setti

d) elementi piani a 3 e 4 nodi su suolo alla Winkler per modellare la platea di fondazione.

Si riportano figura del modello matematico in visualizzazione wireframe.



La struttura non presenta requisiti tali da richiedere nella sua analisi la necessità di considerare il sisma verticale, che quindi viene trascurato. Viene comunque considerato l'effetto del sisma verticale della copertura.

Le direzioni di ingresso del sisma si sono assunte parallele alle direzioni principali di sviluppo della struttura.

Per simulare la presenza dei solai di piano sono state introdotte delle bielle ausiliarie di rigidezza infinita.

L'analisi dinamica è condotta mediante il metodo di Ritz.

La combinazione degli effetti relativi ai singoli modi al fine di calcolare le sollecitazioni e gli spostamenti sarà effettuata con combinazione quadratica completa CQC secondo la formula 7.3.3 del DM2008.

- Lista materiali introdotti:

Materiale Numero	Tipo	E [MPa]	v	α 1/[1/°C]	Peso Specifico [kN/m^3]

1	C28/35	3.23e+004	0.10	0.000010	25.00
2	Aux_inf	1.00e+007	0.00	0.000000	0.00
3	Aux_inconsist	1.00e+002	0.00	0.000000	0.00
4	Steel	2.10e+005	0.33	0.000010	78.50
5	C25/30	3.15e+004	0.10	0.000010	25.00

- Lista terreni impiegati:

- 1 Costante di Sottofondo = 0.01 [N/mm^3] Default

- Pilastro Lista sezioni introdotte:

Sezione	Materiale	Dimensioni [mm]	
1	1	R= 200	Circolare pil1_fi40cm(D.B.)
4	1	B= 1100 H= 400	Rett. setto_sup(D.B.)

Sezione	Area [mm^2]	Jx [mm^4]	Jy [mm^4]	Jxy [mm^4]	Jt [mm^4]	Xx	Xy
1	125664	1256636693	1256636693	0	2513273386	1.0	1.0
4	680000	9066664614	163766652346	0	33932249993	1.2	1.2

- Trave Lista sezioni introdotte:

Sezione	Materiale	Dimensioni [mm]	
1	1	B= 400 H= 500	Rett. tr1(D.B.)
2	3	B= 200 H= 200	Rett. aux_chiusura(D.B.) Dummy
3	1	B= 200 H= 400	Rett. seduta_sup(D.B.)
4	4		Tubi 219.1X12.5 Correa(D.B.)
101	2	B= 400 H= 2000	Rett. aux_gradinata(D.B.) Dummy
102	1	B= 400 H= 500	Rett. cordolo_setti(D.B.) Dummy

Sezione	Area [mm^2]	Jx [mm^4]	Jy [mm^4]	Jxy [mm^4]	Jt [mm^4]	Xx	Xy
1	200000	4166666418	2666666172	0	5268034525	1.2	1.2
2	40000	133333306	133333306	0	224921227	1.2	1.2
3	80000	1066666446	266666611	0	732278742	1.2	1.2
4	8092	43217689	43217697	0	85953347	1.5	1.5
101	800000	266666650772	10666664690	0	41076660156	1.2	1.2
102	200000	4166666418	2666666172	0	5268034525	1.2	1.2

- Setto Lista sezioni introdotte:

Sez.	Mat.	B suola [mm]	H suola [mm]	Spessore [mm]	
1	1			400	Muro setto_PINT(D.B.)
2	1			400	Muro setto(D.B.)
3	1			400	Muro settoCV(D.B.)

- Sezioni con riduzione della resistenza flessionale-tagliante

Sezione	Fattore di Efficacia
1 Muro setto_PINT	1

- Elemento a 4 nodi Lista sezioni introdotte:

Sez.	Mat.	Spessore [mm]		
1	5	s= 1000 [mm]	Mesh plateaSigmaZ=0	Terreno numero 1 Default
2	5	s= 400 [mm]	Mesh plateaSigmaZ=0	Terreno numero 1 Default

- Triangolari Lista sezioni introdotte:

Sez.	Mat.	Spessore [mm]	
1	5	s= 1000 [mm]	Mesh isotropaSigmaZ=0

- Biella Lista sezioni introdotte:

Sezione	Materiale	Dimensioni [mm]	
1	4		Tubi Quadri 220x12.5 Pilastro_ext(D.B.)
101	2		Tubi 219.1X12.5 Solaio(D.B.) Dummy

Sezione	Area [mm^2]	Jx [mm^4]	Jy [mm^4]	Jxy [mm^4]	Jt [mm^4]	Xx	Xy
1	9414	62986066	62986124	0	111366055	1.7	1.7
101	8092	43217689	43217697	0	85953347	1.5	1.5

11 RISULTATI ANALISI DINAMICA

Si riportano di seguito i risultati delle analisi dinamiche in termini di periodi propri di vibrazione.

Il numero di modi considerato garantisce una massa partecipante totale superiore all'85% e sono stati considerati tutti i modi con massa partecipante superiore al 5%, come indicato al punto 7.3.3.1 del DM2008.

Direzione d'ingresso	Modo Principale	Periodo [s]	% Massa Modale Modo Principale	% Massa Modale Totale
0.00 [°]	1	0.417	64	97
90.00 [°]	16	0.328	23	96
180.00 [°]	25	0.417	64	97
270.00 [°]	40	0.328	23	96

12 VERIFICHE S.L.D.

Le verifiche in termini di resistenza secondo il punto 7.3.7.1 del DM2008 si omettono, poiché lo spettro SLD risulta essere sempre inferiore allo spettro SLV, dando quindi luogo a stati di sollecitazione inferiore. In figura si riporta il confronto fra i due spettri (in blu spettro SLV, in marrone spettro SLD per $\eta=2/3$)

13 VERIFICHE S.L.O.

Le verifiche in spostamento S.L.O. sono state condotte nel rispetto delle norme vigenti, affinché sotto l'azione sismica di progetto gli spostamenti strutturali non producano danni tali da rendere temporaneamente inagibile l'edificio. La verifica è ritenuta soddisfatta se gli spostamenti di interpiano $\mathbf{d_r}$ ottenuti dall'analisi risultani inferiori ai limiti indicati al punto 7.3.7.2 del DM2008.

Per edifici con tamponamenti collegati rigidamente alla struttura che interferiscono con la deformabilità della stessa deve risultare $d_r < 2/3 * 0.005\ h$, avendo indicato con h l'altezza di piano.

- Combinazioni agli Stati Limite di Operativita'

- Massimi spostamenti differenziali orizzontali

- Spostamenti massimi di interpiano valutati secondo la formula: $(a\eta_s + b\eta_d) / c$
- Fattore moltiplicativo spostamenti componente carichi gravitazionali a = 0
- Fattore moltiplicativo spostamenti dovuti al sisma b = 1
- Coefficiente denominatore c = 1
- Controllo degli spostamenti di interpiano dU inferiore a 0.003333 H

Comb.	Ux		Uy		Uz		|Uxyz|	
	Nodi	Ux [mm]	Nodi	Uy [mm]	Nodi	Uz [mm]	Nodi	|Uxyz| [mm]
61	60-2481	4.72	1814-2496	1.21	1062-2460	-0.29	60-2481	4.76
62	72-2489	4.52	1139-2462	-1.35	1153-2464	-0.31	72-2489	4.71
63	48-2473	2.34	60-2481	3.02	856-2452	-0.32	54-2477	3.78
64	772-2445	-2.31	66-2485	3.21	2020-2502	0.29	72-2489	3.81
65	72-2489	-4.52	1139-2462	1.35	1153-2464	0.31	72-2489	4.71
66	60-2481	-4.72	1814-2496	-1.21	1062-2460	0.29	60-2481	4.76
67	772-2445	2.31	66-2485	-3.21	2020-2502	-0.29	72-2489	3.81
68	48-2473	-2.34	60-2481	-3.02	856-2452	0.32	54-2477	3.78

- Spostamenti Max in direzione Ux [mm]

Nodi	Comb.	61	62	63	64	65	66	67	68
60 2481	61	**4.72**	4.21	2.19	-0.49	-4.21	-4.72	0.49	-2.19
72 2489	62	4.04	**4.52**	0.49	-2.08	-4.52	-4.04	2.08	-0.49
48 2473	63	4.47	3.81	**2.34**	-0.14	-3.81	-4.47	0.14	-2.34
772 2445	64	3.64	4.31	0.08	**-2.31**	-4.31	-3.64	2.31	-0.08
72 2489	65	4.04	4.52	0.49	-2.08	**-4.52**	-4.04	2.08	-0.49
60 2481	66	4.72	4.21	2.19	-0.49	-4.21	**-4.72**	0.49	-2.19
772 2445	67	3.64	4.31	0.08	-2.31	-4.31	-3.64	**2.31**	-0.08
48 2473	68	4.47	3.81	2.34	-0.14	-3.81	-4.47	0.14	**-2.34**

- Spostamenti Max in direzione Uy [mm]

Nodi	Comb.	61	62	63	64	65	66	67	68
1814 2496	61	**1.21**	-0.51	2.97	2.76	0.51	-1.21	-2.76	-2.97
1139 2462	62	0.38	**-1.35**	2.74	3.03	1.35	-0.38	-3.03	-2.74
60 2481	63	0.62	-1.24	**3.02**	3.20	1.24	-0.62	-3.20	-3.02
66 2485	64	0.59	-1.27	3.01	**3.21**	1.27	-0.59	-3.21	-3.01
1139 2462	65	0.38	-1.35	2.74	3.03	**1.35**	-0.38	-3.03	-2.74
1814 2496	66	1.21	-0.51	2.97	2.76	0.51	**-1.21**	-2.76	-2.97

66 2485	67	0.59	-1.27	3.01	3.21	1.27	-0.59	**-3.21**	-3.01
60 2481	68	0.62	-1.24	3.02	3.20	1.24	-0.62	-3.20	**-3.02**

- Spostamenti Max in direzione Uz [mm]

Nodi	Comb.	61	62	63	64	65	66	67	68
1062 2460	61	**-0.29**	-0.17	-0.27	-0.14	0.17	0.29	0.14	0.27
1153 2464	62	-0.25	**-0.31**	0.02	0.19	0.31	0.25	-0.19	-0.02
856 2452	63	-0.18	-0.00	**-0.32**	-0.27	0.00	0.18	0.27	0.32
2020 2502	64	-0.11	-0.25	0.18	**0.29**	0.25	0.11	-0.29	-0.18
1153 2464	65	-0.25	-0.31	0.02	0.19	**0.31**	0.25	-0.19	-0.02
1062 2460	66	-0.29	-0.17	-0.27	-0.14	0.17	**0.29**	0.14	0.27
2020 2502	67	-0.11	-0.25	0.18	0.29	0.25	0.11	**-0.29**	-0.18
856 2452	68	-0.18	-0.00	-0.32	-0.27	0.00	0.18	0.27	**0.32**

- Spostamenti Max in direzione |Uxyz| [mm]

Nodi	Comb.	61	62	63	64	65	66	67	68
60 2481	61	**4.76**	4.39	3.73	3.24	4.39	4.76	3.24	3.73
72 2489	62	4.09	**4.71**	3.01	3.81	4.71	4.09	3.81	3.01
54 2477	63	4.70	4.24	**3.78**	3.19	4.24	4.70	3.19	3.78
72 2489	64	4.09	4.71	3.01	**3.81**	4.71	4.09	3.81	3.01
72 2489	65	4.09	4.71	3.01	3.81	**4.71**	4.09	3.81	3.01
60 2481	66	4.76	4.39	3.73	3.24	4.39	**4.76**	3.24	3.73
72 2489	67	4.09	4.71	3.01	3.81	4.71	4.09	**3.81**	3.01
54 2477	68	4.70	4.24	3.78	3.19	4.24	4.70	3.19	**3.78**

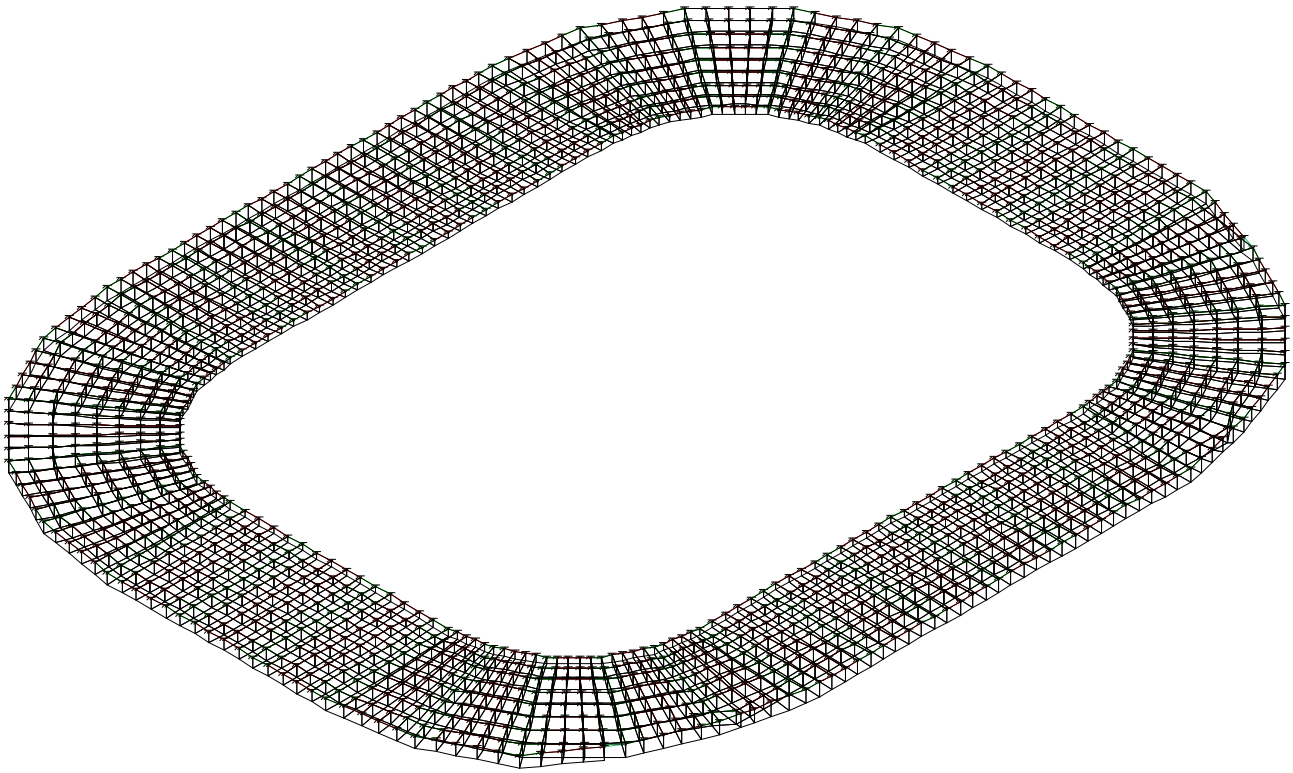
- Spostamenti Massimi :

- Combinazione di Carico **61**
- Fra i nodi **60 2481**
- In direzione **|Uxyz|**
- Spostamento **4.76**

Non si sono rilevati spostamenti di interpiano superiori a 0.003330 H

14 VERIFICA CAPACITÀ PORTANTE TERRENO

Si riportano nelle figure seguenti il diagramma inviluppo delle pressioni in fondazione con individuazione del valore massimo e l'isomappa della distribuzione delle pressioni nella relativa combniazione.



Inviluppo Pressioni sul terreno SLU (1 : 25)

Sez			Max [MPa]				Min [MPa]
1	4 nodi	92 1955 1905 1928	0.11	1481 1476 1493 1492			0.02
2	4 nodi	2050 2013 1980 2017	0.11	1492 1493 1510 1509			0.02

Max 0.11 Min 0.02 [MPa]

Il valore massimo della pressione di contatto si manifesta nella combinazione 17.

Il valore è inferiore al valore della capacità portante.

15 VERIFICHE TRAVI

Impalcato a quota +1.02m

Numerazione nodale

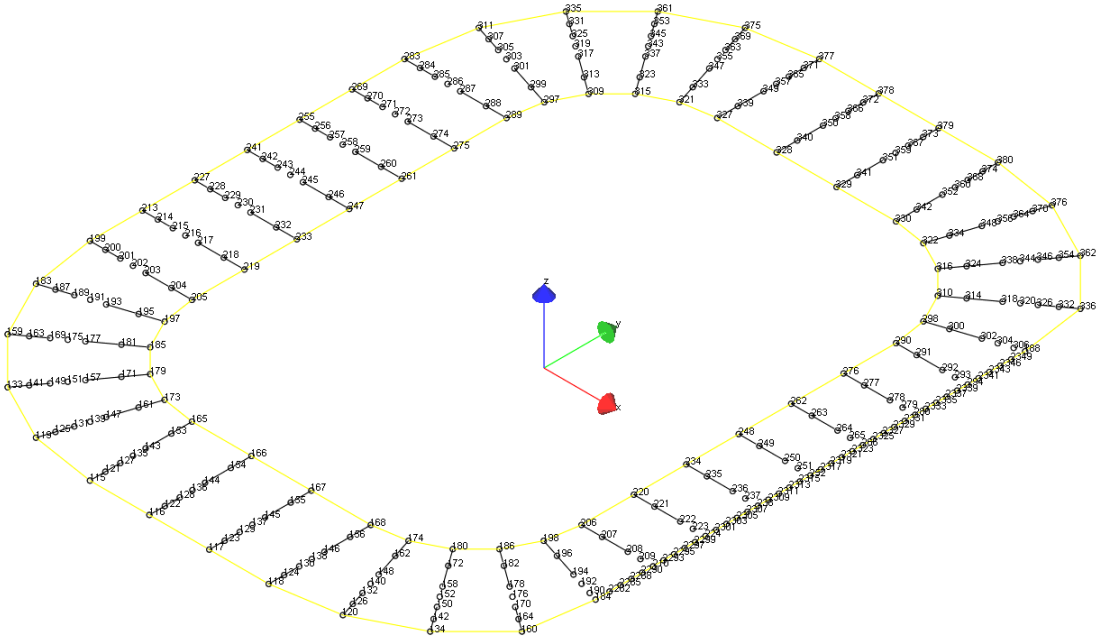
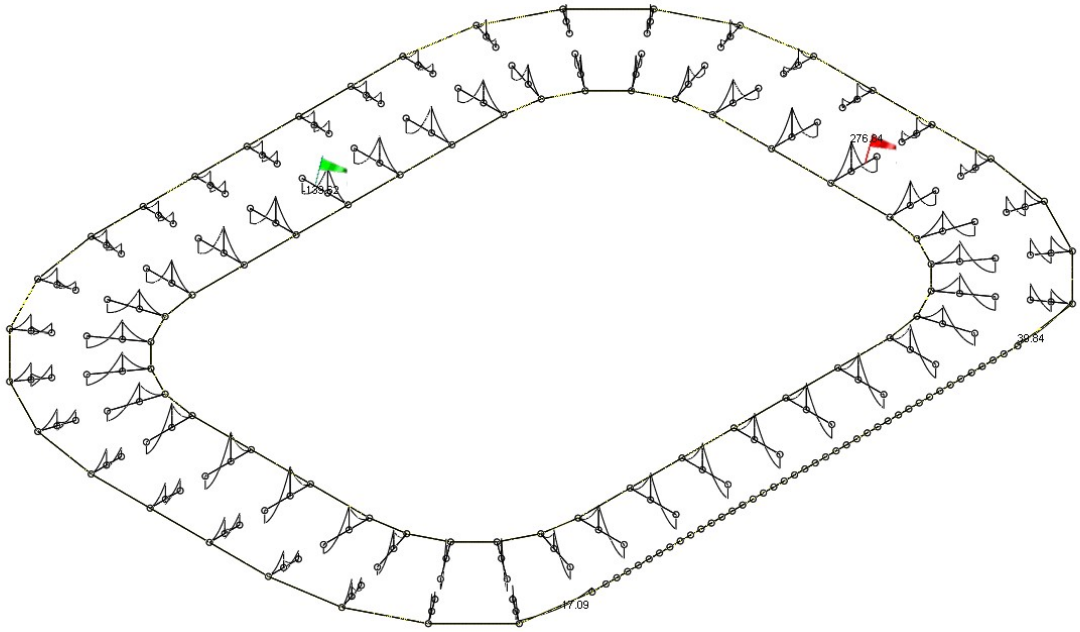


Diagramma inviluppo momenti

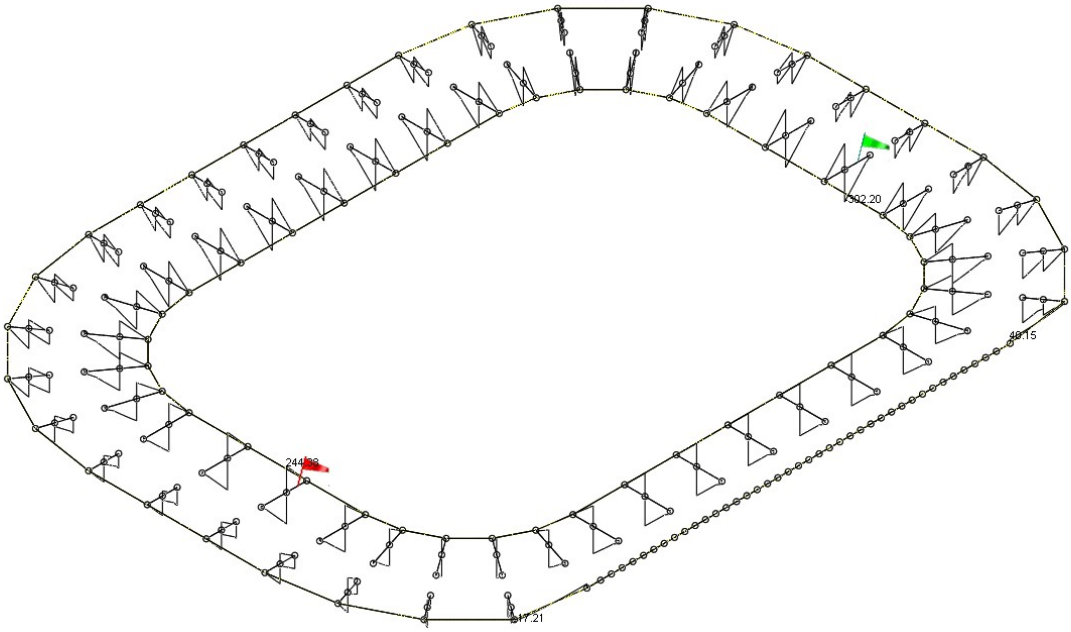


Inviluppo Momento flettente nel piano 1-2 SLU (1 : 25)

Sez		Max [kNm]		Min [kNm]	
1	Travi	351 341	276.84	245 246	-139.62
2	Travi	188 336	39.84	184 160	-17.09

Max 276.84 Min -139.62 [kNm]

Diagramma inviluppo tagli



Inviluppo Taglio nel piano 1-2 SLU (1 : 25)

Sez			Max [kN]		Min [kN]
1	Travi	155 167	244.38	351 341	-302.20
2	Travi	188 336	40.15	184 160	-17.21

Max 244.38 Min -302.20 [kN]

Impalcato a quota +4.17m

Numerazione nodale

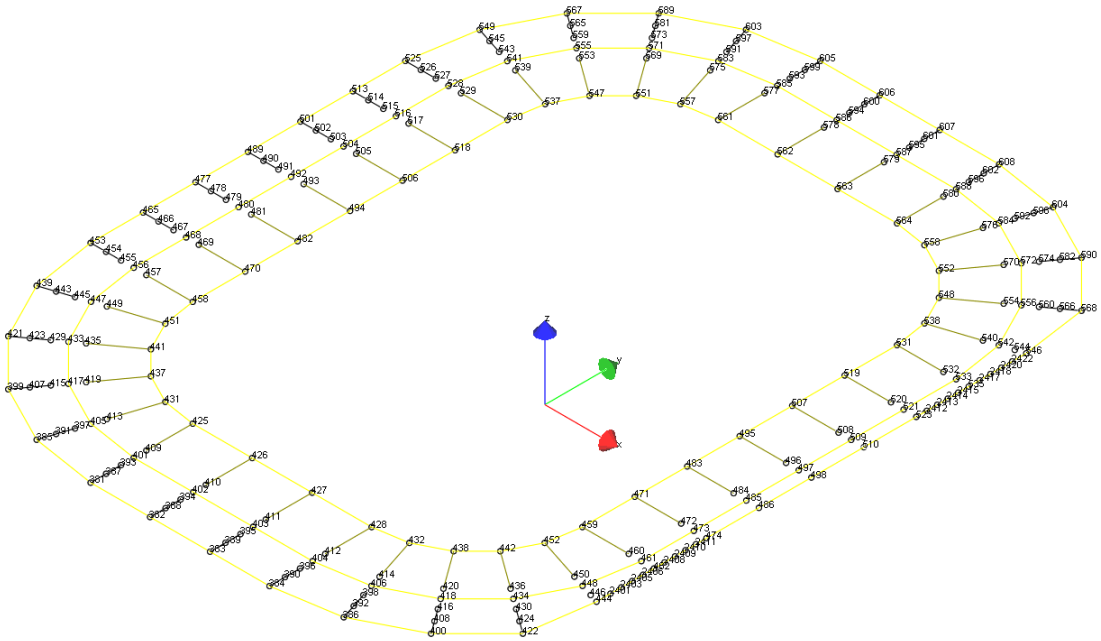
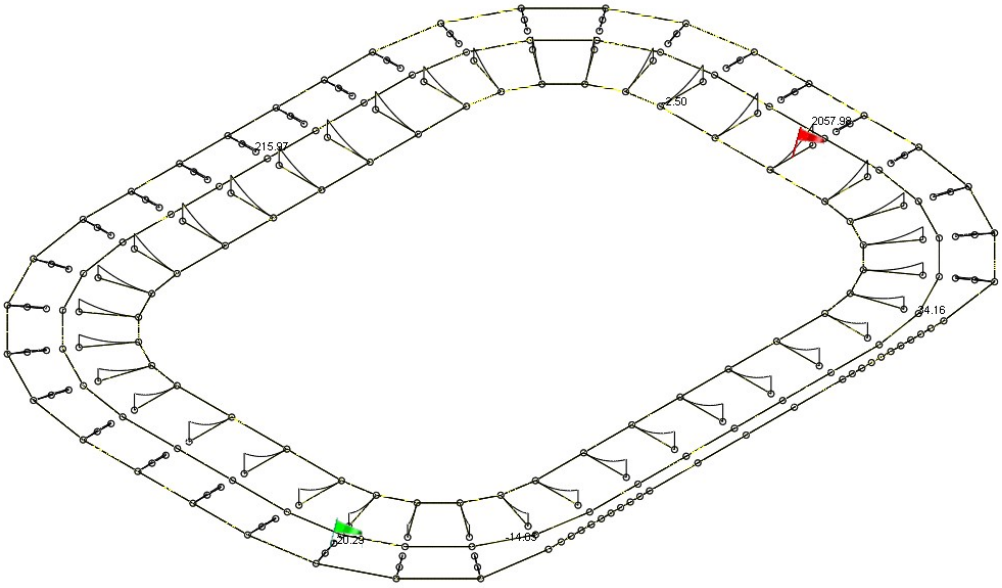


Diagramma inviluppo momenti

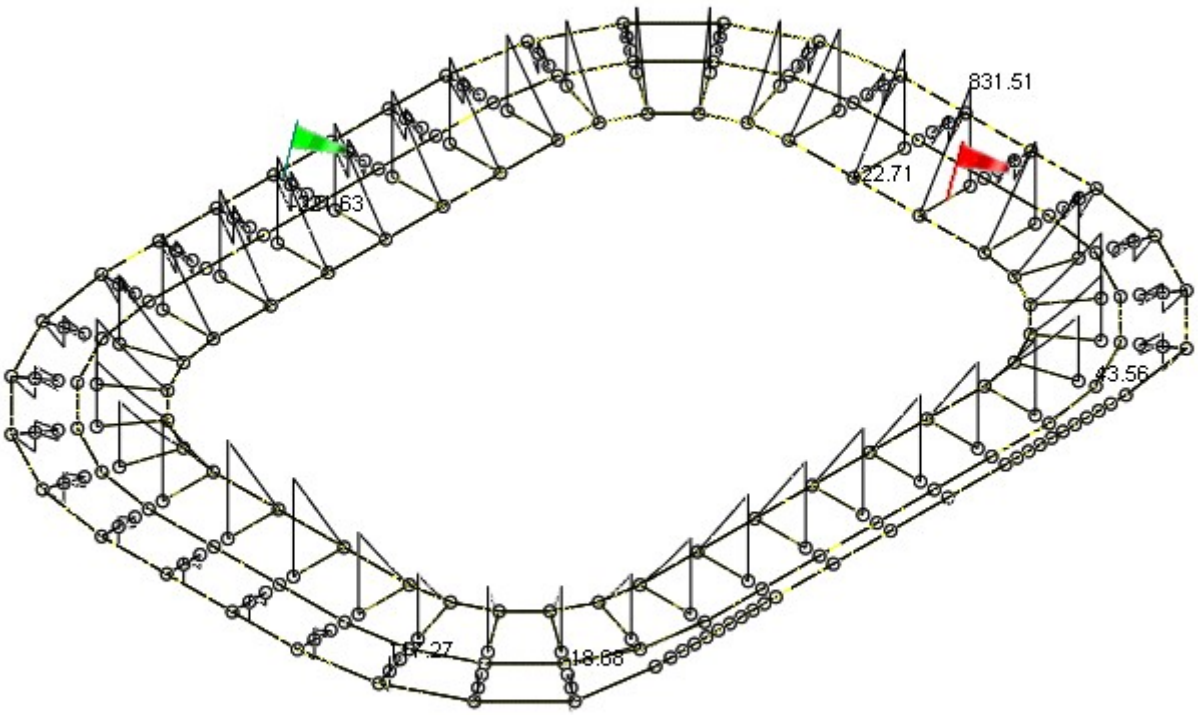


Inviluppo Momento flettente nel piano 1-2 SLU (1 : 25)

Sez			Max [kNm]		Min [kNm]
1	Travi	490 491	215.97	392 398	-20.29
2	Travi	542 556	34.16	448 434	-14.65
101	Travi	579 563	2057.98	577 561	-2.50

Max 2057.98 Min -20.29 [kNm]

Diagramma inviluppo tagli



Inviluppo Taglio nel piano 1-2 SLU (1 : 25)

Sez			Max [kN]		Min [kN]
1	Travi	392 398	117.27	489 490	-221.63
2	Travi	542 556	43.56	448 434	-18.68
101	Travi	579 563	831.51	578 562	-22.71

Max 831.51 Min -221.63 [kN]

- Verifiche travi

- Modalità di verifica

Le travi sono state progettate e verificate a flessione retta e taglio nel piano longitudinale della trave sulla base dell'inviluppo delle sollecitazioni.

Viene comunque sempre predisposta l'armatura minima longitudinale e gli sforzi di taglio vengono integralmente assorbiti dalle staffe.

Le tensioni di ancoraggio nelle barre sono valutate ipotizzando una distribuzione lineare delle tensioni tangenziali di ancoraggio.

Le operazioni di verifica sono riportate in tre diverse sezioni:

- sezione in corrispondenza dei fili esterni dei pilastri secondo le modalità di spunto definite dal Progettista;
- sezione in campata nella quale viene riscontrato il massimo momento.

Le sollecitazioni di verifica alle estremità sono valutate sulla faccia dei pilastri.

Il momento flettente in campata viene determinato considerando un abbattimento $\Delta M=10\%$.

L'armatura a taglio si intende simmetrica rispetto alla mezzeria della trave e viene progettata considerando, rispetto alla mezzeria, la zona della trave più sollecitata.

- Sezioni Impiegate:

- Sezioni Impiegate: Trave

Sezione Numero	Info	Dimensioni	Criterio	Calcestruzzo	σ_{amm} [MPa]	τ_{bo} [MPa]	τ_{b1} [MPa]	Acciaio	σ_{amm} [MPa]	Copriferro Es [mm]	Copriferro In [mm]
1	Rett. tr1	B 400 [mm] H 500 [mm]	Vertrav	300	9.75	0.60	1.83	B 450 C	260.00	40.00	40.00
3	Rett. seduta_sup	B 200 [mm] H 400 [mm]	Vertrav	300	9.75	0.60	1.83	B 450 C	260.00	40.00	40.00

Simbologia utilizzata:

Nodo	Numero nodo del modello fem
x	Ascissa a cui si valuta la sollecitazione
A_{fe}	Armatura efficace estradosso
A_{fi}	Armatura efficace intradosso
q_T	Carico massimo (somma di tutti i carichi agenti, mediata sulla lunghezza dell'asta) agente sulla trave per le varie combinazioni di carico
M_{rif}	Momento di riferimento = q_T*L^2/n, con n=*INPUT UTENTE*
M_{de}	Momento sollecitante estradosso
M_{dI}	Momento sollecitante intradosso
M_{re}	Momento resistente estradosso
M_{rI}	Momento resistente intradosso
x/d	Posizione dell'asse neutro adimensionalizzata
σ_{be}	Tensione di lavoro nel cls all'estradosso per S.L.E.
σ_{bI}	Tensione di lavoro nel cls all'intradosso per S.L.E.
σ_{fe}	Tensione di lavoro nell'acciaio all'estradosso per S.L.E.
σ_{fI}	Tensione di lavoro nell'acciaio all'intradosso per S.L.E.
Da	Ascissa iniziale concio per armatura a taglio
A	Ascissa finale concio per armatura a taglio
Dx	Lunghezza concio
V_{Sd}	Taglio sollecitante (V_{Ed} nel DM2008)
V_{rdc}	Taglio resistente elemento privo di armatura a taglio ($V_{Rd,c}$ nel DM2008)
V_{Rdmax}	Taglio resistente bielle cls (V_{Rcd} nel DM2008)
V_{rds}	Taglio resistente elemento con armatura a taglio (V_{Rd} nel DM2008)

Staffe	Armatura resistente a taglio e torsione
T_{Sd}	Torsione sollecitante
T_{rd1}	Torsione resistente bielle cls (**T_{Rcd}** nel DM2008)
T_{rd2}	Torsione resistente armatura (staffe, **T_{Rsd}** nel DM2008))

- Sezioni Impiegate: Trave

Sezione Numero	Info	Dimensioni	Criterio	Calcestruzzo	f_{cd} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Copriferro Es [mm]	Copriferro In [mm]
1	Rett. tr1	B 400 [mm] H 500 [mm]	Vertrav	C28/35	15.87	B 450 C	391.30	360.00	450.00	450.00	40.00	40.00
3	Rett. seduta_sup	B 200 [mm] H 400 [mm]	Vertrav	C28/35	15.87	B 450 C	391.30	360.00	450.00	450.00	40.00	40.00

EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. cotg θ = 1.00

Verifica a fessurazione diretta (calcolo ampiezza delle fessure)

Elemento	Comb. Rare mm	Comb. Frequenti mm	Comb. Quasi Permanenti mm
Trave	No	0.400	0.300
Trave di Fondazione	No	0.400	0.300

Fattore di sovraresistenza Travi $\gamma_{R,d}$=1.00

Fattore di sovraresistenza Fondazioni $\gamma_{R,d}$=1.10

- Verifiche Travate:

- Travata: *1 Travata 115 116 117 118*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 115 116 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 116 117 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 117 118 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 115 116 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 116 117 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 117 118 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *100 Travata 610 612 614 616 618 620 622*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 610 612 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 612 614 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 614 616 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 616 618 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 618 620 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 620 622 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 610 612 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 612 614 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 614 616 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 616 618 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 618 620 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 620 622 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *100 Travata 625 2444 631*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 625 2444 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2444 631 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 625 2444 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2444 631 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *101 Travata 691 2516 697*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 691 2516 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2516 697 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 691 2516 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2516 697 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *102 Travata 626 2445 632*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 626 2445 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2445 632 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 626 2445 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2445 632 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *103 Travata 692 2517 698*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 692 2517 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2517 698 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 692 2517 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2517 698 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *108 Travata 2513 688*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2513 688 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2513 688 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *108 Travata 2344 2347*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2344 2347 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2344 2347 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *109 Travata 2369 2370*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2369 2370 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2369 2370 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *114 Travata 446 444*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 544 546

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 446 444 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 446 444 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *116 Travata 2455 638*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2455 638 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2455 638 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *123 Travata 635 2454*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 635 2454 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 635 2454 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *125 Travata 189 2281*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 189 2281 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 189 2281 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *13 Travata 269 270 271 272 273 274 275*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 199 200 201 202 203 204 205
- 213 214 215 216 217 218 219
- 227 228 229 230 231 232 233
- 241 242 243 244 245 246 247
- 255 256 257 258 259 260 261

- 283 284 285 286 287 288 289

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 400x500 [mm] tr1																
269	0.05	804	804			3.63	131.59	0.13	-0.37	-131.59	0.13					
					S.L.E. Rare	0.14			-0.19			0.01	0.01	0.42	0.58	
					S.L.E. Freq.	0.14			-0.19			0.01	0.01	0.42	0.58	0.0006
					S.L.E. Q.P.	0.11			-0.16			0.01	0.01	0.35	0.49	0.0005
Camp.	0.75	804	804	98.37	0.27	49.37	131.59	0.13	-0.02	-131.59	0.13					
					S.L.E. Rare	22.03			-0.01			0.00	1.76	68.53	14.44	
					S.L.E. Freq.	22.03			-0.01			0.00	1.76	68.53	14.44	0.0149
					S.L.E. Q.P.	18.55			-0.01			0.00	1.48	57.71	12.16	0.0125
270	1.45	804	804			112.87	131.59	0.13	0.00	-131.59	0.13					
					S.L.E. Rare	81.85			0.00			0.00	6.54	254.63	53.65	
					S.L.E. Freq.	81.85			0.00			0.00	6.54	254.63	53.65	0.0552
					S.L.E. Q.P.	68.93			0.00			0.00	5.51	214.42	45.18	0.0465
Trave Sez. 1 Rett. 400x500 [mm] tr1																
270	0.20	804	804			39.18	131.59	0.13	-49.02	-131.59	0.13					
					S.L.E. Rare	3.94			-20.47			1.64	0.32	13.42	63.69	
					S.L.E. Freq.	2.95			-17.78			1.42	0.24	11.65	55.31	0.0569
					S.L.E. Q.P.	2.26			-16.31			1.30	0.18	10.69	50.73	0.0522
Camp.	0.90	804	804	98.37	0.25	48.44	131.59	0.13	-5.80	-131.59	0.13					
					S.L.E. Rare	15.76			0.00			0.00	1.26	49.04	10.33	
					S.L.E. Freq.	15.74			0.00			0.00	1.26	48.97	10.32	0.0106
					S.L.E. Q.P.	14.79			0.00			0.00	1.18	46.02	9.70	0.0100
271	1.60	804	804			122.12	131.59	0.13	-5.86	-131.59	0.13					
					S.L.E. Rare	82.07			0.00			0.00	6.56	255.30	53.79	
					S.L.E. Freq.	80.02			0.00			0.00	6.40	248.91	52.44	0.0540
					S.L.E. Q.P.	74.19			0.00			0.00	5.93	230.79	48.63	0.0500
Trave 271 272 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																
Trave 272 273 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																
Trave Sez. 1 Rett. 400x500 [mm] tr1																
273	0.00	1005	1206			34.90	162.24	0.14	-139.62	-192.84	0.15					
					S.L.E. Rare	0.00			-103.32			6.92	0.00	63.26	217.27	
					S.L.E. Freq.	0.00			-108.04			7.23	0.00	66.15	227.19	0.2551
					S.L.E. Q.P.	0.00			-100.86			6.75	0.00	61.75	212.09	0.2337
Camp.	1.27	1005	804	98.37	0.74	0.00	162.28	0.14	-74.70	-131.58	0.13					
					S.L.E. Rare	0.00			-40.56			3.14	0.00	25.31	126.14	
					S.L.E. Freq.	0.00			-42.12			3.27	0.00	26.29	131.01	0.1353
					S.L.E. Q.P.	0.00			-38.91			3.02	0.00	24.28	121.02	0.1250
274	2.55	1407	804			197.35	223.19	0.17	0.00	-131.57	0.13					
					S.L.E. Rare	144.08			0.00			0.00	9.46	261.69	90.95	
					S.L.E. Freq.	145.32			0.00			0.00	9.54	263.94	91.73	0.0659
					S.L.E. Q.P.	124.74			0.00			0.00	8.19	226.56	78.74	0.0566
Trave Sez. 1 Rett. 400x500 [mm] tr1																
274	0.20	1407	804			196.80	223.19	0.17	0.00	-131.57	0.13					
					S.L.E. Rare	142.76			0.00			0.00	9.37	259.30	90.12	
					S.L.E. Freq.	142.76			0.00			0.00	9.37	259.30	90.12	0.0647
					S.L.E. Q.P.	120.36			0.00			0.00	7.90	218.61	75.97	0.0546
Camp.	1.18	1005	804	98.37	0.48	74.75	162.28	0.14	-0.17	-131.58	0.13					
					S.L.E. Rare	37.53			-0.12			0.01	2.76	94.15	24.36	
					S.L.E. Freq.	37.53			-0.12			0.01	2.76	94.15	24.36	0.0215
					S.L.E. Q.P.	31.64			-0.10			0.01	2.33	79.37	20.54	0.0182
275	2.15	1005	804			3.33	162.28	0.14	-0.38	-131.58	0.13					
					S.L.E. Rare	0.16			-0.23			0.02	0.01	0.41	0.71	
					S.L.E. Freq.	0.16			-0.23			0.02	0.01	0.41	0.71	0.0007
					S.L.E. Q.P.	0.14			-0.19			0.01	0.01	0.35	0.60	0.0006

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 269 270 Sez. 1 Rett. 400x500 [mm] tr1							
0.05	1.45	1.40	234.62	83.22	637.02	315.80	ø 8 4br. 100'
Trave 270 271 Sez. 1 Rett. 400x500 [mm] tr1							
0.20	1.60	1.40	236.12	83.22	637.02	315.80	ø 8 4br. 100'
Trave 271 272 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**							
Trave 272 273 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**							
Trave 273 274 Sez. 1 Rett. 400x500 [mm] tr1							
0.00	2.55	2.55	256.47	83.22	637.02	315.80	ø 8 4br. 100'
Trave 274 275 Sez. 1 Rett. 400x500 [mm] tr1							
0.20	2.15	1.95	236.08	83.22	637.02	315.80	ø 8 4br. 100'

- Travata: *131 Travata 386 384*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 386 384 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 386 384 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *132 Travata 555 541*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 555 541 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 555 541 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *133 Travata 452 442*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 452 442 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 452 442 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *134 Travata 542 556*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 542 556 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 542 556 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *135 Travata 549 525*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 549 525 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 549 525 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *136 Travata 583 571*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 583 571 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 583 571 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *137 Travata 557 551*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 557 551 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 557 551 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *138 Travata 533 542*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 533 542 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 533 542 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *139 Travata 401 405*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 401 405 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 401 405 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *140 Travata 441 451*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 441 451 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 441 451 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *140 Travata 682 2501 680*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 682 2501 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2501 680 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 682 2501 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2501 680 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *140 Travata 285 2340*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 285 2340 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 285 2340 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *141 Travata 603 589*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 603 589 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 603 589 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *142 Travata 459 452*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 459 452 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 459 452 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *143 Travata 584 588*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 584 588 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 584 588 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *144 Travata 438 432 428*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 438 432 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 432 428 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 438 432 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 432 428 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *145 Travata 451 458*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 451 458 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 451 458 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *146 Travata 422 400*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 422 400 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 422 400 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *147 Travata 558 564*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 558 564 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 558 564 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *148 Travata 590 604*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 590 604 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 590 604 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *149 Travata 425 431*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 425 431 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 425 431 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *150 Travata 434 448 461*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 434 448 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 448 461 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 434 448 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 448 461 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *151 Travata 551 547*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 551 547 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 551 547 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *151 Travata 677 2496*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 677 2496 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 677 2496 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *152 Travata 406 404*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 406 404 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 406 404 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *152 Travata 681 2500*

Nodo	x	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[m]	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 681 2500 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 681 2500 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *153 Travata 444 422*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 444 422 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 444 422 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *153 Travata 685 2504*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 685 2504 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 685 2504 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *154 Travata 571 555*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 571 555 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 571 555 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *154 Travata 693 2512*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 693 2512 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 693 2512 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *155 Travata 547 537*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 547 537 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 547 537 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *156 Travata 552 558*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 552 558 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 552 558 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *157 Travata 433 447*

Nodo	x	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[m]	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 433 447 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 433 447 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *158 Travata 643 2462*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 643 2462 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 643 2462 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *159 Travata 2281 2284 2287*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2281 2284 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2284 2287 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2281 2284 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2284 2287 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *160 Travata 2291 201*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2291 201 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2291 201 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *17 Travata 327 328 329 330*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 327 328 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 328 329 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 329 330 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 327 328 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 328 329 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 329 330 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *175 Travata 2366 2369*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2366 2369 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2366 2369 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *18 Travata 377 378 379 380*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 377 378 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 378 379 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 379 380 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 377 378 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 378 379 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 379 380 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *180 Travata 134 120*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 134 120 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 134 120 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *182 Travata 188 336*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 188 336 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 188 336 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *185 Travata 361 335*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 361 335 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 361 335 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *186 Travata 159 183*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 159 183 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 159 183 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *187 Travata 119 133*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 119 133 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 119 133 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *189 Travata 310 316*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 310 316 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 310 316 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *19 Travata 381 382 383 384*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 381 382 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 382 383 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 383 384 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 381 382 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 382 383 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 383 384 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *191 Travata 197 205*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 197 205 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 197 205 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *194 Travata 173 179*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 173 179 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 173 179 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *197 Travata 377 375*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 377 375 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 377 375 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *2 Travata 165 166 167 168*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 165 166 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 166 167 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 167 168 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 165 166 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 166 167 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 167 168 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *2 Travata 121 2240 2241 2242 2243 122*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 121 2240 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2240 2241 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2241 2242 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2242 2243 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2243 122 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 121 2240 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2240 2241 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2241 2242 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2242 2243 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2243 122 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *20 Travata 401 402 403 404*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 401 402 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 402 403 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 403 404 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 401 402 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 402 403 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 403 404 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *20 Travata 371 2384 2385 2386 2387 372 2388 2389 2390 2391 373 2392 2393 2394 2395 374*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 371 2384 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2384 2385 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2385 2386 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2386 2387 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2387 372 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 372 2388 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2388 2389 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2389 2390 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2390 2391 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2391 373 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 373 2392 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2392 2393 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2393 2394 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2394 2395 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2395 374 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 371 2384 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2384 2385 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2385 2386 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2386 2387 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2387 372 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 372 2388 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2388 2389 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2389 2390 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2390 2391 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2391 373 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 373 2392 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2392 2393 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2393 2394 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2394 2395 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2395 374 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *207 Travata 185 197*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 185 197 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 185 197 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *21 Travata 425 426 427 428*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 425 426 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 426 427 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 427 428 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 425 426 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 426 427 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 427 428 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *210 Travata 206 198*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 206 198 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 206 198 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *211 Travata 527 2416*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 527 2416 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 527 2416 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *214 Travata 327 321*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 327 321 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 327 321 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *216 Travata 115 119*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 115 119 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 115 119 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *217 Travata 160 134*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 160 134 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 160 134 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *218 Travata 120 118*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 120 118 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 120 118 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *22 Travata 455 456*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 455 456 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 455 456 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *22 Travata 456 457*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 456 457 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 456 457 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *22 Travata 457 458*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 457 458 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 457 458 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *220 Travata 322 330*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 322 330 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 322 330 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *225 Travata 174 168*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 174 168 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 174 168 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *229 Travata 551 569 571*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 551 569 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 569 571 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 551 569 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 569 571 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *229 Travata 2404 2407*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2404 2407 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2404 2407 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *23 Travata 459 460 461 462*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 459 460 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 460 461 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 461 462 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 459 460 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 460 461 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 461 462 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *230 Travata 570 552*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 570 552 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 570 552 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *231 Travata 554 548*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 554 548 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 554 548 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *232 Travata 435 441*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 435 441 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 435 441 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *233 Travata 584 576*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 584 576 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 584 576 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *234 Travata 574 572*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 574 572 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 574 572 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *235 Travata 434 436*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 434 436 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 434 436 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *236 Travata 540 538*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 540 538 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 540 538 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *237 Travata 575 557*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 575 557 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 575 557 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *238 Travata 448 450*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 448 450 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 448 450 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *239 Travata 415 417*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 415 417 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 415 417 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *24 Travata 467 468*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 467 468 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 467 468 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *24 Travata 468 469*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 468 469 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 468 469 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *24 Travata 469 470*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 469 470 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 469 470 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *240 Travata 553 547*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 553 547 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 553 547 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *241 Travata 559 555*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 559 555 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 559 555 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *242 Travata 445 447*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 445 447 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 445 447 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *243 Travata 416 418*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 416 418 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 416 418 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *244 Travata 544 542*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 544 542 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 544 542 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *245 Travata 420 438*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 420 438 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 420 438 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *246 Travata 398 406*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 398 406 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 398 406 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *246 Travata 2399 414*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2399 414 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2399 414 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *247 Travata 556 554*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 556 554 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 556 554 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *247 Travata 2416 2419*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2416 2419 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2416 2419 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *248 Travata 417 419*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 417 419 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 417 419 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *248 Travata 2421 2423*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2421 2423 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2421 2423 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *249 Travata 583 575*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 583 575 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 583 575 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *249 Travata 639 2458*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 639 2458 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 639 2458 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *249 Travata 2424 2425*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2424 2425 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2424 2425 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *25 Travata 471 472 473 474*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 471 472 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 472 473 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 473 474 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 471 472 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 472 473 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 473 474 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *250 Travata 539 537*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 539 537 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 539 537 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *250 Travata 2396 2397*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2396 2397 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2396 2397 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *251 Travata 405 413*

Nodo	x	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[m]	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 405 413 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 405 413 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *253 Travata 2458 641*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2458 641 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2458 641 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *26 Travata 479 480*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 479 480 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 479 480 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *26 Travata 480 481*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 480 481 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 480 481 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *26 Travata 481 482*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 481 482 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 481 482 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *260 Travata 2447 634*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2447 634 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2447 634 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *265 Travata 686 2505*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 686 2505 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 686 2505 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *267 Travata 2407 455*

Nodo	x	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[m]	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 2407 455 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2407 455 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *268 Travata 2404 2402 2400*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2404 2402 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2402 2400 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2404 2402 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2402 2400 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *269 Travata 2505 684*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2505 684 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2505 684 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *27 Travata 483 484 485 486*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 483 484 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 484 485 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 485 486 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 483 484 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 484 485 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 485 486 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *274 Travata 2497 676*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2497 676 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2497 676 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *279 Travata 678 2497*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 678 2497 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 678 2497 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *28 Travata 491 492*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 491 492 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 491 492 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *28 Travata 492 493*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 492 493 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 492 493 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *28 Travata 493 494*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 493 494 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 493 494 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *283 Travata 628 2447*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 628 2447 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 628 2447 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *286 Travata 331 2360 2362 2364 2367*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 331 2360 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2360 2362 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2362 2364 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2364 2367 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 331 2360 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2360 2362 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2362 2364 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2364 2367 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *287 Travata 163 2272 2274 2276 2278*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 163 2272 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2272 2274 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2274 2276 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2276 2278 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 163 2272 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2272 2274 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2274 2276 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2276 2278 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *288 Travata 141 2263 2266 2268 2270*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 141 2263 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2263 2266 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2266 2268 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2268 2270 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 141 2263 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2263 2266 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2266 2268 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2268 2270 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *289 Travata 121 2248 2250 2252*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 121 2248 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2248 2250 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2250 2252 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 121 2248 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2248 2250 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2250 2252 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *29 Travata 495 496 497 498*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 495 496 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 496 497 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 497 498 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 495 496 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 496 497 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 497 498 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *290 Travata 125 2254*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 125 2254 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 125 2254 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *291 Travata 164 2273*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 164 2273 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 164 2273 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *292 Travata 369 2376 2378 2380*

Nodo	x [m]	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 369 2376 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2376 2378 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2378 2380 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 369 2376 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2376 2378 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2378 2380 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *293 Travata 374 2383 2381 2379*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 374 2383 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2383 2381 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2381 2379 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 374 2383 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2383 2381 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2381 2379 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *294 Travata 2377 370 2375 2374 2373*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2377 370 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 370 2375 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2375 2374 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2374 2373 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2377 370 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 370 2375 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2375 2374 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2374 2373 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *295 Travata 2372 354 2368 2365 2363 2361*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2372 354 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 354 2368 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2368 2365 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2365 2363 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2363 2361 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2372 354 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 354 2368 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2368 2365 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2365 2363 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2363 2361 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *296 Travata 332 2358 2356 2354 2352*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 332 2358 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2358 2356 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2356 2354 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2354 2352 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 332 2358 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2358 2356 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2356 2354 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2354 2352 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *297 Travata 200 2289 2286 2283 2280*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 200 2289 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2289 2286 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2286 2283 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2283 2280 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 200 2289 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2289 2286 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2286 2283 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2283 2280 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *298 Travata 2342 284*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2342 284 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2342 284 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *299 Travata 371 2382*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 371 2382 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 371 2382 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *3 Travata 123 2244 2245 2246 2247 124*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 123 2244 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2244 2245 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2245 2246 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2246 2247 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2247 124 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 123 2244 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2244 2245 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2245 2246 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2246 2247 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2247 124 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *30 Travata 503 504*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 503 504 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 503 504 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *30 Travata 504 505*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 504 505 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 504 505 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *30 Travata 505 506*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 505 506 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 505 506 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *300 Travata 307 2353 2355 2357 2359 331*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 307 2353 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2353 2355 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2355 2357 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2357 2359 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2359 331 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 307 2353 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2353 2355 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2355 2357 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2357 2359 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2359 331 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *301 Travata 2342 2345 2348 2351 307*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2342 2345 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2345 2348 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2348 2351 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2351 307 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2342 2345 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2345 2348 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2348 2351 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2351 307 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *302 Travata 2280 187*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2280 187 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2280 187 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *303 Travata 188 2352*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 188 2352 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 188 2352 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *304 Travata 332 2361*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 332 2361 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 332 2361 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *305 Travata 560 556*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 560 556 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 560 556 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *305 Travata 2372 2373*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2372 2373 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2372 2373 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *306 Travata 573 571*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 573 571 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 573 571 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *306 Travata 2377 2379*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2377 2379 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2377 2379 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *307 Travata 450 452*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 450 452 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 450 452 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *307 Travata 2382 2380*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2382 2380 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2382 2380 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *308 Travata 592 584*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 592 584 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 592 584 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *308 Travata 124 2249 2251 2253 2255 126 2256 2257 2258 2259 142 2264 2267 2269 2271 164*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 124 2249 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2249 2251 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2251 2253 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2253 2255 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2255 126 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 126 2256 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2256 2257 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2257 2258 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2258 2259 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2259 142 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 142 2264 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2264 2267 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2267 2269 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2269 2271 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2271 164 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 124 2249 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2249 2251 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2251 2253 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2253 2255 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2255 126 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 126 2256 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2256 2257 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2257 2258 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2258 2259 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2259 142 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 142 2264 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2264 2267 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2267 2269 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2269 2271 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2271 164 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *309 Travata 414 432*

Nodo	x [m]	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 414 432 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 414 432 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *309 Travata 2273 2275 2277 2279 184*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2273 2275 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2275 2277 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2277 2279 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2279 184 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2273 2275 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2275 2277 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2277 2279 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2279 184 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *31 Travata 507 508 509 510*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 507 508 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 508 509 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 509 510 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 507 508 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 508 509 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 509 510 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *310 Travata 418 420*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 418 420 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 418 420 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *310 Travata 2254 2252*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2254 2252 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2254 2252 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *311 Travata 397 405*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 397 405 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 397 405 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *311 Travata 163 2270*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 163 2270 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 163 2270 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *312 Travata 446 448*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 446 448 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 446 448 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *312 Travata 187 2278*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 187 2278 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 187 2278 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *313 Travata 447 449*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 447 449 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 447 449 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *313 Travata 353 2367*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 353 2367 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 353 2367 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *314 Travata 543 541*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 543 541 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 543 541 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *314 Travata 575 2424*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 575 2424 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 575 2424 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *315 Travata 429 433*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 429 433 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 429 433 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *316 Travata 449 451*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 449 451 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 449 451 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *317 Travata 542 540*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 542 540 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 542 540 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *318 Travata 591 583*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 591 583 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 591 583 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *319 Travata 572 570*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 572 570 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 572 570 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *32 Travata 515 516*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 515 516 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 515 516 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *32 Travata 516 517*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 516 517 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 516 517 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *32 Travata 517 518*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 517 518 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 517 518 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *320 Travata 436 442*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 436 442 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 436 442 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *321 Travata 413 431*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 413 431 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 413 431 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *322 Travata 406 414*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 406 414 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 406 414 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *323 Travata 541 539*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 541 539 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 541 539 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *324 Travata 555 553*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 555 553 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 555 553 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *325 Travata 576 558*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 576 558 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 576 558 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *326 Travata 430 434*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 430 434 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 430 434 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *327 Travata 433 435*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 433 435 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 433 435 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *328 Travata 419 437*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 419 437 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 419 437 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *33 Travata 519 520 521 523*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 519 520 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 520 521 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 521 523 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 519 520 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 520 521 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 521 523 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *332 Travata 445 2400*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 445 2400 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 445 2400 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *336 Travata 180 174*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 180 174 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 180 174 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *338 Travata 375 361*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 375 361 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 375 361 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *339 Travata 376 380*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 376 380 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 376 380 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *34 Travata 527 528*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 527 528 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 527 528 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *34 Travata 528 529*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 528 529 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 528 529 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *34 Travata 529 530*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 529 530 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 529 530 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *340 Travata 297 289*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 297 289 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 297 289 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *341 Travata 315 309*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 315 309 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 315 309 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *344 Travata 165 173*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 165 173 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 165 173 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *345 Travata 336 362*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 336 362 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 336 362 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *348 Travata 316 322*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 316 322 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 316 322 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *35 Travata 531 532 533 535*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 531 532 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 532 533 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 533 535 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 531 532 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 532 533 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 533 535 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *350 Travata 2397 2398 2399*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2397 2398 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2398 2399 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2397 2398 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2398 2399 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *351 Travata 2425 2426 2427*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2425 2426 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2426 2427 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2425 2426 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2426 2427 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *352 Travata 2419 2421*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2419 2421 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2419 2421 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *353 Travata 2423 543*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2423 543 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2423 543 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *354 Travata 133 159*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 133 159 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 133 159 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *354 Travata 2427 577*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2427 577 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2427 577 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *355 Travata 298 310*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 298 310 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 298 310 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *36 Travata 561 562 563 564*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 561 562 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 562 563 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 563 564 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 561 562 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 562 563 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 563 564 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *361 Travata 321 315*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 321 315 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 321 315 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *363 Travata 179 185*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 179 185 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 179 185 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *369 Travata 311 283*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 311 283 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 311 283 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *37 Travata 585 586 587 588*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 585 586 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 586 587 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 587 588 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 585 586 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 586 587 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 587 588 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *370 Travata 362 376*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 362 376 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 362 376 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *374 Travata 290 298*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 290 298 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 290 298 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *375 Travata 2462 645*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2462 645 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2462 645 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *376 Travata 335 311*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 335 311 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 335 311 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *377 Travata 184 160*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 184 160 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 184 160 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *379 Travata 186 180*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 186 180 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 186 180 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *38 Travata 605 606 607 608*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 605 606 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 606 607 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 607 608 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 605 606 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 606 607 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 607 608 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *380 Travata 183 199*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 183 199 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 183 199 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *381 Travata 2512 687*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2512 687 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2512 687 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *382 Travata 309 297*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 309 297 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 309 297 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *382 Travata 2504 683*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2504 683 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2504 683 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *383 Travata 2500 679*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2500 679 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2500 679 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *384 Travata 2496 675*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2496 675 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2496 675 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *385 Travata 198 186*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 198 186 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 198 186 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *39 Travata 609 2429 610*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 609 2429 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2429 610 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 609 2429 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2429 610 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *390 Travata 412 2396*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 412 2396 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 412 2396 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *394 Travata 640 2459 642*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 640 2459 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2459 642 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da	A	Dx	V	τ_V	σ_{Stf}	Staffe

[m]	[m]	[m]	[kN]	[MPa]	[MPa]

Trave 640 2459 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2459 642 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *40 Travata 611 2431 612*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 611 2431 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2431 612 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 611 2431 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2431 612 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *403 Travata 589 567*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 589 567 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 589 567 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *404 Travata 421 439*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 421 439 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 421 439 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *405 Travata 434 418*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 434 418 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 434 418 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *406 Travata 437 441*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 437 441 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 437 441 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *407 Travata 385 399*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 385 399 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 385 399 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *407 Travata 627 2446 633*

Nodo	x	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[m]	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]

Trave 627 2446 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2446 633 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 627 2446 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2446 633 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *408 Travata 567 549*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 567 549 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 567 549 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *409 Travata 561 557*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 561 557 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 561 557 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *41 Travata 613 2433 614*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 613 2433 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2433 614 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 613 2433 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2433 614 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *410 Travata 546 568*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 546 568 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 546 568 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *411 Travata 531 538*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 531 538 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 531 538 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *412 Travata 605 603*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 605 603 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 605 603 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *412 Travata 2454 637*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2454 637 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2454 637 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *413 Travata 548 552*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 548 552 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 548 552 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *414 Travata 381 385*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 381 385 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 381 385 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *415 Travata 538 548*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 538 548 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 538 548 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *416 Travata 431 437*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 431 437 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 431 437 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *416 Travata 636 2455*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 636 2455 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 636 2455 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *417 Travata 400 386*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 400 386 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 400 386 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *417 Travata 2463 646*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2463 646 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2463 646 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *418 Travata 541 528*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 541 528 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 541 528 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *419 Travata 447 456*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 447 456 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 447 456 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *42 Travata 615 2435 616*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 615 2435 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2435 616 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 615 2435 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2435 616 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *420 Travata 417 433*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 417 433 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 417 433 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *420 Travata 644 2463*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 644 2463 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 644 2463 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *421 Travata 572 584*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 572 584 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 572 584 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *422 Travata 585 583*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 585 583 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 585 583 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *423 Travata 556 572*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 556 572 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 556 572 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *423 Travata 694 2513*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 694 2513 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 694 2513 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *424 Travata 568 590*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 568 590 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 568 590 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *425 Travata 442 438*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 442 438 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 442 438 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *426 Travata 439 453*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 439 453 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 439 453 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *427 Travata 405 417*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 405 417 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 405 417 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *428 Travata 418 406*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 418 406 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 418 406 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *428 Travata 2340 2344*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2340 2344 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2340 2344 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *429 Travata 537 530*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 537 530 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 537 530 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *429 Travata 146 2260*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 146 2260 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 146 2260 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *43 Travata 617 2437 618*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 617 2437 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2437 618 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 617 2437 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2437 618 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *430 Travata 399 421*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 399 421 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 399 421 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *431 Travata 604 608*

Nodo	x	A_{fe}	A_{fi}	(A_{fT})	q_T	M_{rif}	M_e	M_i	σ_{be}	σ_{bi}	σ_{fe}	σ_{fi}

	[m]	[mm²]	[mm²]	[mm²]	[kN/m]	[kNm]	[kNm]	[kNm]	[MPa]	[MPa]	[MPa]	[MPa]
Trave 604 608 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 604 608 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *44 Travata 619 2439 620*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 619 2439 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2439 620 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 619 2439 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2439 620 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *444 Travata 2287 2291*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 2287 2291 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 2287 2291 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						

- Travata: *447 Travata 183 187 189 191 193 195 197*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 159 163 169 175 177 181 185
- 133 141 149 151 157 171 179
- 119 125 131 139 147 161 173
- 120 126 132 140 148 162 174
- 134 142 150 152 158 172 180
- 160 164 170 176 178 182 186
- 336 332 326 320 318 314 310
- 362 354 346 344 338 324 316
- 376 370 364 356 348 334 322
- 375 369 363 355 347 333 321
- 361 353 345 343 337 323 315
- 335 331 325 319 317 313 309
- 311 307 305 303 301 299 297

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 400x500 [mm] tr1																
183	0.05	804	1005			4.11	131.58	0.13	-11.46	-162.28	0.14					
					S.L.E. Rare	0.15			-8.28			0.61	0.01	5.37	20.77	
					S.L.E. Freq.	0.15			-8.28			0.61	0.01	5.37	20.77	0.0191
					S.L.E. Q.P.	0.12			-6.88			0.51	0.01	4.47	17.26	0.0159
Camp.	0.75	804	1005	114.61	0.31	53.68	131.58	0.13	-0.02	-162.28	0.14					
					S.L.E. Rare	23.98			-0.01			0.00	1.86	74.58	14.96	

					S.L.E. Freq.	23.98			-0.01			0.00	1.86	74.58	14.96	0.0161
					S.L.E. Q.P.	20.17			-0.01			0.00	1.56	62.73	12.59	0.0135
187	1.45	804	1005			122.32	131.58	0.13	0.00	-162.28	0.14					
					S.L.E. Rare	88.68			0.00			0.00	6.88	275.81	55.34	
					S.L.E. Freq.	88.68			0.00			0.00	6.88	275.81	55.34	0.0594
					S.L.E. Q.P.	74.60			0.00			0.00	5.78	232.02	46.56	0.0500
Trave Sez. 1 Rett. 400x500 [mm] tr1																
187	0.20	804	1005			67.37	131.58	0.13	-77.74	-162.28	0.14					
					S.L.E. Rare	18.58			-57.85			4.26	1.44	57.78	145.11	
					S.L.E. Freq.	19.97			-57.20			4.21	1.55	62.12	143.50	0.1337
					S.L.E. Q.P.	18.32			-54.18			3.99	1.42	56.98	135.91	0.1250
Camp.	0.80	804	1005	106.37	0.27	32.26	131.58	0.13	-33.52	-162.28	0.14					
					S.L.E. Rare	9.36			-6.00			0.44	0.73	29.10	15.06	
					S.L.E. Freq.	9.78			-5.84			0.43	0.76	30.42	14.66	0.0135
					S.L.E. Q.P.	8.74			-4.88			0.36	0.68	27.17	12.25	0.0113
189	1.40	804	1005			109.46	131.58	0.13	-33.06	-162.28	0.14					
					S.L.E. Rare	81.04			0.00			0.00	6.28	252.05	50.57	
					S.L.E. Freq.	80.56			0.00			0.00	6.25	250.57	50.28	0.0540
					S.L.E. Q.P.	72.81			0.00			0.00	5.65	226.47	45.44	0.0488
Trave 189 191 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																
Trave 191 193 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																
Trave Sez. 1 Rett. 400x500 [mm] tr1																
193	0.00	804	1206			32.46	131.58	0.13	-129.83	-192.83	0.16					
					S.L.E. Rare	0.00			-97.70			6.75	0.00	62.57	205.70	
					S.L.E. Freq.	0.00			-100.68			6.96	0.00	64.48	211.98	0.2333
					S.L.E. Q.P.	0.00			-93.86			6.49	0.00	60.10	197.61	0.2130
Camp.	1.27	804	804	81.65	0.62	0.00	131.59	0.13	-79.22	-131.59	0.13					
					S.L.E. Rare	0.00			-44.83			3.58	0.00	29.39	139.47	
					S.L.E. Freq.	0.00			-45.84			3.66	0.00	30.05	142.60	0.1467
					S.L.E. Q.P.	0.00			-41.66			3.33	0.00	27.31	129.60	0.1334
195	2.55	1005	804			146.74	162.28	0.14	0.00	-131.58	0.13					
					S.L.E. Rare	107.43			0.00			0.00	7.91	269.50	69.73	
					S.L.E. Freq.	108.18			0.00			0.00	7.97	271.37	70.22	0.0621
					S.L.E. Q.P.	93.72			0.00			0.00	6.90	235.11	60.84	0.0538
Trave Sez. 1 Rett. 400x500 [mm] tr1																
195	0.20	1005	804			133.87	162.28	0.14	0.00	-131.58	0.13					
					S.L.E. Rare	97.31			0.00			0.00	7.17	244.12	63.16	
					S.L.E. Freq.	97.31			0.00			0.00	7.17	244.12	63.16	0.0558
					S.L.E. Q.P.	82.58			0.00			0.00	6.08	207.15	53.60	0.0474
Camp.	1.18	804	804	69.11	0.33	49.87	131.59	0.13	-0.12	-131.59	0.13					
					S.L.E. Rare	24.96			-0.09			0.01	2.00	77.64	16.36	
					S.L.E. Freq.	24.96			-0.09			0.01	2.00	77.64	16.36	0.0168
					S.L.E. Q.P.	21.19			-0.07			0.01	1.69	65.92	13.89	0.0143
197	2.15	804	804			2.20	131.59	0.13	-0.31	-131.59	0.13					
					S.L.E. Rare	0.11			-0.16			0.01	0.01	0.33	0.51	
					S.L.E. Freq.	0.11			-0.16			0.01	0.01	0.33	0.51	0.0005
					S.L.E. Q.P.	0.09			-0.14			0.01	0.01	0.28	0.43	0.0004

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 183 187 Sez. 1 Rett. 400x500 [mm] tr1							
0.05	1.45	1.40	265.03	89.65	637.02	315.80	ø 8 4br. 100'
Trave 187 189 Sez. 1 Rett. 400x500 [mm] tr1							
0.20	1.40	1.19	285.11	89.65	637.02	315.80	ø 8 4br. 100'
Trave 189 191 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**							
Trave 191 193 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**							
Trave 193 195 Sez. 1 Rett. 400x500 [mm] tr1							
0.00	0.60	0.60	174.04	92.43	637.02	315.80	ø 8 4br. 100'

0.60	1.95	1.35	168.54	83.22	637.02	210.54	ø 8 4br. 150'
1.95	2.55	0.60	210.42	83.22	637.02	315.80	ø 8 4br. 100'

Trave 195 197 Sez. 1 Rett. 400x500 [mm] tr1

0.20	2.15	1.95	189.66	83.22	637.02	315.80	ø 8 4br. 100'

- Travata: *45 Travata 621 2441 622*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 621 2441 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2441 622 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 621 2441 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2441 622 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *461 Travata 347 2366*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 347 2366 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 347 2366 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *462 Travata 188 306 304 302 300 298*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 184 190 192 194 196 198

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]					
Trave 188 306 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																	
Trave 306 304 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																	
Trave 304 302 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**																	
Trave Sez. 1 Rett. 400x500 [mm] tr1																	
302	0.00	804	1005			28.59	131.58	0.13	-114.38	-162.28	0.14						
					S.L.E. Rare	0.00			-83.45			6.15	0.00	54.17	209.34		
					S.L.E. Freq.	0.00			-85.99			6.33	0.00	55.82	215.71	0.2443	
					S.L.E. Q.P.	0.00			-81.74			6.02	0.00	53.06	205.05	0.2280	
Camp.	1.27	804	1005	79.82	0.60	0.00	131.58	0.13	-71.69	-162.28	0.14						
					S.L.E. Rare	0.00			-41.51			3.06	0.00	26.94	104.13		
					S.L.E. Freq.	0.00			-42.36			3.12	0.00	27.50	106.27	0.0977	
					S.L.E. Q.P.	0.00			-38.78			2.86	0.00	25.17	97.27	0.0894	
300	2.55	1005	1005			133.72	162.26	0.14	0.00	-162.26	0.14						
					S.L.E. Rare	98.05			0.00			0.00	7.00	245.79	60.75		
					S.L.E. Freq.	98.69			0.00			0.00	7.04	247.39	61.14	0.0564	
					S.L.E. Q.P.	85.93			0.00			0.00	6.13	215.40	53.23	0.0491	
Trave Sez. 1 Rett. 400x500 [mm] tr1																	
300	0.20	1005	1005			121.96	162.26	0.14	0.00	-162.26	0.14						
					S.L.E. Rare	88.70			0.00			0.00	6.33	222.36	54.96		
					S.L.E. Freq.	88.70			0.00			0.00	6.33	222.36	54.96	0.0507	
					S.L.E. Q.P.	75.42			0.00			0.00	5.38	189.06	46.73	0.0431	
Camp.	1.18	804	1005	64.01	0.31	43.98	131.58	0.13	-0.13	-162.28	0.14						
					S.L.E. Rare	21.74			-0.09			0.01	1.69	67.61	13.57		
					S.L.E. Freq.	21.74			-0.09			0.01	1.69	67.61	13.57	0.0146	
					S.L.E. Q.P.	18.51			-0.08			0.01	1.44	57.58	11.55	0.0124	
298	2.15	804	1005			2.30	131.58	0.13	-0.09	-162.28	0.14						

S.L.E. Rare	0.38	0.00	0.00	0.03	1.17	0.24	
S.L.E. Freq.	0.38	0.00	0.00	0.03	1.17	0.24	0.0003
S.L.E. Q.P.	0.32	0.00	0.00	0.02	0.98	0.20	0.0002

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 188 306 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 306 304 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 304 302 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 302 300 Sez. 1 Rett. 400x500 [mm] tr1						
0.00	0.60	0.60	184.51	89.65	637.02	315.80	ø 8 4br. 100'
0.60	1.95	1.35	155.90	89.65	637.02	210.54	ø 8 4br. 150'
1.95	2.55	0.60	195.29	89.65	637.02	315.80	ø 8 4br. 100'
Trave 300 298 Sez. 1 Rett. 400x500 [mm] tr1						
0.20	2.15	1.95	204.13	89.65	637.02	315.80	ø 8 4br. 100'

- Travata: *48 Travata 647 2466 648*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 647 2466 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2466 648 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 647 2466 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2466 648 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *49 Travata 649 2469 650*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 649 2469 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2469 650 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 649 2469 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2469 650 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *495 Travata 2260 2261 2262 2265 148*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 2260 2261 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2261 2262 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2262 2265 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2265 148 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 2260 2261 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2261 2262 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2262 2265 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2265 148 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						

- Travata: *496 Travata 2370 2371 349*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 2370 2371 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2371 349 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2370 2371 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2371 349 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *497 Travata 2347 2350 305*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 2347 2350 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2350 305 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 2347 2350 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 2350 305 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *50 Travata 651 2470 652*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 651 2470 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2470 652 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 651 2470 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2470 652 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *51 Travata 653 2473 654*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 653 2473 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2473 654 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 653 2473 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2473 654 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *52 Travata 655 2474 656*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 655 2474 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2474 656 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 655 2474 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2474 656 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *53 Travata 657 2477 658*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 657 2477 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2477 658 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 657 2477 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2477 658 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *54 Travata 659 2478 660*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 659 2478 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2478 660 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 659 2478 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2478 660 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *55 Travata 661 2481 662*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 661 2481 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2481 662 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 661 2481 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2481 662 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *56 Travata 663 2482 664*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 663 2482 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2482 664 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 663 2482 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2482 664 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *57 Travata 665 2485 666*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 665 2485 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2485 666 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 665 2485 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2485 666 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *58 Travata 667 2486 668*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 667 2486 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2486 668 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 667 2486 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2486 668 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *59 Travata 669 2489 670*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 669 2489 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2489 670 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 669 2489 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Trave 2489 670 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *60 Travata 671 2490 672*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 671 2490 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2490 672 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 671 2490 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2490 672 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *61 Travata 673 2493 674*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 673 2493 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2493 674 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 673 2493 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2493 674 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *66 Travata 199 213 227 241 255 269 283*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 199 213 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 213 227 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 227 241 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 241 255 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 255 269 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 269 283 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 199 213 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 213 227 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 227 241 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 241 255 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 255 269 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 269 283 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *67 Travata 205 219 233 247 261 275 289*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 205 219 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 219 233 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 233 247 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 247 261 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 261 275 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 275 289 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 205 219 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 219 233 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 233 247 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 247 261 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 261 275 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 275 289 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: ***68 Travata 200 2292 2294 2296 2298 214 2300 2302 2304 2306 228 2308 2310 2312 2314 242 2316 2318 2320 2322 256 2324 2326 2328 2330 270 2332 2334 2336 2338 284***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 200 2292 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2292 2294 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2294 2296 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2296 2298 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2298 214 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 214 2300 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2300 2302 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2302 2304 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2304 2306 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2306 228 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 228 2308 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2308 2310 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2310 2312 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2312 2314 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2314 242 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 242 2316 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2316 2318 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2318 2320 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2320 2322 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2322 256 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 256 2324 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2324 2326 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2326 2328 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2328 2330 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2330 270 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 270 2332 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2332 2334 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2334 2336 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2336 2338 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												
Trave 2338 284 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 200 2292 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2292 2294 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2294 2296 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2296 2298 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2298 214 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 214 2300 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2300 2302 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2302 2304 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2304 2306 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2306 228 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 228 2308 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2308 2310 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2310 2312 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2312 2314 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2314 242 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 242 2316 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2316 2318 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2318 2320 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2320 2322 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2322 256 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 256 2324 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2324 2326 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						
Trave 2326 2328 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**						

Trave 2328 2330 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2330 270 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 270 2332 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2332 2334 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2334 2336 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2336 2338 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 2338 284 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *71 Travata 378 372 366 358 350 340 328*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 115 121 127 135 143 153 165
- 116 122 128 136 144 154 166
- 117 123 129 137 145 155 167
- 118 124 130 138 146 156 168
- 380 374 368 360 352 342 330
- 379 373 367 359 351 341 329
- 377 371 365 357 349 339 327

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 400x500 [mm] tr1																
378	0.05	804	804			3.84	131.59	0.13	-0.39	-131.59	0.13					
					S.L.E. Rare	0.14			-0.20			0.02	0.01	0.45	0.61	
					S.L.E. Freq.	0.14			-0.20			0.02	0.01	0.45	0.61	0.0006
					S.L.E. Q.P.	0.12			-0.17			0.01	0.01	0.37	0.51	0.0005
Camp.	0.75	804	804	111.08	0.30	52.19	131.59	0.13	-0.02	-131.59	0.13					
					S.L.E. Rare	23.28			-0.01			0.00	1.86	72.42	15.26	
					S.L.E. Freq.	23.28			-0.01			0.00	1.86	72.42	15.26	0.0157
					S.L.E. Q.P.	19.59			-0.01			0.00	1.57	60.94	12.84	0.0132
372	1.45	804	804			119.34	131.59	0.13	0.00	-131.59	0.13					
					S.L.E. Rare	86.53			0.00			0.00	6.92	269.17	56.71	
					S.L.E. Freq.	86.53			0.00			0.00	6.92	269.17	56.71	0.0584
					S.L.E. Q.P.	72.81			0.00			0.00	5.82	226.50	47.72	0.0491
Trave Sez. 1 Rett. 400x500 [mm] tr1																
372	0.20	804	804			53.23	131.59	0.13	-36.13	-131.59	0.13					
					S.L.E. Rare	11.93			-24.75			1.98	0.95	37.12	77.00	
					S.L.E. Freq.	15.12			-22.07			1.76	1.21	47.05	68.64	0.0706
					S.L.E. Q.P.	13.22			-21.26			1.70	1.06	41.12	66.13	0.0680
Camp.	0.90	804	804	111.08	0.28	43.14	131.59	0.13	-10.37	-131.59	0.13					
					S.L.E. Rare	16.35			0.00			0.00	1.31	50.87	10.72	
					S.L.E. Freq.	16.48			0.00			0.00	1.32	51.26	10.80	0.0111
					S.L.E. Q.P.	14.88			0.00			0.00	1.19	46.28	9.75	0.0100
366	1.60	804	804			112.49	131.59	0.13	-16.56	-131.59	0.13					
					S.L.E. Rare	82.51			0.00			0.00	6.60	256.66	54.08	
					S.L.E. Freq.	80.82			0.00			0.00	6.46	251.42	52.97	0.0545
					S.L.E. Q.P.	72.97			0.00			0.00	5.83	226.99	47.83	0.0492

Trave 366 358 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave 358 350 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**
Trave Sez. 1 Rett. 400x500 [mm] tr1

350	0.00	1005	1206			33.54	162.24	0.14	-134.18	-192.84	0.15					
					S.L.E. Rare	0.00			-101.10			6.77	0.00	61.91	212.61	
					S.L.E. Freq.	0.00			-105.17			7.04	0.00	64.40	221.16	0.2466
					S.L.E. Q.P.	0.00			-98.06			6.56	0.00	60.04	206.20	0.2254

Camp.	1.28	1005	804	111.08	0.84	3.79	162.28	0.14	-74.25	-131.58	0.13					
					S.L.E. Rare	0.00			-40.95			3.17	0.00	25.55	127.35	
					S.L.E. Freq.	0.00			-42.00			3.26	0.00	26.21	130.62	0.1349
					S.L.E. Q.P.	0.00			-38.46			2.98	0.00	24.00	119.62	0.1235
340	2.55	1608	804			218.76	253.29	0.19	0.00	-131.56	0.13					
					S.L.E. Rare	159.48			0.00			0.00	10.03	254.96	99.26	
					S.L.E. Freq.	160.54			0.00			0.00	10.09	256.66	99.92	0.0664
					S.L.E. Q.P.	137.26			0.00			0.00	8.63	219.43	85.43	0.0568
Trave Sez. 1 Rett. 400x500 [mm] tr1																
340	0.20	1608	804			222.23	253.29	0.19	0.00	-131.56	0.13					
					S.L.E. Rare	161.14			0.00			0.00	10.13	257.61	100.29	
					S.L.E. Freq.	161.14			0.00			0.00	10.13	257.61	100.29	0.0667
					S.L.E. Q.P.	135.63			0.00			0.00	8.53	216.83	84.41	0.0561
Camp.	1.18	1005	804	111.08	0.54	84.42	162.28	0.14	-0.19	-131.58	0.13					
					S.L.E. Rare	42.36			-0.14			0.01	3.12	106.27	27.50	
					S.L.E. Freq.	42.36			-0.14			0.01	3.12	106.27	27.50	0.0243
					S.L.E. Q.P.	35.66			-0.12			0.01	2.63	89.45	23.14	0.0205
328	2.15	1005	804			3.76	162.28	0.14	-0.42	-131.58	0.13					
					S.L.E. Rare	0.18			-0.26			0.02	0.01	0.46	0.81	
					S.L.E. Freq.	0.18			-0.26			0.02	0.01	0.46	0.81	0.0008
					S.L.E. Q.P.	0.16			-0.22			0.02	0.01	0.39	0.68	0.0007

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 378 372 Sez. 1 Rett. 400x500 [mm] tr1							
0.05	1.45	1.40	240.53	83.22	637.02	315.80	ø 8 4br. 100'
Trave 372 366 Sez. 1 Rett. 400x500 [mm] tr1							
0.20	1.60	1.40	242.23	83.22	637.02	315.80	ø 8 4br. 100'
Trave 366 358 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**							
Trave 358 350 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**							
Trave 350 340 Sez. 1 Rett. 400x500 [mm] tr1							
0.00	2.55	2.55	279.98	83.22	637.02	315.80	ø 8 4br. 100'
Trave 340 328 Sez. 1 Rett. 400x500 [mm] tr1							
0.20	2.15	1.95	258.39	83.22	637.02	315.80	ø 8 4br. 100'

- Travata: *76 Travata 206 220 234 248 262 276 290*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 206 220 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 220 234 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 234 248 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 248 262 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 262 276 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 276 290 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 206 220 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 220 234 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 234 248 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 248 262 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 262 276 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 276 290 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *771 Travata 560 568*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 574 590
- 592 604
- 596 608
- 595 607
- 594 606
- 593 605
- 591 603
- 573 589
- 559 567
- 543 549
- 527 525
- 515 513
- 503 501
- 491 489
- 479 477
- 467 465
- 455 453
- 445 439
- 429 421
- 415 399
- 397 385
- 393 381
- 394 382
- 395 383
- 396 384
- 398 386
- 416 400
- 430 422

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 400x500 [mm] tr1																
560	0.00	1608	1005			215.97	253.57	0.18	-20.29	-162.21	0.14					
					S.L.E. Rare	159.53			0.00			0.00	9.71	254.55	95.16	
					S.L.E. Freq.	151.32			0.00			0.00	9.21	241.44	90.27	0.0627
					S.L.E. Q.P.	138.43			0.00			0.00	8.42	220.87	82.57	0.0574
Camp.	1.60	1206	1005	115.01	1.21	182.84	192.84	0.15	-1.18	-162.24	0.14					
					S.L.E. Rare	138.30			-0.87			0.06	9.26	290.84	84.68	
					S.L.E. Freq.	138.30			-0.87			0.06	9.26	290.84	84.68	0.0696
					S.L.E. Q.P.	132.20			-0.79			0.05	8.85	278.01	80.95	0.0666
568	3.20	1206	1005			5.85	192.84	0.15	-0.40	-162.24	0.14					
					S.L.E. Rare	0.17			-0.10			0.01	0.01	0.37	0.24	
					S.L.E. Freq.	0.17			-0.08			0.01	0.01	0.37	0.20	0.0002

		S.L.E. Q.P.	0.17		-0.08		0.01	0.01	0.35	0.19	0.0002

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 560 568 Sez. 1 Rett. 400x500 [mm] tr1							
0.00	3.20	3.20	252.57	89.65	637.02	315.80	ø 8 4br. 100'

- Travata: *78 Travata 489 501*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 489 501 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 489 501 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *78 Travata 453 465*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 453 465 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 453 465 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *78 Travata 465 477*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 465 477 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 465 477 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *78 Travata 477 489*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 477 489 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 477 489 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *78 Travata 501 513*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 501 513 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 501 513 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *78 Travata 513 525*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 513 525 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 513 525 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: ***79 Travata 456 468 480 492 504 516 528***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 456 468 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 468 480 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 480 492 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 492 504 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 504 516 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 516 528 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 456 468 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 468 480 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 480 492 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 492 504 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 504 516 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 516 528 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: ***79 Travata 184 2282 2285 2288 2290 210 2293 2295 2297 2299 224 2301 2303 2305 2307 238 2309 2311 2313 2315 252 2317 2319 2321 2323 266 2325 2327 2329 2331 280 2333 2335 2337 2339 294 2341 2343 2346 2349 188***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 184 2282 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2282 2285 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2285 2288 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2288 2290 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2290 210 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 210 2293 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2293 2295 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2295 2297 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2297 2299 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2299 224 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 224 2301 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2301 2303 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2303 2305 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2305 2307 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2307 238 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 238 2309 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2309 2311 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2311 2313 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2313 2315 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2315 252 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 252 2317 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2317 2319 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2319 2321 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2321 2323 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2323 266 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 266 2325 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2325 2327 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2327 2329 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2329 2331 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2331 280 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 280 2333 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2333 2335 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2335 2337 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2337 2339 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 2339 294 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 294 2341 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Trave 2341 2343 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2343 2346 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2346 2349 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2349 188 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 184 2282 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2282 2285 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2285 2288 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2288 2290 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2290 210 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 210 2293 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2293 2295 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2295 2297 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2297 2299 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2299 224 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 224 2301 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2301 2303 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2303 2305 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2305 2307 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2307 238 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 238 2309 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2309 2311 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2311 2313 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2313 2315 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2315 252 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 252 2317 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2317 2319 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2319 2321 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2321 2323 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2323 266 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 266 2325 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2325 2327 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2327 2329 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2329 2331 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2331 280 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 280 2333 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2333 2335 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2335 2337 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2337 2339 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2339 294 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 294 2341 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2341 2343 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2343 2346 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2346 2349 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2349 188 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *8 Travata 234 235 236 237 238*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 206 207 208 209 210
- 220 221 222 223 224
- 248 249 250 251 252
- 262 263 264 265 266
- 276 277 278 279 280

- 290 291 292 293 294

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 400x500 [mm] tr1																
234	0.05	1005	1005			4.77	162.26	0.14	-0.38	-162.26	0.14					
					S.L.E. Rare	0.68			-0.23			0.02	0.05	1.71	0.57	
					S.L.E. Freq.	0.68			-0.23			0.02	0.05	1.71	0.57	0.0005
					S.L.E. Q.P.	0.57			-0.19			0.01	0.04	1.43	0.48	0.0004
Camp.	1.02	1005	1005	98.37	0.48	74.75	162.26	0.14	-0.17	-162.26	0.14					
					S.L.E. Rare	37.53			-0.12			0.01	2.68	94.08	23.25	
					S.L.E. Freq.	37.53			-0.12			0.01	2.68	94.08	23.25	0.0214
					S.L.E. Q.P.	31.64			-0.10			0.01	2.26	79.32	19.60	0.0181
235	2.00	1407	1005			196.80	223.29	0.17	0.00	-162.22	0.14					
					S.L.E. Rare	142.76			0.00			0.00	9.07	258.89	86.28	
					S.L.E. Freq.	142.76			0.00			0.00	9.07	258.89	86.28	0.0647
					S.L.E. Q.P.	120.36			0.00			0.00	7.65	218.26	72.74	0.0546
Trave Sez. 1 Rett. 400x500 [mm] tr1																
235	0.20	1407	1005			197.91	223.29	0.17	0.00	-162.22	0.14					
					S.L.E. Rare	144.36			0.00			0.00	9.17	261.78	87.25	
					S.L.E. Freq.	145.19			0.00			0.00	9.23	263.29	87.75	0.0658
					S.L.E. Q.P.	124.38			0.00			0.00	7.90	225.55	75.17	0.0564
Camp.	1.48	1005	1005	98.37	0.74	0.00	162.26	0.14	-74.83	-162.26	0.14					
					S.L.E. Rare	0.00			-40.42			2.89	0.00	25.04	101.32	
					S.L.E. Freq.	0.00			-41.63			2.97	0.00	25.79	104.36	0.0963
					S.L.E. Q.P.	0.00			-38.15			2.72	0.00	23.63	95.63	0.0882
236	2.75	1005	1206			34.40	162.24	0.14	-137.58	-192.84	0.15					
					S.L.E. Rare	0.00			-103.29			6.92	0.00	63.25	217.22	
					S.L.E. Freq.	0.00			-106.81			7.15	0.00	65.40	224.62	0.2515
					S.L.E. Q.P.	0.00			-98.80			6.61	0.00	60.50	207.78	0.2276

Trave 236 237 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 237 238 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 234 235 Sez. 1 Rett. 400x500 [mm] tr1							
0.05	2.00	1.95	251.86	89.65	637.02	315.80	ø 8 4br. 100'
Trave 235 236 Sez. 1 Rett. 400x500 [mm] tr1							
0.20	2.75	2.55	256.94	89.65	637.02	315.80	ø 8 4br. 100'

Trave 236 237 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Trave 237 238 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *80 Travata 458 470 482 494 506 518 530*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 458 470 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 470 482 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 482 494 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 494 506 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 506 518 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 518 530 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 458 470 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 470 482 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 482 494 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 494 506 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 506 518 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 518 530 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

- Travata: *81 Travata 393 401*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 393 401 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 393 401 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *81 Travata 401 409*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 401 409 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 401 409 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *81 Travata 409 425*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 409 425 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 409 425 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *82 Travata 577 561*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 577 561 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 577 561 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *82 Travata 585 577*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 585 577 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 585 577 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *82 Travata 593 585*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 593 585 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 593 585 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *83 Travata 394 402*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 394 402 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 394 402 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *83 Travata 402 410*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 402 410 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 402 410 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *83 Travata 410 426*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 410 426 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 410 426 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *84 Travata 578 562*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 578 562 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 578 562 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *84 Travata 586 578*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 586 578 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 586 578 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *84 Travata 594 586*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 594 586 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 594 586 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *85 Travata 395 403*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 395 403 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 395 403 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *85 Travata 403 411*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 403 411 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 403 411 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *85 Travata 411 427*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 411 427 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 411 427 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *86 Travata 579 563*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 579 563 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 579 563 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *86 Travata 587 579*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 587 579 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 587 579 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *86 Travata 595 587*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 595 587 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 595 587 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *87 Travata 396 404*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 396 404 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 396 404 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *87 Travata 404 412*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 404 412 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 404 412 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *87 Travata 412 428*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 412 428 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 412 428 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *88 Travata 580 564*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 580 564 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 580 564 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**

- Travata: *88 Travata 588 580*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 588 580 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 588 580 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *88 Travata 596 588*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 596 588 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 596 588 Sez. 102 Rett. 400x500 [mm] cordolo_setti **TRAVE AUSILIARIA**

- Travata: *89 Travata 459 471 483 495 507 519 531*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 459 471 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 471 483 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 483 495 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 495 507 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 507 519 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 519 531 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 459 471 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 471 483 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 483 495 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 495 507 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 507 519 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 519 531 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *90 Travata 461 473 485 497 509 521 533*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 461 473 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 473 485 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 485 497 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 497 509 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 509 521 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 521 533 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 461 473 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 473 485 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 485 497 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 497 509 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Trave 509 521 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 521 533 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *93 Travata 444 2401 2403 2405 2406 462 2408 2409 2410 2411 474 486 498 510 523 2412 2413 2414 2415 535 2417 2418 2420 2422 546*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]

Trave 444 2401 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2401 2403 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2403 2405 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2405 2406 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2406 462 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 462 2408 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2408 2409 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2409 2410 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2410 2411 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2411 474 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 474 486 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 486 498 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 498 510 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 510 523 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 523 2412 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2412 2413 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2413 2414 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2414 2415 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2415 535 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 535 2417 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2417 2418 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2418 2420 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2420 2422 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2422 546 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe

Trave 444 2401 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2401 2403 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2403 2405 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2405 2406 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2406 462 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 462 2408 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2408 2409 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2409 2410 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2410 2411 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2411 474 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 474 486 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 486 498 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 498 510 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 510 523 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 523 2412 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2412 2413 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2413 2414 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2414 2415 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2415 535 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 535 2417 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2417 2418 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2418 2420 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2420 2422 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**
Trave 2422 546 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**

- Travata: *96 Travata 623 2442 629*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 623 2442 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2442 629 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 623 2442 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2442 629 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *96 Travata 647 651*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 643 647
- 640 636
- 627 635
- 628 626
- 650 644
- 636 628
- 639 643
- 644 640
- 623 627
- 635 639
- 651 655
- 655 659
- 659 663
- 663 667
- 667 671
- 671 677
- 677 681
- 681 685
- 685 693
- 693 695
- 695 696
- 696 697
- 697 698
- 698 694
- 694 686
- 686 682
- 682 678

- 678 674
- 674 670
- 670 666
- 666 662
- 662 658
- 658 654
- 654 650
- 626 625
- 624 623
- 625 624

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 3 Rett. 200x400 [mm] seduta_sup																
647	0.20	804	804			43.93	95.46	0.21	-33.58	-95.46	0.21					
					S.L.E. Rare	12.87			-2.29			0.39	2.19	53.99	18.66	
					S.L.E. Freq.	10.59			-0.02			0.00	1.80	44.46	15.37	0.0110
					S.L.E. Q.P.	9.17			0.00			0.00	1.56	38.50	13.31	0.0096
Camp.	2.80	603	603	2.60	0.08	0.84	72.82	0.19	-6.52	-72.82	0.19					
					S.L.E. Rare	0.00			-4.39			0.87	0.00	6.98	24.33	
					S.L.E. Freq.	0.00			-4.35			0.86	0.00	6.90	24.08	0.0189
					S.L.E. Q.P.	0.00			-4.32			0.86	0.00	6.85	23.90	0.0187
651	5.40	804	804			43.92	95.46	0.21	-32.82	-95.46	0.21					
					S.L.E. Rare	13.06			-2.15			0.37	2.22	54.80	18.94	
					S.L.E. Freq.	9.53			-0.06			0.01	1.62	39.98	13.82	0.0099
					S.L.E. Q.P.	7.62			0.00			0.00	1.29	31.98	11.05	0.0079

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 647 651 Sez. 3 Rett. 200x400 [mm] seduta_sup							
0.20	0.80	0.60	41.91	46.54	247.10	163.33	ø 8 2br. 75'
0.80	4.80	4.00	40.71	42.40	247.10	61.25	ø 8 2br. 200'
4.80	5.40	0.60	41.91	46.54	247.10	163.33	ø 8 2br. 75'

- Travata: *97 Travata 689 2514 695*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	(A_{fT}) [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 689 2514 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2514 695 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 689 2514 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2514 695 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *97 Travata 648 652*

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 629 633
- 645 648
- 642 638

- 633 637
- 634 632
- 638 634
- 652 656
- 656 660
- 660 664
- 664 668
- 668 672
- 672 675
- 675 679
- 679 683
- 683 687
- 687 689
- 689 690
- 690 691
- 691 692
- 692 688
- 688 684
- 684 680
- 680 676
- 676 673
- 673 669
- 669 665
- 665 661
- 661 657
- 657 653
- 653 649
- 649 646
- 646 642
- 632 631
- 630 629
- 631 630
- 637 641
- 641 645

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 3 Rett. 200x400 [mm] seduta_sup																
648	0.20	804	804			45.21	95.46	0.21	-33.69	-95.46	0.21					

					S.L.E. Rare	12.38			-2.11			0.36	2.10	51.95	17.96	
					S.L.E. Freq.	9.89			-0.02			0.00	1.68	41.52	14.35	0.0103
					S.L.E. Q.P.	8.24			0.00			0.00	1.40	34.58	11.95	0.0086
Camp.	2.80	603	603	2.60	0.08	0.84	72.82	0.19	-6.62	-72.82	0.19					
					S.L.E. Rare	0.00			-4.39			0.87	0.00	6.98	24.33	
					S.L.E. Freq.	0.00			-4.35			0.86	0.00	6.91	24.08	0.0189
					S.L.E. Q.P.	0.00			-4.32			0.86	0.00	6.85	23.90	0.0187
652	5.40	804	804			43.70	95.46	0.21	-34.74	-95.46	0.21					
					S.L.E. Rare	11.82			-3.50			0.59	2.01	49.59	17.14	
					S.L.E. Freq.	8.62			-1.01			0.17	1.46	36.17	12.50	0.0090
					S.L.E. Q.P.	6.94			0.00			0.00	1.18	29.11	10.06	0.0072

Da [m]	A [m]	Dx [m]	VSd [kN]	Vrd_c [kN]	VRd_{max} [kN]	Vrd_s [kN]	Staffe
Trave 648 652 Sez. 3 Rett. 200x400 [mm] seduta_sup							
0.20	0.80	0.60	41.91	46.54	247.10	163.33	ø 8 2br. 75'
0.80	4.80	4.00	40.71	42.40	247.10	61.25	ø 8 2br. 200'
4.80	5.40	0.60	41.91	46.54	247.10	163.33	ø 8 2br. 75'

- Travata: *98 Travata 624 2443 630*

Nodo	x [m]	A_{fe} [mm^2]	A_{fi} [mm^2]	(A_{fT}) [mm^2]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 624 2443 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2443 630 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 624 2443 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2443 630 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

- Travata: *99 Travata 609 611 613 615 617 619 621*

Nodo	x [m]	A_{fe} [mm^2]	A_{fi} [mm^2]	(A_{fT}) [mm^2]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 609 611 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 611 613 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 613 615 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 615 617 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 617 619 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												
Trave 619 621 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**												

Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 609 611 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 611 613 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 613 615 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 615 617 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 617 619 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						
Trave 619 621 Sez. 2 Rett. 200x200 [mm] aux_chiusura **TRAVE AUSILIARIA**						

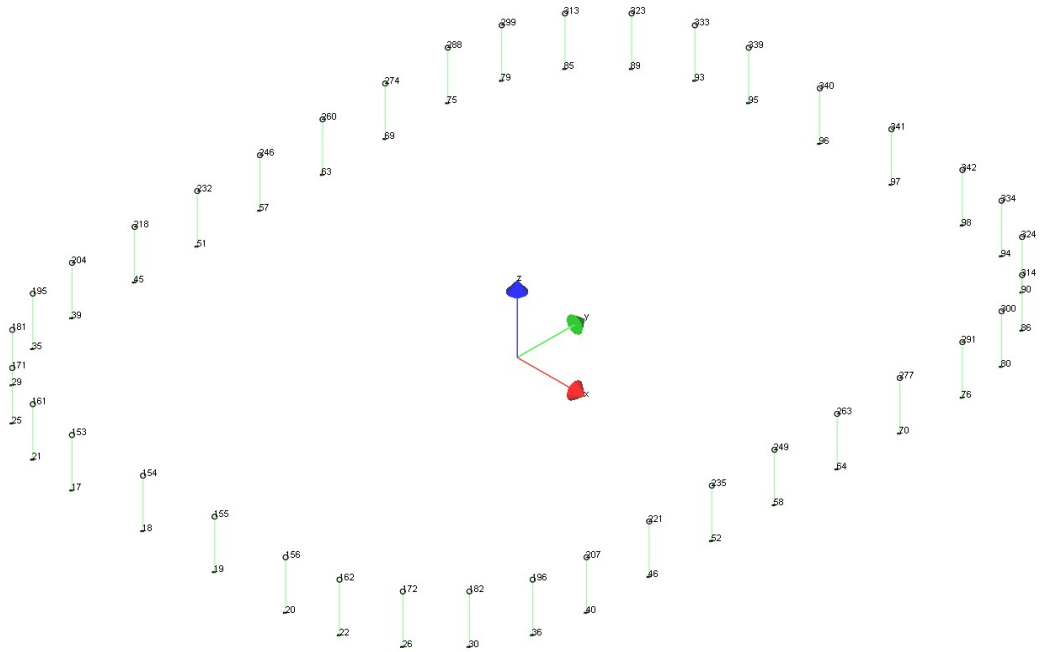
- Travata: *99 Travata 690 2515 696*

Nodo	x [m]	A_{fe} [mm^2]	A_{fi} [mm^2]	(A_{fT}) [mm^2]	q_T [kN/m]	M_{rif} [kNm]	M_e [kNm]	M_i [kNm]	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]
Trave 690 2515 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												
Trave 2515 696 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**												

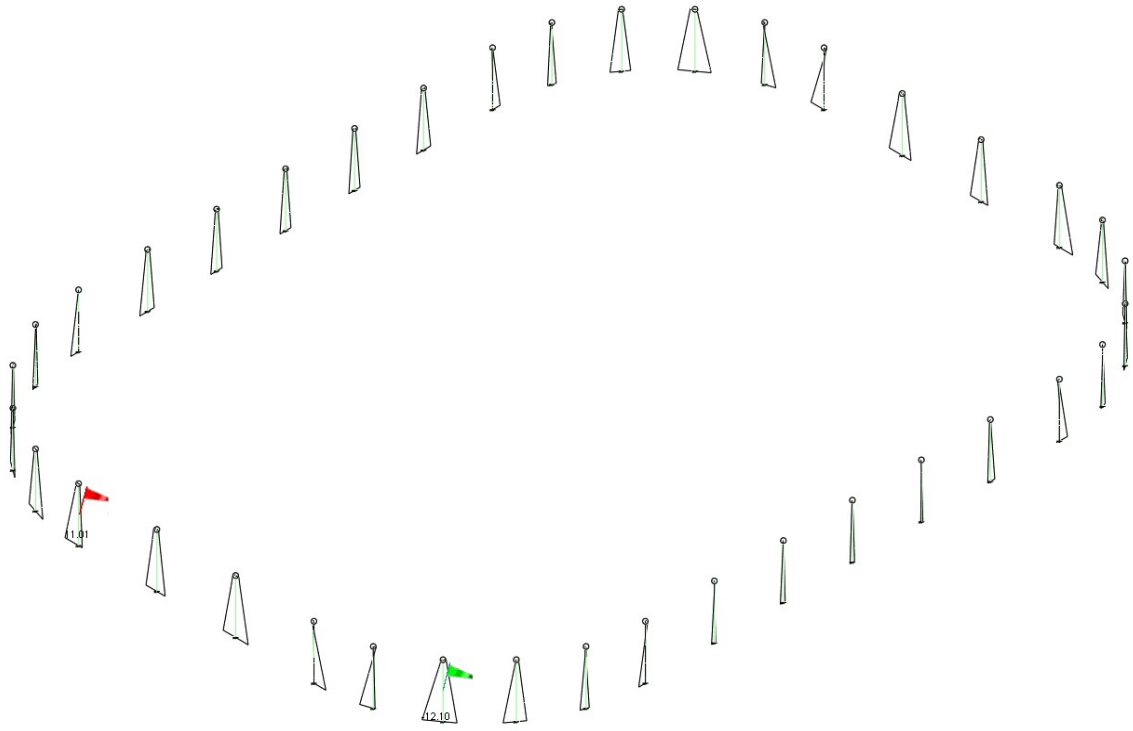
Da [m]	A [m]	Dx [m]	V [kN]	τ_V [MPa]	σ_{Stf} [MPa]	Staffe
Trave 690 2515 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						
Trave 2515 696 Sez. 101 Rett. 400x2000 [mm] aux_gradinata **TRAVE AUSILIARIA**						

16 VERIFICHE PILASTRI C.A.

Numerazione nodale pilastri circolari



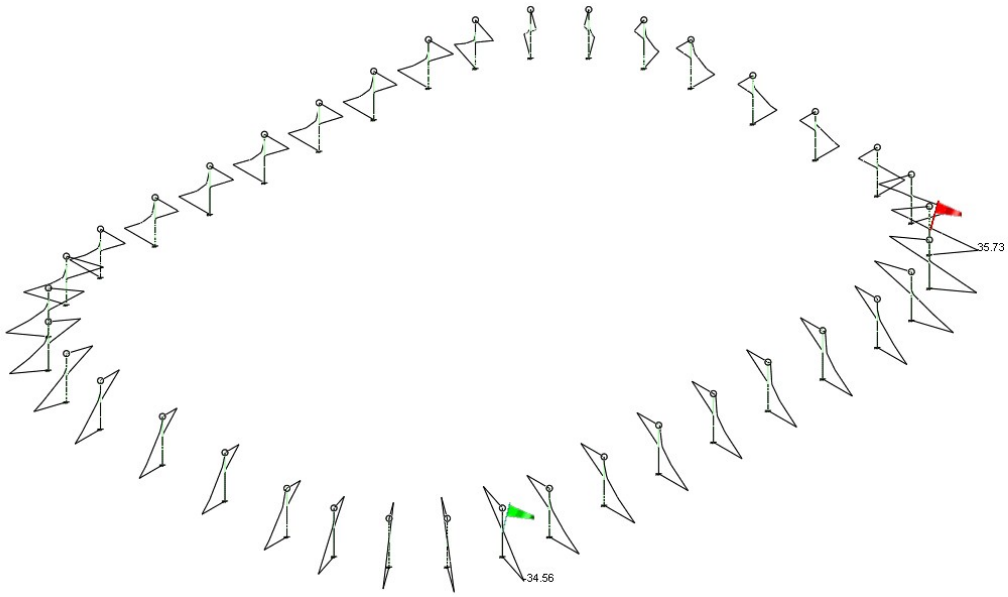
Inviluppo diagramma momenti M_{12}



Inviluppo Momento flettente nel piano 1-2 SLU (1 : 25)

Sez			Max [kNm]		Min [kNm]
1	Pilastri	17 153	11.01	26 172	-12.10

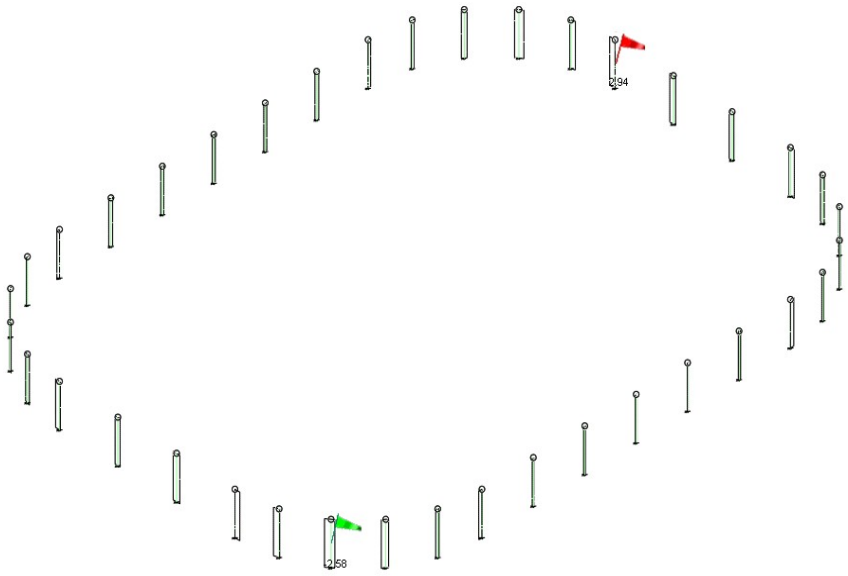
Inviluppo diagramma momenti M_{13}



Inviluppo Momento flettente nel piano 1-3 SLU (1 : 25)

Sez			Max [kNm]		Min [kNm]
1	Pilastri	90 324	35.73	36 196	-34.56

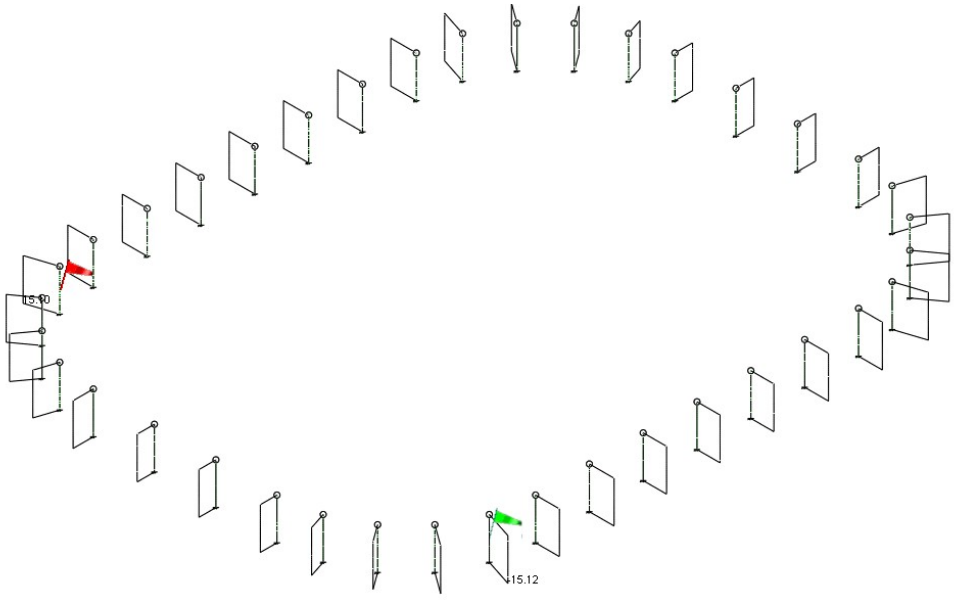
Inviluppo diagramma taglio V_{12}



Inviluppo Taglio nel piano 1-2 SLU (1 : 25)

Sez			Max [kN]		Min [kN]
1	Pilastri	95 339	2.94	26 172	-2.58

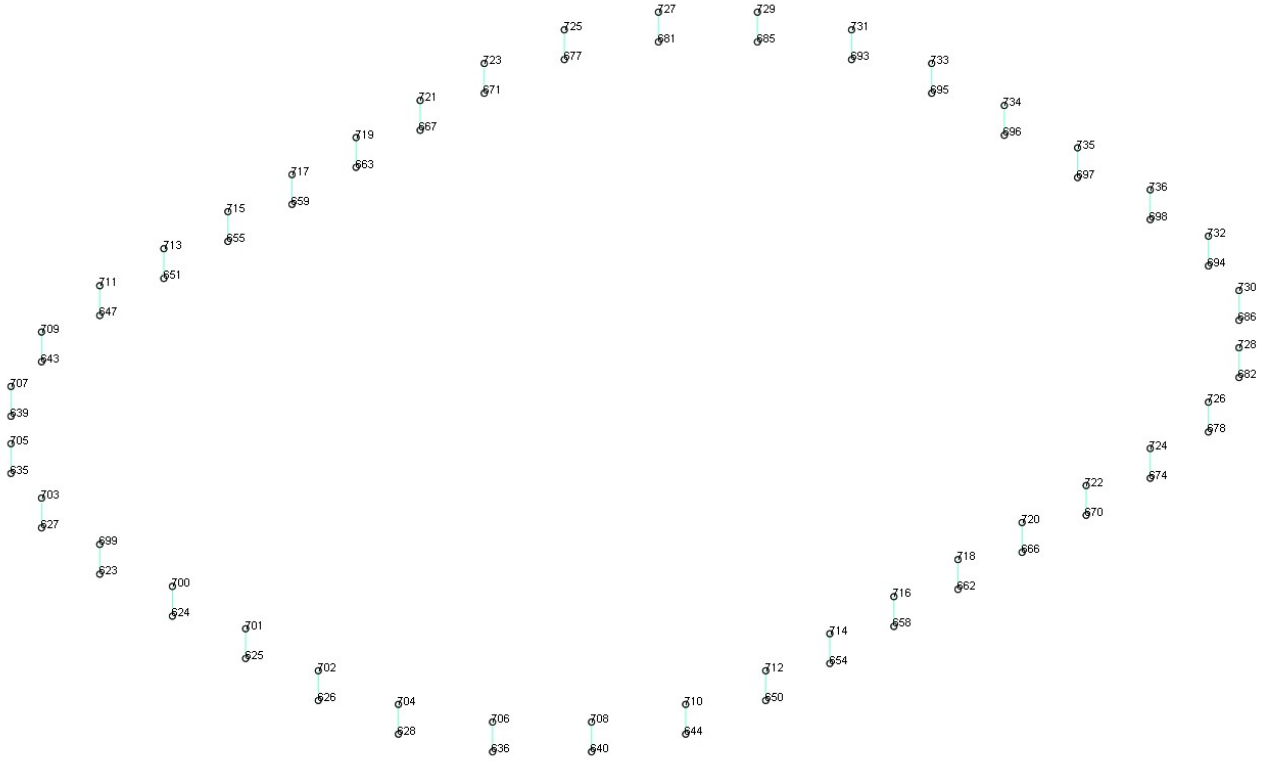
Inviluppo diagramma taglio V_{13}



Inviluppo Taglio nel piano 1-3 SLU (1 : 25)

Sez			Max [kN]		Min [kN]
1	Pilastri	35 195	15.10	36 196	-15.12

Numerazione nodale pilastri di sostegno copertura 400mmx1100mm



- Verifiche pilastri

- Modalità di verifica

I pilastri sono stati progettati e verificati a presso-tensoflessione deviata.

Le verifiche vengono riportate per la sezione di sommità e in quella di base in tutte le combinazioni di carico.

Nelle stampe si riportano (per le due sezioni di verifica succitate) le sollecitazioni relative alla combinazione di calcolo critica.

Le sollecitazioni di verifica alle estremità sono valutate ad una ascissa di spunto definita dalla distanza minore fra:

- 0.1*L (L=distanza fra i nodi che definiscono il pilastro
- 0.5*b (b=dimensione della sezione del pilastro)
- d = 100mm (distanza costante fissata dall'utente)

- Sezioni Impiegate:

Sezione Numero	Info	Dimensioni	Criterio	Cls	f_{cd} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Coprifer ro [mm]	Verifica
1	Circolare pil1_fi40cm	R 200 [mm]	Verpil	C28/35	15.87	B 450 C	391.30	360.00	450.00	450.00	40.00	Deviata

Fattore di sovraresistenza $\gamma_{R,d}$=1.10

La verifica a presso-flessione è condotta considerando separatamente l'interazione dei momenti resistenti delle travi ($N,M_x\alpha_x,M_y$) + ($N,M_x,M_y\alpha_y$)

EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. cotg θ = 1.00

- Pilastro: 17/153 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
17	17	-468.94	5.54	-24.62	1.00	1.00	0.27
153	17	-451.38	0.44	11.68	1.00	1.00	0.21

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	18.94	75.29	58.90	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
17	Ft. 27	-307.68	3.83	-18.95	-2.96
	Fc. 42	-342.57	4.16	-18.81	-61.62
	ClsMax 42	-342.57	4.16	-18.81	-4.87
	ClsMed 42	-342.57	4.16	-18.81	-2.35
153	Ft. 27	-294.17	0.32	10.88	-13.86
	Fc. 42	-329.06	0.34	9.49	-46.77
	ClsMax 42	-329.06	0.34	9.49	-3.47
	ClsMed 42	-329.06	0.34	9.49	-2.20
		Combinazioni Frequenti			
17	Ft. 44	-296.74	3.99	-19.47	-0.57
	Fc. 59	-344.20	4.38	-19.97	-63.55
	ClsMax 59	-344.20	4.38	-19.97	-5.05
	ClsMed 59	-344.20	4.38	-19.97	-2.40
153	Ft. 44	-283.23	0.36	11.84	-11.37
	Fc. 59	-330.69	0.37	10.69	-48.66
	ClsMax 59	-330.69	0.37	10.69	-3.64
	ClsMed 59	-330.69	0.37	10.69	-2.22
		Combinazioni Quasi Permanenti			
17	Ft. 60	-296.33	4.02	-19.18	-1.09
	Fc. 60	-296.33	4.02	-19.18	-57.88
	ClsMax 60	-296.33	4.02	-19.18	-4.65
	ClsMed 60	-296.33	4.02	-19.18	-2.16
153	Ft. 60	-282.82	0.36	11.54	-11.77
	Fc. 60	-282.82	0.36	11.54	-45.07
	ClsMax 60	-282.82	0.36	11.54	-3.44
	ClsMed 60	-282.82	0.36	11.54	-1.89

- Pilastro: 18/154 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
18	17	-558.86	1.13	-21.62	1.00	1.00	0.29
154	17	-541.30	0.63	5.04	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	15.38	75.29	49.70	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
18	Ft. 27	-364.58	0.82	-17.05	-12.03
	Fc. 42	-407.65	0.89	-16.69	-65.06
	ClsMax 42	-407.65	0.89	-16.69	-4.96
	ClsMed 42	-407.65	0.89	-16.69	-2.73
154	Ft. 27	-351.07	0.46	6.76	-25.53
	Fc. 42	-394.14	0.48	4.78	-46.50
	ClsMax 42	-394.14	0.48	4.78	-3.28
	ClsMed 42	-394.14	0.48	4.78	-2.64
		Combinazioni Frequenti			
18	Ft. 44	-351.41	1.02	-17.98	-9.35
	Fc. 59	-409.70	1.05	-18.12	-67.32
	ClsMax 59	-409.70	1.05	-18.12	-5.17
	ClsMed 59	-409.70	1.05	-18.12	-2.74
154	Ft. 44	-337.90	0.50	8.27	-22.02
	Fc. 59	-396.19	0.52	6.27	-48.86
	ClsMax 59	-396.19	0.52	6.27	-3.49
	ClsMed 59	-396.19	0.52	6.27	-2.65
		Combinazioni Quasi Permanenti			
18	Ft. 60	-351.04	1.05	-17.72	-9.70
	Fc. 60	-351.04	1.05	-17.72	-60.85
	ClsMax 60	-351.04	1.05	-17.72	-4.72
	ClsMed 60	-351.04	1.05	-17.72	-2.35
154	Ft. 60	-337.53	0.51	8.00	-22.37
	Fc. 60	-337.53	0.51	8.00	-45.46
	ClsMax 60	-337.53	0.51	8.00	-3.33
	ClsMed 60	-337.53	0.51	8.00	-2.26

- Pilastro: 19/155 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
19	17	-556.85	0.52	20.90	1.00	1.00	0.28
155	17	-539.29	0.42	-3.97	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe

0.00	4.05	18.14	75.29	49.23	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
19	Ft. 26	-363.04	0.09	16.45	-12.74
	Fc. 42	-406.14	0.34	16.15	-64.12
	ClsMax 42	-406.14	0.34	16.15	-4.88
	ClsMed 42	-406.14	0.34	16.15	-2.72
155	Ft. 26	-349.53	0.26	-5.90	-26.61
	Fc. 42	-392.63	0.31	-3.96	-45.18
	ClsMax 42	-392.63	0.31	-3.96	-3.16
	ClsMed 42	-392.63	0.31	-3.96	-2.63
	Combinazioni Frequenti				
19	Ft. 43	-349.83	-0.12	17.36	-10.09
	Fc. 59	-408.02	0.00	17.48	-66.22
	ClsMax 59	-408.02	0.00	17.48	-5.07
	ClsMed 59	-408.02	0.00	17.48	-2.73
155	Ft. 43	-336.33	0.20	-7.39	-23.13
	Fc. 59	-394.51	0.22	-5.34	-47.35
	ClsMax 59	-394.51	0.22	-5.34	-3.36
	ClsMed 59	-394.51	0.22	-5.34	-2.64
	Combinazioni Quasi Permanenti				
19	Ft. 60	-349.53	-0.03	17.14	-10.38
	Fc. 60	-349.53	-0.03	17.14	-59.87
	ClsMax 60	-349.53	-0.03	17.14	-4.63
	ClsMed 60	-349.53	-0.03	17.14	-2.34
155	Ft. 60	-336.02	0.21	-7.16	-23.42
	Fc. 60	-336.02	0.21	-7.16	-44.11
	ClsMax 60	-336.02	0.21	-7.16	-3.21
	ClsMed 60	-336.02	0.21	-7.16	-2.25

- Pilastro: 20/156 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
20	17	-456.46	7.36	21.89	1.00	1.00	0.26
156	17	-438.90	-1.59	-4.89	1.00	1.00	0.18

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	15.57	75.29	52.66	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
20	Ft. 26	-298.73	5.03	16.98	-5.25
	Fc. 42	-333.27	5.46	16.80	-57.74
	ClsMax 42	-333.27	5.46	16.80	-4.59

	ClsMed 42	-333.27	5.46	16.80	-2.25
156	Ft. 26	-285.22	-1.07	-6.00	-19.99
	Fc. 42	-319.76	-1.17	-4.44	-38.54
	ClsMax 42	-319.76	-1.17	-4.44	-2.76
	ClsMed 42	-319.76	-1.17	-4.44	-2.14
	Combinazioni Frequenti				
20	Ft. 43	-287.58	4.89	17.36	-3.29
	Fc. 59	-334.13	5.41	17.59	-59.00
	ClsMax 59	-334.13	5.41	17.59	-4.70
	ClsMed 59	-334.13	5.41	17.59	-2.28
156	Ft. 43	-274.07	-1.03	-6.82	-17.70
	Fc. 59	-320.62	-1.16	-5.16	-39.66
	ClsMax 59	-320.62	-1.16	-5.16	-2.85
	ClsMed 59	-320.62	-1.16	-5.16	-2.15
	Combinazioni Quasi Permanenti				
20	Ft. 60	-287.36	4.91	17.16	-3.62
	Fc. 60	-287.36	4.91	17.16	-53.86
	ClsMax 60	-287.36	4.91	17.16	-4.33
	ClsMed 60	-287.36	4.91	17.16	-2.04
156	Ft. 60	-273.85	-1.04	-6.64	-17.93
	Fc. 60	-273.85	-1.04	-6.64	-37.10
	ClsMax 60	-273.85	-1.04	-6.64	-2.73
	ClsMed 60	-273.85	-1.04	-6.64	-1.83

- Pilastro: 21/161 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
21	17	-376.19	-1.29	-25.39	1.00	1.00	0.24
161	17	-358.62	-0.61	15.35	1.00	1.00	0.19

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	18.45	75.29	64.85	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
21	Ft. 27	-248.24	-1.11	-19.01	5.36
	Fc. 42	-275.31	-0.96	-19.25	-56.13
	ClsMax 42	-275.31	-0.96	-19.25	-4.49
	ClsMed 42	-275.31	-0.96	-19.25	-2.07
161	Ft. 27	-234.73	-0.43	12.64	-5.32
	Fc. 42	-261.80	-0.44	11.99	-43.61
	ClsMax 42	-261.80	-0.44	11.99	-3.36
	ClsMed 42	-261.80	-0.44	11.99	-1.75
	Combinazioni Frequenti				
21	Ft. 44	-239.97	-0.83	-19.43	7.88
	Fc. 59	-276.82	-0.79	-20.33	-58.14
	ClsMax 59	-276.82	-0.79	-20.33	-4.68

	ClsMed 59	-276.82	-0.79	-20.33	-2.13
161	Ft. 44	-226.46	-0.36	13.38	-3.25
	Fc. 59	-263.31	-0.41	13.09	-45.36
	ClsMax 59	-263.31	-0.41	13.09	-3.51
	ClsMed 59	-263.31	-0.41	13.09	-1.76
	Combinazioni Quasi Permanenti				
21	Ft. 60	-239.65	-0.76	-19.18	7.27
	Fc. 60	-239.65	-0.76	-19.18	-53.23
	ClsMax 60	-239.65	-0.76	-19.18	-4.33
	ClsMed 60	-239.65	-0.76	-19.18	-1.95
161	Ft. 60	-226.14	-0.35	13.13	-3.63
	Fc. 60	-226.14	-0.35	13.13	-41.74
	ClsMax 60	-226.14	-0.35	13.13	-3.28
	ClsMed 60	-226.14	-0.35	13.13	-1.56

- Pilastro: 22/162 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
22	17	-367.62	-4.85	24.79	1.00	1.00	0.24
162	17	-350.05	1.26	-11.12	1.00	1.00	0.17

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	14.53	75.29	60.40	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
22	Ft. 26	-242.83	-3.74	18.99	6.56
	Fc. 42	-269.07	-3.70	18.90	-55.08
	ClsMax 42	-269.07	-3.70	18.90	-4.46
	ClsMed 42	-269.07	-3.70	18.90	-2.04
162	Ft. 26	-229.32	0.97	-10.09	-8.48
	Fc. 42	-255.56	0.96	-8.94	-38.58
	ClsMax 42	-255.56	0.96	-8.94	-2.91
	ClsMed 42	-255.56	0.96	-8.94	-1.71
	Combinazioni Frequenti				
22	Ft. 43	-234.53	-3.79	19.37	9.15
	Fc. 59	-270.34	-3.90	19.91	-56.97
	ClsMax 59	-270.34	-3.90	19.91	-4.64
	ClsMed 59	-270.34	-3.90	19.91	-2.11
162	Ft. 43	-221.02	0.97	-10.81	-6.61
	Fc. 59	-256.83	0.99	-9.92	-40.12
	ClsMax 59	-256.83	0.99	-9.92	-3.05
	ClsMed 59	-256.83	0.99	-9.92	-1.72
	Combinazioni Quasi Permanenti				
22	Ft. 60	-234.18	-3.73	19.08	8.40
	Fc. 60	-234.18	-3.73	19.08	-52.75
	ClsMax 60	-234.18	-3.73	19.08	-4.36

	ClsMed 60	-234.18	-3.73	19.08	-1.95
162	Ft. 60	-220.67	0.96	-10.53	-6.98
	Fc. 60	-220.67	0.96	-10.53	-37.37
	ClsMax 60	-220.67	0.96	-10.53	-2.89
	ClsMed 60	-220.67	0.96	-10.53	-1.48

- Pilastro: 25/171 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
25	17	-375.03	0.65	-25.30	1.00	1.00	0.24
171	18	-245.42	1.73	23.60	1.00	1.00	0.20
171	18	-245.42	1.73	23.60	1.00	1.00	0.20

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	16.20	75.29	65.50	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
25	Ft. 27	-247.29	0.31	-18.83	5.05
	Fc. 42	-274.49	0.49	-19.21	-55.98
	ClsMax 42	-274.49	0.49	-19.21	-4.48
	ClsMed 42	-274.49	0.49	-19.21	-2.06
171	Ft. 27	-233.78	0.62	12.28	-5.76
	Fc. 42	-260.98	0.63	11.76	-43.20
	ClsMax 42	-260.98	0.63	11.76	-3.32
	ClsMed 42	-260.98	0.63	11.76	-1.75
		Combinazioni Frequenti			
25	Ft. 44	-239.54	0.52	-19.51	8.15
	Fc. 59	-276.42	0.65	-20.48	-58.37
	ClsMax 59	-276.42	0.65	-20.48	-4.70
	ClsMed 59	-276.42	0.65	-20.48	-2.14
171	Ft. 44	-226.03	0.66	13.33	-3.27
	Fc. 59	-262.91	0.67	13.10	-45.33
	ClsMax 59	-262.91	0.67	13.10	-3.51
	ClsMed 59	-262.91	0.67	13.10	-1.76
		Combinazioni Quasi Permanenti			
25	Ft. 60	-239.28	0.56	-19.30	7.65
	Fc. 60	-239.28	0.56	-19.30	-53.42
	ClsMax 60	-239.28	0.56	-19.30	-4.35
	ClsMed 60	-239.28	0.56	-19.30	-1.96
171	Ft. 60	-225.77	0.66	13.13	-3.58
	Fc. 60	-225.77	0.66	13.13	-41.71
	ClsMax 60	-225.77	0.66	13.13	-3.27
	ClsMed 60	-225.77	0.66	13.13	-1.56

- Pilastro: 26/172 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
26	17	-379.08	-1.88	27.89	1.00	1.00	0.26
172	17	-361.52	0.60	-17.85	1.00	1.00	0.20

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	20.25	75.29	63.67	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
26	Ft. 26	-250.59	-1.74	20.91	10.01
	Fc. 42	-277.50	-1.50	21.13	-59.64
	ClsMax 42	-277.50	-1.50	21.13	-4.82
	ClsMed 42	-277.50	-1.50	21.13	-2.19
172	Ft. 26	-237.08	0.45	-14.58	-2.41
	Fc. 42	-264.00	0.45	-13.88	-46.56
	ClsMax 42	-264.00	0.45	-13.88	-3.62
	ClsMed 42	-264.00	0.45	-13.88	-1.78
		Combinazioni Frequenti			
26	Ft. 43	-241.98	-1.93	21.09	12.32
	Fc. 59	-278.75	-1.82	22.01	-61.36
	ClsMax 59	-278.75	-1.82	22.01	-4.99
	ClsMed 59	-278.75	-1.82	22.01	-2.25
172	Ft. 43	-228.48	0.41	-15.07	-0.43
	Fc. 59	-265.24	0.42	-14.78	-48.02
	ClsMax 59	-265.24	0.42	-14.78	-3.76
	ClsMed 59	-265.24	0.42	-14.78	-1.81
		Combinazioni Quasi Permanenti			
26	Ft. 60	-241.61	-1.84	20.82	11.58
	Fc. 60	-241.61	-1.84	20.82	-56.54
	ClsMax 60	-241.61	-1.84	20.82	-4.66
	ClsMed 60	-241.61	-1.84	20.82	-2.08
172	Ft. 60	-228.10	0.41	-14.79	-0.92
	Fc. 60	-228.10	0.41	-14.79	-44.56
	ClsMax 60	-228.10	0.41	-14.79	-3.54
	ClsMed 60	-228.10	0.41	-14.79	-1.65

- Pilastro: 29/181 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
29	17	-378.97	0.22	-27.43	1.00	1.00	0.25
181	18	-249.95	1.04	26.24	1.00	1.00	0.21
181	18	-249.95	1.04	26.24	1.00	1.00	0.21

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	13.35	75.29	67.40	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
29	Ft. 27	-250.16	0.11	-20.37	8.50
	Fc. 42	-277.46	0.16	-20.81	-59.03
	ClsMax 42	-277.46	0.16	-20.81	-4.76
	ClsMed 42	-277.46	0.16	-20.81	-2.16
181	Ft. 27	-236.65	0.48	14.10	-3.19
	Fc. 42	-263.95	0.45	13.64	-46.21
	ClsMax 42	-263.95	0.45	13.64	-3.59
	ClsMed 42	-263.95	0.45	13.64	-1.77
		Combinazioni Frequenti			
29	Ft. 44	-242.35	0.13	-21.01	11.88
	Fc. 59	-279.40	0.18	-22.07	-61.51
	ClsMax 59	-279.40	0.18	-22.07	-5.00
	ClsMed 59	-279.40	0.18	-22.07	-2.25
181	Ft. 44	-228.85	0.49	15.11	-0.40
	Fc. 59	-265.90	0.46	14.99	-48.40
	ClsMax 59	-265.90	0.46	14.99	-3.79
	ClsMed 59	-265.90	0.46	14.99	-1.82
		Combinazioni Quasi Permanenti			
29	Ft. 60	-242.08	0.14	-20.81	11.33
	Fc. 60	-242.08	0.14	-20.81	-56.51
	ClsMax 60	-242.08	0.14	-20.81	-4.65
	ClsMed 60	-242.08	0.14	-20.81	-2.07
181	Ft. 60	-228.57	0.48	14.90	-0.76
	Fc. 60	-228.57	0.48	14.90	-44.78
	ClsMax 60	-228.57	0.48	14.90	-3.56
	ClsMed 60	-228.57	0.48	14.90	-1.66

- Pilastro: 30/182 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
30	17	-387.73	-0.50	32.12	1.00	1.00	0.28
182	17	-370.17	0.69	-23.18	1.00	1.00	0.23

- Verifiche a Taglio

Da	A	Vdx	Vrx	Vdy	Vry	Staffe

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	13.51	75.29	67.32	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
30	Ft. 26	-257.01	-0.48	24.02	18.13
	Fc. 42	-284.05	-0.41	24.32	-66.13
	ClsMax 42	-284.05	-0.41	24.32	-5.43
	ClsMed 42	-284.05	-0.41	24.32	-2.42
182	Ft. 26	-243.50	0.59	-18.52	4.93
	Fc. 42	-270.54	0.54	-17.91	-53.44
	ClsMax 42	-270.54	0.54	-17.91	-4.25
	ClsMed 42	-270.54	0.54	-17.91	-1.97
		Combinazioni Frequenti			
30	Ft. 43	-248.28	-0.62	24.11	20.64
	Fc. 59	-285.31	-0.62	25.16	-67.86
	ClsMax 59	-285.31	-0.62	25.16	-5.60
	ClsMed 59	-285.31	-0.62	25.16	-2.49
182	Ft. 43	-234.77	0.58	-18.93	7.47
	Fc. 59	-271.80	0.53	-18.79	-55.05
	ClsMax 59	-271.80	0.53	-18.79	-4.40
	ClsMed 59	-271.80	0.53	-18.79	-2.03
		Combinazioni Quasi Permanenti			
30	Ft. 60	-247.86	-0.58	23.84	19.78
	Fc. 60	-247.86	-0.58	23.84	-63.00
	ClsMax 60	-247.86	-0.58	23.84	-5.27
	ClsMed 60	-247.86	-0.58	23.84	-2.32
182	Ft. 60	-234.35	0.57	-18.63	6.76
	Fc. 60	-234.35	0.57	-18.63	-51.81
	ClsMax 60	-234.35	0.57	-18.63	-4.21
	ClsMed 60	-234.35	0.57	-18.63	-1.90

- Pilastro: 35/195 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
35	19	-269.09	2.44	-34.71	1.00	1.00	0.27
35	19	-269.09	2.44	-34.71	1.00	1.00	0.27
195	19	-255.58	0.53	30.23	1.00	1.00	0.24
195	19	-255.58	0.53	30.23	1.00	1.00	0.24

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	7.12	75.29	69.14	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			

35	Ft. 27	-253.16	-0.14	-21.93	12.36
	Fc. 42	-280.43	-0.06	-22.30	-61.99
	ClsMax 42	-280.43	-0.06	-22.30	-5.04
	ClsMed 42	-280.43	-0.06	-22.30	-2.27
195	Ft. 27	-239.65	0.53	15.98	-0.12
	Fc. 42	-266.92	0.52	15.45	-49.20
	ClsMax 42	-266.92	0.52	15.45	-3.86
	ClsMed 42	-266.92	0.52	15.45	-1.84
	Combinazioni Frequenti				
35	Ft. 44	-245.09	-0.20	-22.45	15.76
	Fc. 59	-282.18	-0.11	-23.48	-64.37
	ClsMax 59	-282.18	-0.11	-23.48	-5.27
	ClsMed 59	-282.18	-0.11	-23.48	-2.36
195	Ft. 44	-231.58	0.53	16.84	2.85
	Fc. 59	-268.67	0.53	16.70	-51.31
	ClsMax 59	-268.67	0.53	16.70	-4.05
	ClsMed 59	-268.67	0.53	16.70	-1.91
	Combinazioni Quasi Permanenti				
35	Ft. 60	-244.77	-0.20	-22.22	15.08
	Fc. 60	-244.77	-0.20	-22.22	-59.49
	ClsMax 60	-244.77	-0.20	-22.22	-4.93
	ClsMed 60	-244.77	-0.20	-22.22	-2.18
195	Ft. 60	-231.27	0.52	16.60	2.36
	Fc. 60	-231.27	0.52	16.60	-47.88
	ClsMax 60	-231.27	0.52	16.60	-3.84
	ClsMed 60	-231.27	0.52	16.60	-1.76

- Pilastro: 36/196 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
36	17	-370.86	-0.65	32.81	1.00	1.00	0.28
196	23	-243.78	-0.48	-30.46	1.00	1.00	0.24
196	23	-243.78	-0.48	-30.46	1.00	1.00	0.24

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	7.77	75.29	69.78	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
36	Ft. 26	-246.65	-0.66	24.69	23.15
	Fc. 42	-271.94	-0.55	24.89	-66.51
	ClsMax 42	-271.94	-0.55	24.89	-5.52
	ClsMed 42	-271.94	-0.55	24.89	-2.44
196	Ft. 26	-233.15	-0.30	-19.91	10.52
	Fc. 42	-258.43	-0.43	-19.28	-54.81
	ClsMax 26	-233.15	-0.30	-19.91	-4.45
	ClsMed 42	-258.43	-0.43	-19.28	-2.01

Combinazioni Frequenti					
36	Ft. 43	-238.45	-0.75	24.78	25.83
	Fc. 59	-273.18	-0.64	25.73	-68.30
	ClsMax 59	-273.18	-0.64	25.73	-5.70
	ClsMed 59	-273.18	-0.64	25.73	-2.51
196	Ft. 43	-224.94	-0.26	-20.27	13.40
	Fc. 59	-259.68	-0.41	-20.17	-56.52
	ClsMax 59	-259.68	-0.41	-20.17	-4.58
	ClsMed 59	-259.68	-0.41	-20.17	-2.07
Combinazioni Quasi Permanenti					
36	Ft. 60	-238.01	-0.73	24.48	24.83
	Fc. 60	-238.01	-0.73	24.48	-63.87
	ClsMax 60	-238.01	-0.73	24.48	-5.41
	ClsMed 60	-238.01	-0.73	24.48	-2.36
196	Ft. 60	-224.50	-0.27	-19.96	12.50
	Fc. 60	-224.50	-0.27	-19.96	-53.71
	ClsMax 60	-224.50	-0.27	-19.96	-4.44
	ClsMed 60	-224.50	-0.27	-19.96	-1.97

- Pilastro: 39/204 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
39	17	-446.21	-4.93	-28.02	1.00	1.00	0.28
204	18	-290.35	0.22	25.51	1.00	1.00	0.22
204	18	-290.35	0.22	25.51	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	8.58	75.29	64.70	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Rare					
39	Ft. 27	-293.00	-3.55	-20.94	3.00
	Fc. 42	-326.16	-3.71	-21.29	-64.00
	ClsMax 42	-326.16	-3.71	-21.29	-5.13
	ClsMed 42	-326.16	-3.71	-21.29	-2.38
204	Ft. 27	-279.49	0.13	13.67	-8.36
	Fc. 42	-312.65	0.12	12.92	-50.06
	ClsMax 42	-312.65	0.12	12.92	-3.82
	ClsMed 42	-312.65	0.12	12.92	-2.09
Combinazioni Frequenti					
39	Ft. 44	-282.97	-3.52	-21.49	5.87
	Fc. 59	-327.76	-3.74	-22.42	-66.03
	ClsMax 59	-327.76	-3.74	-22.42	-5.32
	ClsMed 59	-327.76	-3.74	-22.42	-2.45
204	Ft. 44	-269.46	0.14	14.62	-5.95
	Fc. 59	-314.25	0.13	14.07	-51.89
	ClsMax 59	-314.25	0.13	14.07	-3.99

	ClsMed 59	-314.25	0.13	14.07	-2.11
		Combinazioni Quasi Permanenti			
39	Ft. 60	-282.73	-3.52	-21.29	5.43
	Fc. 60	-282.73	-3.52	-21.29	-60.38
	ClsMax 60	-282.73	-3.52	-21.29	-4.92
	ClsMed 60	-282.73	-3.52	-21.29	-2.23
204	Ft. 60	-269.22	0.14	14.42	-6.22
	Fc. 60	-269.22	0.14	14.42	-47.88
	ClsMax 60	-269.22	0.14	14.42	-3.73
	ClsMed 60	-269.22	0.14	14.42	-1.82

- Pilastro: 40/207 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
40	17	-466.29	-5.40	27.09	1.00	1.00	0.28
207	17	-448.73	2.11	-14.15	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	11.81	75.29	62.54	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
40	Ft. 26	-306.59	-3.91	20.77	0.70
	Fc. 42	-340.83	-4.07	20.69	-64.35
	ClsMax 42	-340.83	-4.07	20.69	-5.13
	ClsMed 42	-340.83	-4.07	20.69	-2.41
207	Ft. 26	-293.08	1.39	-12.79	-10.99
	Fc. 42	-327.32	1.54	-11.40	-49.34
	ClsMax 42	-327.32	1.54	-11.40	-3.73
	ClsMed 42	-327.32	1.54	-11.40	-2.19
		Combinazioni Frequenti			
40	Ft. 43	-295.73	-3.91	21.14	3.09
	Fc. 59	-342.33	-4.15	21.65	-66.04
	ClsMax 59	-342.33	-4.15	21.65	-5.28
	ClsMed 59	-342.33	-4.15	21.65	-2.47
207	Ft. 43	-282.22	1.34	-13.63	-8.68
	Fc. 59	-328.82	1.55	-12.44	-51.00
	ClsMax 59	-328.82	1.55	-12.44	-3.88
	ClsMed 59	-328.82	1.55	-12.44	-2.20
		Combinazioni Quasi Permanenti			
40	Ft. 60	-295.32	-3.90	20.88	2.56
	Fc. 60	-295.32	-3.90	20.88	-60.68
	ClsMax 60	-295.32	-3.90	20.88	-4.91
	ClsMed 60	-295.32	-3.90	20.88	-2.25
207	Ft. 60	-281.81	1.34	-13.35	-9.06
	Fc. 60	-281.81	1.34	-13.35	-47.58
	ClsMax 60	-281.81	1.34	-13.35	-3.68

ClsMed 60	-281.81	1.34	-13.35	-1.89

- Pilastro: 45/218 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
45	17	-507.70	-0.72	-25.66	1.00	1.00	0.29
218	17	-490.14	0.18	11.58	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	11.52	75.29	61.78	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
45	Ft. 27	-332.57	-0.41	-19.79	-4.53
	Fc. 42	-370.84	-0.53	-19.71	-65.72
	ClsMax 42	-370.84	-0.53	-19.71	-5.12
	ClsMed 42	-370.84	-0.53	-19.71	-2.50
218	Ft. 27	-319.06	0.19	11.10	-16.05
	Fc. 42	-357.33	0.15	9.60	-49.76
	ClsMax 42	-357.33	0.15	9.60	-3.68
	ClsMed 42	-357.33	0.15	9.60	-2.39
		Combinazioni Frequenti			
45	Ft. 44	-321.39	-0.42	-20.82	-1.33
	Fc. 59	-373.22	-0.50	-21.30	-68.32
	ClsMax 59	-373.22	-0.50	-21.30	-5.35
	ClsMed 59	-373.22	-0.50	-21.30	-2.57
218	Ft. 44	-307.88	0.21	12.67	-12.65
	Fc. 59	-359.71	0.17	11.28	-52.43
	ClsMax 59	-359.71	0.17	11.28	-3.92
	ClsMed 59	-359.71	0.17	11.28	-2.41
		Combinazioni Quasi Permanenti			
45	Ft. 60	-321.04	-0.46	-20.57	-1.77
	Fc. 60	-321.04	-0.46	-20.57	-62.31
	ClsMax 60	-321.04	-0.46	-20.57	-4.94
	ClsMed 60	-321.04	-0.46	-20.57	-2.31
218	Ft. 60	-307.53	0.21	12.41	-12.99
	Fc. 60	-307.53	0.21	12.41	-48.81
	ClsMax 60	-307.53	0.21	12.41	-3.72
	ClsMed 60	-307.53	0.21	12.41	-2.06

- Pilastro: 46/221 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
46	17	-510.58	-0.75	26.72	1.00	1.00	0.29
221	17	-493.02	0.24	-13.09	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	4.41	75.29	61.45	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
46	Ft. 26	-334.28	-0.55	20.26	-3.93
	Fc. 42	-372.84	-0.59	20.39	-66.93
	ClsMax 42	-372.84	-0.59	20.39	-5.23
	ClsMed 42	-372.84	-0.59	20.39	-2.53
221	Ft. 26	-320.77	0.18	-11.89	-15.07
	Fc. 42	-359.33	0.18	-10.62	-51.44
	ClsMax 42	-359.33	0.18	-10.62	-3.83
	ClsMed 42	-359.33	0.18	-10.62	-2.41
		Combinazioni Frequenti			
46	Ft. 48	-322.42	-0.61	20.85	-1.41
	Fc. 59	-374.55	-0.61	21.48	-68.73
	ClsMax 59	-374.55	-0.61	21.48	-5.39
	ClsMed 59	-374.55	-0.61	21.48	-2.58
221	Ft. 48	-308.91	0.17	-12.99	-12.29
	Fc. 59	-361.04	0.18	-11.79	-53.30
	ClsMax 59	-361.04	0.18	-11.79	-3.99
	ClsMed 59	-361.04	0.18	-11.79	-2.42
		Combinazioni Quasi Permanenti			
46	Ft. 60	-322.09	-0.63	20.63	-1.79
	Fc. 60	-322.09	-0.63	20.63	-62.49
	ClsMax 60	-322.09	-0.63	20.63	-4.95
	ClsMed 60	-322.09	-0.63	20.63	-2.31
221	Ft. 60	-308.58	0.18	-12.76	-12.59
	Fc. 60	-308.58	0.18	-12.76	-49.42
	ClsMax 60	-308.58	0.18	-12.76	-3.77
	ClsMed 60	-308.58	0.18	-12.76	-2.07

- Pilastro: 51/232 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
51	17	-509.15	-0.21	-25.60	1.00	1.00	0.29
232	17	-491.59	0.14	11.99	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe

0.00	4.05	8.99	75.29	61.79	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
51	Ft. 27	-333.40	-0.13	-19.69	-4.80
	Fc. 42	-371.93	-0.15	-19.69	-65.80
	ClsMax 42	-371.93	-0.15	-19.69	-5.12
	ClsMed 42	-371.93	-0.15	-19.69	-2.51
232	Ft. 30	-320.13	0.15	11.33	-15.81
	Fc. 42	-358.43	0.12	9.93	-50.35
	ClsMax 42	-358.43	0.12	9.93	-3.73
	ClsMed 42	-358.43	0.12	9.93	-2.40
		Combinazioni Frequenti			
51	Ft. 47	-322.18	-0.10	-20.73	-1.61
	Fc. 59	-373.85	-0.17	-21.10	-68.08
	ClsMax 59	-373.85	-0.17	-21.10	-5.33
	ClsMed 59	-373.85	-0.17	-21.10	-2.56
232	Ft. 47	-308.67	0.15	12.85	-12.47
	Fc. 59	-360.34	0.12	11.36	-52.60
	ClsMax 59	-360.34	0.12	11.36	-3.93
	ClsMed 59	-360.34	0.12	11.36	-2.41
		Combinazioni Quasi Permanenti			
51	Ft. 60	-321.82	-0.14	-20.53	-1.94
	Fc. 60	-321.82	-0.14	-20.53	-62.31
	ClsMax 60	-321.82	-0.14	-20.53	-4.94
	ClsMed 60	-321.82	-0.14	-20.53	-2.31
232	Ft. 60	-308.31	0.14	12.62	-12.76
	Fc. 60	-308.31	0.14	12.62	-49.20
	ClsMax 60	-308.31	0.14	12.62	-3.75
	ClsMed 60	-308.31	0.14	12.62	-2.07

- Pilastro: 52/235 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
52	17	-507.12	-0.71	23.99	1.00	1.00	0.28
235	17	-489.56	0.12	-10.35	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	4.24	75.29	60.25	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
52	Ft. 31	-331.49	-0.49	18.16	-7.04
	Fc. 42	-370.14	-0.54	18.29	-63.60
	ClsMax 42	-370.14	-0.54	18.29	-4.92

	ClsMed 42	-370.14	-0.54	18.29	-2.48
235	Ft. 31	-317.98	0.08	-9.73	-17.91
	Fc. 42	-356.63	0.09	-8.50	-48.11
	ClsMax 42	-356.63	0.09	-8.50	-3.53
	ClsMed 42	-356.63	0.09	-8.50	-2.39
	Combinazioni Frequenti				
52	Ft. 48	-319.69	-0.52	18.80	-4.74
	Fc. 59	-371.86	-0.56	19.41	-65.39
	ClsMax 59	-371.86	-0.56	19.41	-5.09
	ClsMed 59	-371.86	-0.56	19.41	-2.50
235	Ft. 48	-306.18	0.08	-10.89	-15.05
	Fc. 59	-358.36	0.08	-9.70	-50.02
	ClsMax 59	-358.36	0.08	-9.70	-3.70
	ClsMed 59	-358.36	0.08	-9.70	-2.40
	Combinazioni Quasi Permanenti				
52	Ft. 60	-319.31	-0.53	18.53	-5.13
	Fc. 60	-319.31	-0.53	18.53	-58.93
	ClsMax 60	-319.31	-0.53	18.53	-4.63
	ClsMed 60	-319.31	-0.53	18.53	-2.21
235	Ft. 60	-305.80	0.08	-10.62	-15.39
	Fc. 60	-305.80	0.08	-10.62	-46.06
	ClsMax 60	-305.80	0.08	-10.62	-3.47
	ClsMed 60	-305.80	0.08	-10.62	-2.05

- Pilastro: 57/246 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
57	17	-510.12	-0.13	-25.86	1.00	1.00	0.29
246	19	-331.91	0.40	25.18	1.00	1.00	0.23
246	19	-331.91	0.40	25.18	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	8.90	75.29	62.25	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
57	Ft. 30	-334.66	-0.09	-20.05	-4.33
	Fc. 42	-372.74	-0.10	-19.93	-66.24
	ClsMax 42	-372.74	-0.10	-19.93	-5.16
	ClsMed 42	-372.74	-0.10	-19.93	-2.52
246	Ft. 30	-321.15	-0.06	11.87	-15.13
	Fc. 42	-359.23	-0.06	10.32	-51.00
	ClsMax 42	-359.23	-0.06	10.32	-3.79
	ClsMed 42	-359.23	-0.06	10.32	-2.41
	Combinazioni Frequenti				
57	Ft. 47	-323.51	-0.11	-21.29	-0.70
	Fc. 59	-375.08	-0.11	-21.57	-68.92

	ClsMax 59	-375.08	-0.11	-21.57	-5.41
	ClsMed 59	-375.08	-0.11	-21.57	-2.59
246	Ft. 47	-310.00	-0.06	13.60	-11.52
	Fc. 59	-361.57	-0.06	12.03	-53.69
	ClsMax 59	-361.57	-0.06	12.03	-4.03
	ClsMed 59	-361.57	-0.06	12.03	-2.42
	Combinazioni Quasi Permanenti				
57	Ft. 60	-323.03	-0.11	-21.03	-1.15
	Fc. 60	-323.03	-0.11	-21.03	-63.23
	ClsMax 60	-323.03	-0.11	-21.03	-5.02
	ClsMed 60	-323.03	-0.11	-21.03	-2.34
246	Ft. 60	-309.53	-0.06	13.30	-11.90
	Fc. 60	-309.53	-0.06	13.30	-50.31
	ClsMax 60	-309.53	-0.06	13.30	-3.85
	ClsMed 60	-309.53	-0.06	13.30	-2.07

- Pilastro: 58/249 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
58	17	-506.07	-0.14	22.89	1.00	1.00	0.27
249	17	-488.50	-0.02	-9.37	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	3.28	75.29	60.05	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
58	Ft. 31	-330.62	-0.06	17.30	-8.25
	Fc. 42	-369.31	-0.09	17.44	-62.28
	ClsMax 42	-369.31	-0.09	17.44	-4.80
	ClsMed 42	-369.31	-0.09	17.44	-2.47
249	Ft. 31	-317.12	-0.02	-8.95	-18.95
	Fc. 42	-355.80	-0.02	-7.74	-46.92
	ClsMax 42	-355.80	-0.02	-7.74	-3.42
	ClsMed 42	-355.80	-0.02	-7.74	-2.38
	Combinazioni Frequenti				
58	Ft. 48	-318.86	-0.06	17.99	-5.97
	Fc. 59	-371.11	-0.10	18.63	-64.18
	ClsMax 59	-371.11	-0.10	18.63	-4.98
	ClsMed 59	-371.11	-0.10	18.63	-2.49
249	Ft. 48	-305.35	-0.02	-10.15	-16.03
	Fc. 59	-357.60	-0.02	-9.01	-48.93
	ClsMax 59	-357.60	-0.02	-9.01	-3.60
	ClsMed 59	-357.60	-0.02	-9.01	-2.40
	Combinazioni Quasi Permanenti				
58	Ft. 60	-318.46	-0.06	17.71	-6.35
	Fc. 60	-318.46	-0.06	17.71	-57.61

	ClsMax 60	-318.46	-0.06	17.71	-4.50
	ClsMed 60	-318.46	-0.06	17.71	-2.17
249	Ft. 60	-304.95	-0.02	-9.87	-16.39
	Fc. 60	-304.95	-0.02	-9.87	-44.89
	ClsMax 60	-304.95	-0.02	-9.87	-3.36
	ClsMed 60	-304.95	-0.02	-9.87	-2.04

- Pilastro: 63/260 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
63	17	-509.48	-0.06	-25.74	1.00	1.00	0.29
260	17	-491.92	-0.33	12.17	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	8.96	75.29	61.83	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
63	Ft. 28	-333.62	-0.09	-19.78	-4.68
	Fc. 42	-372.19	-0.06	-19.80	-65.99
	ClsMax 42	-372.19	-0.06	-19.80	-5.14
	ClsMed 42	-372.19	-0.06	-19.80	-2.51
260	Ft. 30	-320.32	-0.26	11.44	-15.68
	Fc. 42	-358.68	-0.26	10.07	-50.58
	ClsMax 42	-358.68	-0.26	10.07	-3.75
	ClsMed 42	-358.68	-0.26	10.07	-2.40
		Combinazioni Frequenti			
63	Ft. 47	-322.44	-0.14	-20.85	-1.41
	Fc. 59	-374.16	-0.09	-21.24	-68.33
	ClsMax 59	-374.16	-0.09	-21.24	-5.35
	ClsMed 59	-374.16	-0.09	-21.24	-2.57
260	Ft. 47	-308.93	-0.28	13.00	-12.28
	Fc. 59	-360.65	-0.27	11.54	-52.89
	ClsMax 59	-360.65	-0.27	11.54	-3.96
	ClsMed 59	-360.65	-0.27	11.54	-2.42
		Combinazioni Quasi Permanenti			
63	Ft. 60	-322.09	-0.12	-20.66	-1.74
	Fc. 60	-322.09	-0.12	-20.66	-62.54
	ClsMax 60	-322.09	-0.12	-20.66	-4.96
	ClsMed 60	-322.09	-0.12	-20.66	-2.32
260	Ft. 60	-308.59	-0.28	12.78	-12.56
	Fc. 60	-308.59	-0.28	12.78	-49.46
	ClsMax 60	-308.59	-0.28	12.78	-3.78
	ClsMed 60	-308.59	-0.28	12.78	-2.07

- Pilastro: 64/263 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
64	17	-505.55	0.35	22.80	1.00	1.00	0.27
263	17	-487.99	-0.11	-9.15	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	2.52	75.29	60.11	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
64	Ft. 31	-330.26	0.28	17.21	-8.33
	Fc. 42	-368.94	0.29	17.38	-62.16
	ClsMax 42	-368.94	0.29	17.38	-4.79
	ClsMed 42	-368.94	0.29	17.38	-2.47
263	Ft. 31	-316.75	-0.08	-8.78	-19.15
	Fc. 42	-355.43	-0.09	-7.58	-46.66
	ClsMax 42	-355.43	-0.09	-7.58	-3.39
	ClsMed 42	-355.43	-0.09	-7.58	-2.38
		Combinazioni Frequenti			
64	Ft. 48	-318.56	0.35	17.96	-5.97
	Fc. 59	-370.78	0.33	18.61	-64.12
	ClsMax 59	-370.78	0.33	18.61	-4.97
	ClsMed 59	-370.78	0.33	18.61	-2.48
263	Ft. 48	-305.05	-0.10	-10.04	-16.17
	Fc. 59	-357.27	-0.09	-8.88	-48.72
	ClsMax 59	-357.27	-0.09	-8.88	-3.58
	ClsMed 59	-357.27	-0.09	-8.88	-2.39
		Combinazioni Quasi Permanenti			
64	Ft. 60	-318.17	0.36	17.70	-6.34
	Fc. 60	-318.17	0.36	17.70	-57.56
	ClsMax 60	-318.17	0.36	17.70	-4.50
	ClsMed 60	-318.17	0.36	17.70	-2.17
263	Ft. 60	-304.66	-0.10	-9.77	-16.51
	Fc. 60	-304.66	-0.10	-9.77	-44.72
	ClsMax 60	-304.66	-0.10	-9.77	-3.35
	ClsMed 60	-304.66	-0.10	-9.77	-2.04

- Pilastro: 69/274 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
69	17	-508.29	0.27	-25.89	1.00	1.00	0.29
274	17	-490.73	-0.39	11.89	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	11.07	75.29	61.76	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
69	Ft. 28	-332.91	0.05	-19.91	-4.37
	Fc. 42	-371.26	0.19	-19.87	-66.00
	ClsMax 42	-371.26	0.19	-19.87	-5.14
	ClsMed 42	-371.26	0.19	-19.87	-2.51
274	Ft. 28	-319.40	-0.35	11.26	-15.84
	Fc. 42	-357.75	-0.31	9.82	-50.12
	ClsMax 42	-357.75	-0.31	9.82	-3.71
	ClsMed 42	-357.75	-0.31	9.82	-2.40
		Combinazioni Frequenti			
69	Ft. 45	-321.67	0.01	-20.92	-1.19
	Fc. 59	-373.58	0.07	-21.43	-68.56
	ClsMax 59	-373.58	0.07	-21.43	-5.38
	ClsMed 59	-373.58	0.07	-21.43	-2.57
274	Ft. 45	-308.16	-0.37	12.81	-12.48
	Fc. 59	-360.07	-0.35	11.47	-52.73
	ClsMax 59	-360.07	-0.35	11.47	-3.94
	ClsMed 59	-360.07	-0.35	11.47	-2.41
		Combinazioni Quasi Permanenti			
69	Ft. 60	-321.34	0.06	-20.68	-1.60
	Fc. 60	-321.34	0.06	-20.68	-62.51
	ClsMax 60	-321.34	0.06	-20.68	-4.96
	ClsMed 60	-321.34	0.06	-20.68	-2.31
274	Ft. 60	-307.83	-0.36	12.56	-12.81
	Fc. 60	-307.83	-0.36	12.56	-49.06
	ClsMax 60	-307.83	-0.36	12.56	-3.74
	ClsMed 60	-307.83	-0.36	12.56	-2.06

- Pilastro: 70/277 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
70	17	-505.47	0.88	23.73	1.00	1.00	0.28
277	17	-487.91	-0.34	-9.64	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe

0.00	4.05	6.14	75.29	60.64	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
70	Ft. 29	-330.55	0.66	18.06	-7.10
	Fc. 42	-368.95	0.71	18.11	-63.21
	ClsMax 42	-368.95	0.71	18.11	-4.89
	ClsMed 42	-368.95	0.71	18.11	-2.47
277	Ft. 29	-317.04	-0.27	-9.36	-18.35
	Fc. 42	-355.44	-0.26	-7.99	-47.25
	ClsMax 42	-355.44	-0.26	-7.99	-3.45
	ClsMed 42	-355.44	-0.26	-7.99	-2.38
		Combinazioni Frequenti			
70	Ft. 46	-319.06	0.64	18.86	-4.57
	Fc. 59	-371.23	0.56	19.53	-65.51
	ClsMax 59	-371.23	0.56	19.53	-5.10
	ClsMed 59	-371.23	0.56	19.53	-2.50
277	Ft. 46	-305.55	-0.30	-10.71	-15.24
	Fc. 59	-357.72	-0.30	-9.55	-49.73
	ClsMax 59	-357.72	-0.30	-9.55	-3.67
	ClsMed 59	-357.72	-0.30	-9.55	-2.40
		Combinazioni Quasi Permanenti			
70	Ft. 60	-318.65	0.69	18.60	-4.95
	Fc. 60	-318.65	0.69	18.60	-58.96
	ClsMax 60	-318.65	0.69	18.60	-4.63
	ClsMed 60	-318.65	0.69	18.60	-2.21
277	Ft. 60	-305.14	-0.29	-10.43	-15.62
	Fc. 60	-305.14	-0.29	-10.43	-45.71
	ClsMax 60	-305.14	-0.29	-10.43	-3.44
	ClsMed 60	-305.14	-0.29	-10.43	-2.04

- Pilastro: 75/288 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
75	17	-446.36	-4.89	28.00	1.00	1.00	0.28
288	19	-290.38	0.18	-25.48	1.00	1.00	0.22
288	19	-290.38	0.18	-25.48	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	7.80	75.29	64.66	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
75	Ft. 28	-293.01	-3.49	20.86	2.82
	Fc. 42	-326.26	-3.68	21.26	-63.95

	ClsMax 42	-326.26	-3.68	21.26	-5.12
	ClsMed 42	-326.26	-3.68	21.26	-2.38
288	Ft. 28	-279.50	0.19	-13.60	-8.46
	Fc. 42	-312.75	0.19	-12.90	-50.05
	ClsMax 42	-312.75	0.19	-12.90	-3.82
	ClsMed 42	-312.75	0.19	-12.90	-2.10
	Combinazioni Frequenti				
75	Ft. 45	-282.93	-3.44	21.39	5.63
	Fc. 59	-327.78	-3.67	22.35	-65.91
	ClsMax 59	-327.78	-3.67	22.35	-5.30
	ClsMed 59	-327.78	-3.67	22.35	-2.44
288	Ft. 47	-269.50	0.20	-14.53	-6.09
	Fc. 59	-314.27	0.20	-14.01	-51.80
	ClsMax 59	-314.27	0.20	-14.01	-3.98
	ClsMed 59	-314.27	0.20	-14.01	-2.11
	Combinazioni Quasi Permanenti				
75	Ft. 60	-282.70	-3.45	21.20	5.22
	Fc. 60	-282.70	-3.45	21.20	-60.23
	ClsMax 60	-282.70	-3.45	21.20	-4.90
	ClsMed 60	-282.70	-3.45	21.20	-2.22
288	Ft. 60	-269.20	0.20	-14.34	-6.34
	Fc. 60	-269.20	0.20	-14.34	-47.75
	ClsMax 60	-269.20	0.20	-14.34	-3.72
	ClsMed 60	-269.20	0.20	-14.34	-1.82

- Pilastro: 76/291 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
76	17	-466.52	6.18	27.44	1.00	1.00	0.28
291	17	-448.96	-1.59	-14.48	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	11.77	75.29	62.48	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
76	Ft. 29	-306.45	4.51	20.84	0.95
	Fc. 42	-340.98	4.68	20.93	-64.77
	ClsMax 42	-340.98	4.68	20.93	-5.18
	ClsMed 42	-340.98	4.68	20.93	-2.43
291	Ft. 29	-292.94	-1.02	-12.83	-10.92
	Fc. 42	-327.47	-1.15	-11.63	-49.69
	ClsMax 42	-327.47	-1.15	-11.63	-3.75
	ClsMed 42	-327.47	-1.15	-11.63	-2.19
	Combinazioni Frequenti				
76	Ft. 48	-295.50	4.41	21.15	3.21
	Fc. 59	-342.07	4.61	21.68	-66.07

	ClsMax 59	-342.07	4.61	21.68	-5.30
	ClsMed 59	-342.07	4.61	21.68	-2.47
291	Ft. 48	-281.99	-0.97	-13.59	-8.73
	Fc. 59	-328.56	-1.17	-12.40	-50.92
	ClsMax 59	-328.56	-1.17	-12.40	-3.86
	ClsMed 59	-328.56	-1.17	-12.40	-2.20
	Combinazioni Quasi Permanenti				
76	Ft. 60	-295.14	4.44	20.93	2.78
	Fc. 60	-295.14	4.44	20.93	-60.78
	ClsMax 60	-295.14	4.44	20.93	-4.94
	ClsMed 60	-295.14	4.44	20.93	-2.26
291	Ft. 60	-281.63	-0.98	-13.35	-9.03
	Fc. 60	-281.63	-0.98	-13.35	-47.57
	ClsMax 60	-281.63	-0.98	-13.35	-3.67
	ClsMed 60	-281.63	-0.98	-13.35	-1.89

- Pilastro: 79/299 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
79	17	-384.21	0.11	30.24	1.00	1.00	0.27
299	18	-253.54	0.59	-28.96	1.00	1.00	0.23
299	18	-253.54	0.59	-28.96	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	5.31	75.29	68.74	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
79	Ft. 28	-254.01	-0.02	22.49	13.87
	Fc. 42	-281.38	0.05	22.93	-63.25
	ClsMax 42	-281.38	0.05	22.93	-5.16
	ClsMed 42	-281.38	0.05	22.93	-2.32
299	Ft. 28	-240.50	0.59	-16.59	1.01
	Fc. 42	-267.87	0.59	-16.14	-50.36
	ClsMax 42	-267.87	0.59	-16.14	-3.97
	ClsMed 42	-267.87	0.59	-16.14	-1.88
	Combinazioni Frequenti				
79	Ft. 45	-245.87	-0.06	22.98	17.34
	Fc. 59	-283.08	0.04	24.10	-65.62
	ClsMax 59	-283.08	0.04	24.10	-5.39
	ClsMed 59	-283.08	0.04	24.10	-2.40
299	Ft. 45	-232.36	0.59	-17.41	4.07
	Fc. 59	-269.57	0.60	-17.36	-52.46
	ClsMax 59	-269.57	0.60	-17.36	-4.16
	ClsMed 59	-269.57	0.60	-17.36	-1.94
	Combinazioni Quasi Permanenti				
79	Ft. 60	-245.57	-0.06	22.76	16.65

	Fc. 60	-245.57	-0.06	22.76	-60.63
	ClsMax 60	-245.57	-0.06	22.76	-5.04
	ClsMed 60	-245.57	-0.06	22.76	-2.23
299	Ft. 60	-232.06	0.58	-17.18	3.57
	Fc. 60	-232.06	0.58	-17.18	-48.98
	ClsMax 60	-232.06	0.58	-17.18	-3.95
	ClsMed 60	-232.06	0.58	-17.18	-1.80

- Pilastro: 80/300 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
80	17	-369.74	-0.37	-32.06	1.00	1.00	0.28
300	22	-243.51	-0.66	30.11	1.00	1.00	0.24
300	22	-243.51	-0.66	30.11	1.00	1.00	0.24

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	7.27	75.29	69.64	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
80	Ft. 29	-245.62	-0.53	-24.02	20.99
	Fc. 42	-271.06	-0.35	-24.31	-65.28
	ClsMax 42	-271.06	-0.35	-24.31	-5.40
	ClsMed 42	-271.06	-0.35	-24.31	-2.40
300	Ft. 29	-232.11	-0.46	19.09	8.41
	Fc. 42	-257.55	-0.59	18.57	-53.47
	ClsMax 42	-257.55	-0.59	18.57	-4.29
	ClsMed 42	-257.55	-0.59	18.57	-1.96
		Combinazioni Frequenti			
80	Ft. 46	-237.46	-0.62	-24.14	23.66
	Fc. 59	-272.28	-0.45	-25.13	-67.01
	ClsMax 59	-272.28	-0.45	-25.13	-5.57
	ClsMed 59	-272.28	-0.45	-25.13	-2.46
300	Ft. 46	-223.95	-0.42	19.49	11.20
	Fc. 59	-258.77	-0.58	19.43	-55.11
	ClsMax 59	-258.77	-0.58	19.43	-4.45
	ClsMed 59	-258.77	-0.58	19.43	-2.02
		Combinazioni Quasi Permanenti			
80	Ft. 60	-237.08	-0.59	-23.88	22.81
	Fc. 60	-237.08	-0.59	-23.88	-62.53
	ClsMax 60	-237.08	-0.59	-23.88	-5.27
	ClsMed 60	-237.08	-0.59	-23.88	-2.31
300	Ft. 60	-223.57	-0.43	19.21	10.46
	Fc. 60	-223.57	-0.43	19.21	-52.19
	ClsMax 60	-223.57	-0.43	19.21	-4.29
	ClsMed 60	-223.57	-0.43	19.21	-1.91

- Pilastro: 85/313 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
85	17	-378.57	0.62	27.60	1.00	1.00	0.25
313	19	-248.10	1.01	-25.35	1.00	1.00	0.21
313	19	-248.10	1.01	-25.35	1.00	1.00	0.21

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	14.00	75.29	67.15	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
85	Ft. 28	-249.77	0.38	20.42	8.72
	Fc. 42	-277.12	0.46	20.92	-59.21
	ClsMax 42	-277.12	0.46	20.92	-4.78
	ClsMed 42	-277.12	0.46	20.92	-2.17
313	Ft. 28	-236.26	0.66	-14.03	-3.27
	Fc. 42	-263.61	0.64	-13.63	-46.16
	ClsMax 42	-263.61	0.64	-13.63	-3.59
	ClsMed 42	-263.61	0.64	-13.63	-1.77
		Combinazioni Frequenti			
85	Ft. 45	-241.82	0.44	20.99	11.94
	Fc. 59	-278.89	0.53	22.10	-61.51
	ClsMax 59	-278.89	0.53	22.10	-5.00
	ClsMed 59	-278.89	0.53	22.10	-2.25
313	Ft. 45	-228.31	0.66	-14.96	-0.62
	Fc. 59	-265.38	0.66	-14.87	-48.16
	ClsMax 59	-265.38	0.66	-14.87	-3.77
	ClsMed 59	-265.38	0.66	-14.87	-1.82
		Combinazioni Quasi Permanenti			
85	Ft. 60	-241.57	0.46	20.81	11.43
	Fc. 60	-241.57	0.46	20.81	-56.47
	ClsMax 60	-241.57	0.46	20.81	-4.65
	ClsMed 60	-241.57	0.46	20.81	-2.07
313	Ft. 60	-228.06	0.66	-14.77	-0.96
	Fc. 60	-228.06	0.66	-14.77	-44.51
	ClsMax 60	-228.06	0.66	-14.77	-3.53
	ClsMed 60	-228.06	0.66	-14.77	-1.65

- Pilastro: 86/314 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
86	17	-393.04	-1.99	-34.65	1.00	1.00	0.30
314	17	-375.48	-0.21	26.25	1.00	1.00	0.25

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	14.29	75.29	68.59	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
86	Ft. 29	-260.79	-1.57	-25.85	23.61
	Fc. 42	-288.02	-1.52	-26.23	-70.19
	ClsMax 42	-288.02	-1.52	-26.23	-5.82
	ClsMed 42	-288.02	-1.52	-26.23	-2.58
314	Ft. 29	-247.28	-0.06	20.72	10.03
	Fc. 42	-274.52	-0.13	20.21	-57.74
	ClsMax 42	-274.52	-0.13	20.21	-4.65
	ClsMed 42	-274.52	-0.13	20.21	-2.12
		Combinazioni Frequenti			
86	Ft. 46	-252.07	-1.63	-25.95	26.46
	Fc. 59	-289.40	-1.67	-27.13	-72.11
	ClsMax 59	-289.40	-1.67	-27.13	-6.01
	ClsMed 59	-289.40	-1.67	-27.13	-2.65
314	Ft. 46	-238.56	-0.05	21.14	13.07
	Fc. 59	-275.89	-0.14	21.17	-59.58
	ClsMax 59	-275.89	-0.14	21.17	-4.82
	ClsMed 59	-275.89	-0.14	21.17	-2.18
		Combinazioni Quasi Permanenti			
86	Ft. 60	-251.63	-1.58	-25.66	25.49
	Fc. 60	-251.63	-1.58	-25.66	-67.06
	ClsMax 60	-251.63	-1.58	-25.66	-5.67
	ClsMed 60	-251.63	-1.58	-25.66	-2.48
314	Ft. 60	-238.12	-0.06	20.83	12.22
	Fc. 60	-238.12	-0.06	20.83	-56.30
	ClsMax 60	-238.12	-0.06	20.83	-4.64
	ClsMed 60	-238.12	-0.06	20.83	-2.06

- Pilastro: 89/323 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
89	17	-372.06	-0.09	24.52	1.00	1.00	0.24
323	19	-240.28	2.20	-21.41	1.00	1.00	0.18
323	19	-240.28	2.20	-21.41	1.00	1.00	0.18

- Verifiche a Taglio

Da	A	Vdx	Vrx	Vdy	Vry	Staffe

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	20.31	75.29	64.04	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
89	Ft. 28	-245.16	-0.35	18.26	4.01
	Fc. 42	-272.26	-0.09	18.61	-54.77
	ClsMax 42	-272.26	-0.09	18.61	-4.37
	ClsMed 42	-272.26	-0.09	18.61	-2.02
323	Ft. 28	-231.65	0.70	-11.30	-6.97
	Fc. 42	-258.75	0.75	-10.74	-41.50
	ClsMax 42	-258.75	0.75	-10.74	-3.17
	ClsMed 42	-258.75	0.75	-10.74	-1.73
	Combinazioni Frequenti				
89	Ft. 45	-237.27	-0.08	18.83	6.76
	Fc. 59	-273.96	0.11	19.75	-56.88
	ClsMax 59	-273.96	0.11	19.75	-4.57
	ClsMed 59	-273.96	0.11	19.75	-2.09
323	Ft. 45	-223.76	0.75	-12.25	-4.76
	Fc. 59	-260.45	0.80	-11.94	-43.41
	ClsMax 59	-260.45	0.80	-11.94	-3.34
	ClsMed 59	-260.45	0.80	-11.94	-1.74
	Combinazioni Quasi Permanenti				
89	Ft. 60	-237.03	-0.01	18.64	6.30
	Fc. 60	-237.03	-0.01	18.64	-52.01
	ClsMax 60	-237.03	-0.01	18.64	-4.22
	ClsMed 60	-237.03	-0.01	18.64	-1.91
323	Ft. 60	-223.52	0.76	-12.06	-5.03
	Fc. 60	-223.52	0.76	-12.06	-39.88
	ClsMax 60	-223.52	0.76	-12.06	-3.11
	ClsMed 60	-223.52	0.76	-12.06	-1.51

- Pilastro: 90/324 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
90	17	-395.07	-1.52	-35.73	1.00	1.00	0.30
324	17	-377.50	-0.03	27.50	1.00	1.00	0.25

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	13.27	75.29	67.45	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
90	Ft. 29	-261.88	-1.34	-26.46	25.55
	Fc. 42	-289.42	-1.19	-26.98	-71.79

	ClsMax 42	-289.42	-1.19	-26.98	-5.98
	ClsMed 42	-289.42	-1.19	-26.98	-2.64
324	Ft. 29	-248.37	0.03	21.40	11.77
	Fc. 42	-275.91	-0.01	21.07	-59.38
	ClsMax 42	-275.91	-0.01	21.07	-4.80
	ClsMed 42	-275.91	-0.01	21.07	-2.18
	Combinazioni Frequenti				
90	Ft. 46	-253.10	-1.40	-26.55	28.45
	Fc. 59	-290.88	-1.35	-27.96	-73.91
	ClsMax 59	-290.88	-1.35	-27.96	-6.19
	ClsMed 59	-290.88	-1.35	-27.96	-2.72
324	Ft. 46	-239.59	0.02	21.79	14.89
	Fc. 59	-277.37	-0.02	22.10	-61.41
	ClsMax 59	-277.37	-0.02	22.10	-5.00
	ClsMed 59	-277.37	-0.02	22.10	-2.25
	Combinazioni Quasi Permanenti				
90	Ft. 60	-252.64	-1.33	-26.24	27.38
	Fc. 60	-252.64	-1.33	-26.24	-68.35
	ClsMax 60	-252.64	-1.33	-26.24	-5.80
	ClsMed 60	-252.64	-1.33	-26.24	-2.53
324	Ft. 60	-239.13	0.02	21.46	13.95
	Fc. 60	-239.13	0.02	21.46	-57.62
	ClsMax 60	-239.13	0.02	21.46	-4.77
	ClsMed 60	-239.13	0.02	21.46	-2.11

- Pilastro: 93/333 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
93	17	-363.48	-3.67	22.47	1.00	1.00	0.22
333	17	-345.91	0.95	-8.57	1.00	1.00	0.16

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	12.57	75.29	60.51	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
93	Ft. 28	-239.71	-2.80	17.21	2.63
	Fc. 42	-265.89	-2.76	17.12	-51.77
	ClsMax 42	-265.89	-2.76	17.12	-4.14
	ClsMed 42	-265.89	-2.76	17.12	-1.93
333	Ft. 28	-226.20	0.72	-8.15	-10.96
	Fc. 42	-252.38	0.72	-6.98	-35.44
	ClsMax 42	-252.38	0.72	-6.98	-2.63
	ClsMed 42	-252.38	0.72	-6.98	-1.69
	Combinazioni Frequenti				
93	Ft. 45	-231.11	-2.63	17.44	4.49
	Fc. 59	-266.78	-2.71	17.92	-53.17

	ClsMax 59	-266.78	-2.71	17.92	-4.27
	ClsMed 59	-266.78	-2.71	17.92	-1.97
333	Ft. 45	-217.60	0.69	-8.67	-9.36
	Fc. 59	-253.27	0.71	-7.70	-36.56
	ClsMax 59	-253.27	0.71	-7.70	-2.73
	ClsMed 59	-253.27	0.71	-7.70	-1.70
	Combinazioni Quasi Permanenti				
93	Ft. 60	-230.79	-2.57	17.17	3.90
	Fc. 60	-230.79	-2.57	17.17	-48.92
	ClsMax 60	-230.79	-2.57	17.17	-3.97
	ClsMed 60	-230.79	-2.57	17.17	-1.80
333	Ft. 60	-217.28	0.68	-8.41	-9.69
	Fc. 60	-217.28	0.68	-8.41	-33.98
	ClsMax 60	-217.28	0.68	-8.41	-2.58
	ClsMed 60	-217.28	0.68	-8.41	-1.46

- Pilastro: 94/334 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
94	17	-393.63	-0.39	-34.29	1.00	1.00	0.30
334	17	-376.07	0.19	26.10	1.00	1.00	0.25

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	12.40	75.29	66.56	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
94	Ft. 29	-260.80	-0.59	-25.46	22.13
	Fc. 42	-288.34	-0.36	-25.91	-69.54
	ClsMax 42	-288.34	-0.36	-25.91	-5.76
	ClsMed 42	-288.34	-0.36	-25.91	-2.55
334	Ft. 29	-247.29	0.14	20.40	9.12
	Fc. 42	-274.83	0.14	20.02	-57.43
	ClsMax 42	-274.83	0.14	20.02	-4.62
	ClsMed 42	-274.83	0.14	20.02	-2.11
	Combinazioni Frequenti				
94	Ft. 46	-252.01	-0.68	-25.59	25.02
	Fc. 59	-289.72	-0.52	-26.90	-71.65
	ClsMax 59	-289.72	-0.52	-26.90	-5.96
	ClsMed 59	-289.72	-0.52	-26.90	-2.63
334	Ft. 46	-238.50	0.12	20.81	12.09
	Fc. 59	-276.21	0.13	21.04	-59.37
	ClsMax 59	-276.21	0.13	21.04	-4.80
	ClsMed 59	-276.21	0.13	21.04	-2.18
	Combinazioni Quasi Permanenti				
94	Ft. 60	-251.59	-0.61	-25.29	24.00
	Fc. 60	-251.59	-0.61	-25.29	-66.24

	ClsMax 60	-251.59	-0.61	-25.29	-5.59
	ClsMed 60	-251.59	-0.61	-25.29	-2.45
334	Ft. 60	-238.08	0.12	20.50	11.24
	Fc. 60	-238.08	0.12	20.50	-55.64
	ClsMax 60	-238.08	0.12	20.50	-4.58
	ClsMed 60	-238.08	0.12	20.50	-2.04

- Pilastro: 95/339 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
95	17	-456.35	8.73	21.61	1.00	1.00	0.26
339	17	-438.79	-1.97	-4.75	1.00	1.00	0.18

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	16.02	75.29	53.77	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
95	Ft. 28	-298.74	6.12	16.83	-5.43
	Fc. 42	-333.27	6.54	16.63	-57.51
	ClsMax 42	-333.27	6.54	16.63	-4.62
	ClsMed 42	-333.27	6.54	16.63	-2.25
339	Ft. 28	-285.24	-1.36	-5.96	-20.05
	Fc. 42	-319.76	-1.47	-4.39	-38.46
	ClsMax 42	-319.76	-1.47	-4.39	-2.76
	ClsMed 42	-319.76	-1.47	-4.39	-2.14
		Combinazioni Frequenti			
95	Ft. 45	-288.11	6.19	17.50	-2.96
	Fc. 59	-334.66	6.75	17.71	-59.25
	ClsMax 59	-334.66	6.75	17.71	-4.78
	ClsMed 59	-334.66	6.75	17.71	-2.30
339	Ft. 45	-274.60	-1.36	-7.12	-17.31
	Fc. 59	-321.15	-1.50	-5.45	-40.14
	ClsMax 59	-321.15	-1.50	-5.45	-2.91
	ClsMed 59	-321.15	-1.50	-5.45	-2.15
		Combinazioni Quasi Permanenti			
95	Ft. 60	-287.89	6.19	17.30	-3.30
	Fc. 60	-287.89	6.19	17.30	-54.17
	ClsMax 60	-287.89	6.19	17.30	-4.42
	ClsMed 60	-287.89	6.19	17.30	-2.07
339	Ft. 60	-274.38	-1.36	-6.94	-17.55
	Fc. 60	-274.38	-1.36	-6.94	-37.59
	ClsMax 60	-274.38	-1.36	-6.94	-2.78
	ClsMed 60	-274.38	-1.36	-6.94	-1.84

- Pilastro: 96/340 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
96	17	-561.18	2.17	22.92	1.00	1.00	0.29
340	17	-543.61	0.28	-6.52	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	15.65	75.29	50.67	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
96	Ft. 28	-366.33	1.47	18.05	-10.76
	Fc. 42	-409.45	1.66	17.72	-66.72
	ClsMax 42	-409.45	1.66	17.72	-5.12
	ClsMed 42	-409.45	1.66	17.72	-2.74
340	Ft. 28	-352.82	0.21	-7.88	-24.08
	Fc. 42	-395.94	0.23	-5.93	-48.35
	ClsMax 42	-395.94	0.23	-5.93	-3.44
	ClsMed 42	-395.94	0.23	-5.93	-2.65
		Combinazioni Frequenti			
96	Ft. 45	-353.13	1.67	18.96	-8.08
	Fc. 59	-411.35	1.81	19.05	-68.83
	ClsMax 59	-411.35	1.81	19.05	-5.31
	ClsMed 59	-411.35	1.81	19.05	-2.76
340	Ft. 45	-339.62	0.25	-9.38	-20.59
	Fc. 59	-397.84	0.25	-7.32	-50.55
	ClsMax 59	-397.84	0.25	-7.32	-3.64
	ClsMed 59	-397.84	0.25	-7.32	-2.67
		Combinazioni Quasi Permanenti			
96	Ft. 60	-352.81	1.73	18.74	-8.38
	Fc. 60	-352.81	1.73	18.74	-62.51
	ClsMax 60	-352.81	1.73	18.74	-4.87
	ClsMed 60	-352.81	1.73	18.74	-2.38
340	Ft. 60	-339.30	0.26	-9.14	-20.90
	Fc. 60	-339.30	0.26	-9.14	-47.29
	ClsMax 60	-339.30	0.26	-9.14	-3.49
	ClsMed 60	-339.30	0.26	-9.14	-2.27

- Pilastro: 97/341 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
97	17	-564.14	-2.04	-23.91	1.00	1.00	0.30
341	17	-546.58	-0.23	8.02	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.00	4.05	12.73	75.29	50.98	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
97	Ft. 29	-368.50	-1.65	-18.79	-9.91
	Fc. 42	-411.66	-1.57	-18.45	-68.00
	ClsMax 42	-411.66	-1.57	-18.45	-5.23
	ClsMed 42	-411.66	-1.57	-18.45	-2.76
341	Ft. 29	-354.99	-0.20	8.99	-22.70
	Fc. 42	-398.15	-0.18	7.05	-50.18
	ClsMax 42	-398.15	-0.18	7.05	-3.61
	ClsMed 42	-398.15	-0.18	7.05	-2.67
		Combinazioni Frequenti			
97	Ft. 46	-355.27	-1.74	-19.70	-7.17
	Fc. 59	-413.67	-1.78	-19.85	-70.21
	ClsMax 59	-413.67	-1.78	-19.85	-5.43
	ClsMed 59	-413.67	-1.78	-19.85	-2.77
341	Ft. 46	-341.76	-0.23	10.47	-19.22
	Fc. 59	-400.16	-0.23	8.51	-52.49
	ClsMax 59	-400.16	-0.23	8.51	-3.82
	ClsMed 59	-400.16	-0.23	8.51	-2.68
		Combinazioni Quasi Permanenti			
97	Ft. 60	-354.90	-1.68	-19.45	-7.53
	Fc. 60	-354.90	-1.68	-19.45	-63.76
	ClsMax 60	-354.90	-1.68	-19.45	-4.98
	ClsMed 60	-354.90	-1.68	-19.45	-2.42
341	Ft. 60	-341.39	-0.22	10.21	-19.57
	Fc. 60	-341.39	-0.22	10.21	-49.04
	ClsMax 60	-341.39	-0.22	10.21	-3.65
	ClsMed 60	-341.39	-0.22	10.21	-2.29

- Pilastro: 98/342 / L 4.05[m] / Sezione 1 R 200 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 8ϕ16 V >**

Staffe: **ø 8/100' x 4050**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
98	17	-475.66	5.26	-27.94	1.00	1.00	0.29
342	17	-458.10	0.70	15.64	1.00	1.00	0.23

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe

0.00	4.05	18.52	75.29	59.19	75.29	ø 8/100'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
98	Ft. 29	-312.59	3.44	-21.41	1.15
	Fc. 42	-347.61	3.86	-21.31	-65.97
	ClsMax 42	-347.61	3.86	-21.31	-5.25
	ClsMed 42	-347.61	3.86	-21.31	-2.47
342	Ft. 29	-299.08	0.47	13.80	-10.14
	Fc. 42	-334.10	0.51	12.48	-51.58
	ClsMax 42	-334.10	0.51	12.48	-3.91
	ClsMed 42	-334.10	0.51	12.48	-2.24
		Combinazioni Frequenti			
98	Ft. 46	-301.47	3.27	-21.85	3.73
	Fc. 59	-349.19	3.74	-22.45	-67.94
	ClsMax 59	-349.19	3.74	-22.45	-5.43
	ClsMed 59	-349.19	3.74	-22.45	-2.53
342	Ft. 46	-287.96	0.44	14.65	-7.78
	Fc. 59	-335.68	0.49	13.65	-53.43
	ClsMax 59	-335.68	0.49	13.65	-4.07
	ClsMed 59	-335.68	0.49	13.65	-2.25
		Combinazioni Quasi Permanenti			
98	Ft. 60	-301.03	3.31	-21.54	3.10
	Fc. 60	-301.03	3.31	-21.54	-62.27
	ClsMax 60	-301.03	3.31	-21.54	-5.03
	ClsMed 60	-301.03	3.31	-21.54	-2.30
342	Ft. 60	-287.52	0.44	14.33	-8.21
	Fc. 60	-287.52	0.44	14.33	-49.58
	ClsMax 60	-287.52	0.44	14.33	-3.84
	ClsMed 60	-287.52	0.44	14.33	-1.93

- Pilastro: 623/699 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
623	22	-184.64	-133.26	28.25	1.00	1.00	0.37
623	22	-184.64	-133.26	28.25	1.00	1.00	0.37
699	2	-165.22	0.01	-0.03	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	212.26	522.01	750.60	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			

623	Ft. 31	-71.99	-34.79	19.84	44.51
	Fc. 31	-71.99	-34.79	19.84	-21.07
	ClsMax 31	-71.99	-34.79	19.84	-2.12
	ClsMed 31	-71.99	-34.79	19.84	-0.85
699	Ft. 30	-43.73	-0.02	0.02	-1.28
	Fc. 27	-130.03	0.00	-0.02	-3.83
	ClsMax 27	-130.03	0.00	-0.02	-0.26
	ClsMed 27	-130.03	0.00	-0.02	-0.26
	Combinazioni Frequenti				
623	Ft. 48	-160.68	-22.49	10.14	8.34
	Fc. 48	-160.68	-22.49	10.14	-14.55
	ClsMax 48	-160.68	-22.49	10.14	-1.22
	ClsMed 48	-160.68	-22.49	10.14	-0.54
699	Ft. 47	-134.17	-0.01	0.02	-3.95
	Fc. 44	-171.70	0.00	0.01	-5.06
	ClsMax 44	-171.70	0.00	0.01	-0.34
	ClsMed 44	-171.70	0.00	0.01	-0.34
	Combinazioni Quasi Permanenti				
623	Ft. 60	-173.92	-14.82	5.56	0.46
	Fc. 60	-173.92	-14.82	5.56	-10.56
	ClsMax 60	-173.92	-14.82	5.56	-0.83
	ClsMed 60	-173.92	-14.82	5.56	-0.38
699	Ft. 60	-149.17	0.00	0.01	-4.39
	Fc. 60	-149.17	0.00	0.01	-4.40
	ClsMax 60	-149.17	0.00	0.01	-0.29
	ClsMed 60	-149.17	0.00	0.01	-0.29

- Pilastro: 624/700 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
624	22	-269.63	-174.95	-5.74	1.00	1.00	0.47
624	22	-269.63	-174.95	-5.74	1.00	1.00	0.47
700	22	-244.88	0.31	0.04	1.00	1.00	0.03
700	22	-244.88	0.31	0.04	1.00	1.00	0.03

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	247.62	522.01	561.69	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
624	Ft. 31	-93.37	-48.78	0.09	54.50
	Fc. 31	-93.37	-48.78	0.09	-20.60
	ClsMax 31	-93.37	-48.78	0.09	-2.32
	ClsMed 31	-93.37	-48.78	0.09	-1.16
700	Ft. 30	-52.83	0.03	0.09	-1.53
	Fc. 27	-160.26	0.06	0.05	-4.74
	ClsMax 27	-160.26	0.06	0.05	-0.32

	ClsMed 27	-160.26	0.06	0.05	-0.31
		Combinazioni Frequenti			
624	Ft. 48	-209.51	-30.00	0.06	8.61
	Fc. 48	-209.51	-30.00	0.06	-16.50
	ClsMax 48	-209.51	-30.00	0.06	-1.42
	ClsMed 48	-209.51	-30.00	0.06	-0.71
700	Ft. 47	-176.86	0.04	0.06	-5.19
	Fc. 44	-225.12	0.05	0.04	-6.65
	ClsMax 44	-225.12	0.05	0.04	-0.44
	ClsMed 44	-225.12	0.05	0.04	-0.44
		Combinazioni Quasi Permanenti			
624	Ft. 60	-228.03	-18.27	0.05	-1.06
	Fc. 60	-228.03	-18.27	0.05	-12.31
	ClsMax 60	-228.03	-18.27	0.05	-0.96
	ClsMed 60	-228.03	-18.27	0.05	-0.48
700	Ft. 60	-203.28	0.05	0.05	-5.97
	Fc. 60	-203.28	0.05	0.05	-6.01
	ClsMax 60	-203.28	0.05	0.05	-0.40
	ClsMed 60	-203.28	0.05	0.05	-0.40

- Pilastro: 625/701 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
625	23	-183.57	146.67	-14.70	1.00	1.00	0.42
625	23	-183.57	146.67	-14.70	1.00	1.00	0.42
701	18	-244.19	0.29	-0.16	1.00	1.00	0.03
701	18	-244.19	0.29	-0.16	1.00	1.00	0.03

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	238.67	522.01	715.84	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
625	Ft. 31	-65.32	34.01	-0.14	37.98
	Fc. 31	-65.32	34.01	-0.14	-14.40
	ClsMax 31	-65.32	34.01	-0.14	-1.62
	ClsMed 31	-65.32	34.01	-0.14	-0.81
701	Ft. 31	-40.57	-0.01	-0.14	-1.17
	Fc. 26	-148.94	0.02	-0.10	-4.41
	ClsMax 26	-148.94	0.02	-0.10	-0.29
	ClsMed 26	-148.94	0.02	-0.10	-0.29
		Combinazioni Frequenti			
625	Ft. 48	-198.70	16.71	-0.09	-0.59
	Fc. 48	-198.70	16.71	-0.09	-11.00
	ClsMax 48	-198.70	16.71	-0.09	-0.86
	ClsMed 43	-247.51	6.10	-0.07	-0.49
701	Ft. 48	-173.95	0.01	-0.09	-5.11

		Fc. 43	-222.76	0.03	-0.07	-6.58
		ClsMax 43	-222.76	0.03	-0.07	-0.44
		ClsMed 43	-222.76	0.03	-0.07	-0.44
		Combinazioni Quasi Permanenti				
	625	Ft. 60	-226.01	5.61	-0.08	-4.94
		Fc. 60	-226.01	5.61	-0.08	-8.38
		ClsMax 60	-226.01	5.61	-0.08	-0.60
		ClsMed 60	-226.01	5.61	-0.08	-0.44
	701	Ft. 60	-201.26	0.03	-0.08	-5.91
		Fc. 60	-201.26	0.03	-0.08	-5.95
		ClsMax 60	-201.26	0.03	-0.08	-0.40
		ClsMed 60	-201.26	0.03	-0.08	-0.40

- Pilastro: 626/702 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
626	18	-177.94	-132.08	-30.69	1.00	1.00	0.37
626	18	-177.94	-132.08	-30.69	1.00	1.00	0.37
702	1	-160.52	-0.03	0.07	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	225.00	522.01	736.23	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
626	Ft. 31	-66.30	16.77	9.29	14.90
	Fc. 31	-66.30	16.77	9.29	-10.67
	ClsMax 31	-66.30	16.77	9.29	-0.99
	ClsMed 31	-66.30	16.77	9.29	-0.41
702	Ft. 31	-41.55	-0.05	-0.01	-1.21
	Fc. 26	-125.44	-0.02	0.05	-3.71
	ClsMax 26	-125.44	-0.02	0.05	-0.25
	ClsMed 26	-125.44	-0.02	0.05	-0.25
		Combinazioni Frequenti			
626	Ft. 47	-150.36	-9.81	-1.46	-1.24
	Fc. 47	-150.36	-9.81	-1.46	-7.62
	ClsMax 47	-150.36	-9.81	-1.46	-0.58
	ClsMed 43	-185.32	-4.03	3.04	-0.36
702	Ft. 48	-124.21	-0.03	0.01	-3.65
	Fc. 43	-160.57	-0.01	0.04	-4.74
	ClsMax 43	-160.57	-0.01	0.04	-0.32
	ClsMed 43	-160.57	-0.01	0.04	-0.32
		Combinazioni Quasi Permanenti			
626	Ft. 60	-162.97	-3.97	2.11	-3.29
	Fc. 60	-162.97	-3.97	2.11	-6.31
	ClsMax 60	-162.97	-3.97	2.11	-0.45
	ClsMed 60	-162.97	-3.97	2.11	-0.32

702	Ft. 60	-138.22	-0.01	0.03	-4.06
	Fc. 60	-138.22	-0.01	0.03	-4.08
	ClsMax 60	-138.22	-0.01	0.03	-0.27
	ClsMed 60	-138.22	-0.01	0.03	-0.27

- Pilastro: 627/703 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
627	19	-155.34	95.41	-42.71	1.00	1.00	0.26
627	19	-155.34	95.41	-42.71	1.00	1.00	0.26
703	2	-172.18	0.00	-0.09	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	210.62	522.01	641.91	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
627	Ft. 31	-86.04	-3.26	39.21	10.22
	Fc. 31	-86.04	-3.26	39.21	-11.28
	ClsMax 30	-79.59	14.02	13.17	-0.90
	ClsMed 31	-86.04	-3.26	39.21	-0.36
703	Ft. 30	-54.84	-0.02	-0.07	-1.60
	Fc. 27	-133.91	0.00	-0.06	-3.95
	ClsMax 27	-133.91	0.00	-0.06	-0.26
	ClsMed 27	-133.91	0.00	-0.06	-0.26
		Combinazioni Frequenti			
627	Ft. 47	-153.69	13.16	7.96	0.97
	Fc. 59	-168.20	10.45	14.46	-10.25
	ClsMax 59	-168.20	10.45	14.46	-0.78
	ClsMed 44	-188.22	9.61	11.01	-0.37
703	Ft. 47	-128.94	-0.02	-0.04	-3.79
	Fc. 44	-163.47	-0.00	-0.04	-4.82
	ClsMax 44	-163.47	-0.00	-0.04	-0.32
	ClsMed 44	-163.47	-0.00	-0.04	-0.32
		Combinazioni Quasi Permanenti			
627	Ft. 60	-168.20	9.43	12.55	-0.28
	Fc. 60	-168.20	9.43	12.55	-9.62
	ClsMax 60	-168.20	9.43	12.55	-0.73
	ClsMed 60	-168.20	9.43	12.55	-0.34
703	Ft. 60	-143.45	-0.01	-0.04	-4.22
	Fc. 60	-143.45	-0.01	-0.04	-4.23
	ClsMax 60	-143.45	-0.01	-0.04	-0.28
	ClsMed 60	-143.45	-0.01	-0.04	-0.28

- Pilastro: 628/704 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
628	23	-158.74	107.28	93.33	1.00	1.00	0.31
628	23	-158.74	107.28	93.33	1.00	1.00	0.31
704	1	-183.20	-0.03	0.12	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	215.35	522.01	664.80	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
628	Ft. 31	-87.02	27.79	14.30	28.81
	Fc. 31	-87.02	27.79	14.30	-17.00
	ClsMax 31	-87.02	27.79	14.30	-1.64
	ClsMed 31	-87.02	27.79	14.30	-0.67
704	Ft. 31	-62.27	-0.05	0.11	-1.80
	Fc. 26	-141.25	-0.02	0.09	-4.18
	ClsMax 26	-141.25	-0.02	0.09	-0.28
	ClsMed 26	-141.25	-0.02	0.09	-0.28
		Combinazioni Frequenti			
628	Ft. 48	-154.88	19.38	8.38	5.42
	Fc. 48	-154.88	19.38	8.38	-12.66
	ClsMax 48	-154.88	19.38	8.38	-1.04
	ClsMed 48	-154.88	19.38	8.38	-0.46
704	Ft. 48	-130.13	-0.03	0.08	-3.81
	Fc. 43	-164.37	-0.02	0.07	-4.86
	ClsMax 43	-164.37	-0.02	0.07	-0.32
	ClsMed 43	-164.37	-0.02	0.07	-0.32
		Combinazioni Quasi Permanenti			
628	Ft. 60	-168.12	14.09	1.99	-0.22
	Fc. 60	-168.12	14.09	1.99	-9.59
	ClsMax 60	-168.12	14.09	1.99	-0.75
	ClsMed 60	-168.12	14.09	1.99	-0.36
704	Ft. 60	-143.37	-0.02	0.07	-4.21
	Fc. 60	-143.37	-0.02	0.07	-4.24
	ClsMax 60	-143.37	-0.02	0.07	-0.28
	ClsMed 60	-143.37	-0.02	0.07	-0.28

- Pilastro: 635/705 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
635	23	-177.02	-67.68	129.75	1.00	1.00	0.21

635	23	-177.02	-67.68	129.75	1.00	1.00	0.21
705	2	-163.44	0.02	-0.02	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	226.25	522.01	619.24	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
635	Ft. 31	-83.21	-18.95	35.76	24.91
	Fc. 31	-83.21	-18.95	35.76	-18.84
	ClsMax 31	-83.21	-18.95	35.76	-1.63
	ClsMed 31	-83.21	-18.95	35.76	-0.54
705	Ft. 30	-55.43	-0.01	-0.03	-1.63
	Fc. 27	-128.84	0.01	-0.02	-3.80
	ClsMax 27	-128.84	0.01	-0.02	-0.25
	ClsMed 27	-128.84	0.01	-0.02	-0.25
	Combinazioni Frequenti				
635	Ft. 48	-162.38	-13.53	19.58	3.07
	Fc. 48	-162.38	-13.53	19.58	-12.19
	ClsMax 48	-162.38	-13.53	19.58	-0.95
	ClsMed 44	-192.82	-10.22	10.93	-0.38
705	Ft. 47	-136.11	-0.00	-0.03	-4.00
	Fc. 44	-168.07	0.00	-0.03	-4.96
	ClsMax 44	-168.07	0.00	-0.03	-0.33
	ClsMed 44	-168.07	0.00	-0.03	-0.33
	Combinazioni Quasi Permanenti				
635	Ft. 60	-173.83	-10.24	12.44	-0.20
	Fc. 60	-173.83	-10.24	12.44	-10.02
	ClsMax 60	-173.83	-10.24	12.44	-0.76
	ClsMed 60	-173.83	-10.24	12.44	-0.35
705	Ft. 60	-149.08	0.00	-0.03	-4.39
	Fc. 60	-149.08	0.00	-0.03	-4.40
	ClsMax 60	-149.08	0.00	-0.03	-0.29
	ClsMed 60	-149.08	0.00	-0.03	-0.29

- Pilastro: 636/706 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
636	23	-173.68	50.42	105.24	1.00	1.00	0.15
636	23	-173.68	50.42	105.24	1.00	1.00	0.15
706	1	-214.56	-0.01	0.00	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	218.49	522.01	569.53	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
636	Ft. 31	-100.87	8.89	8.35	1.38
	Fc. 31	-100.87	8.89	8.35	-7.10
	ClsMax 31	-100.87	8.89	8.35	-0.56
	ClsMed 26	-190.03	3.53	2.78	-0.37
706	Ft. 31	-76.12	-0.03	-0.00	-2.23
	Fc. 26	-165.28	-0.01	0.00	-4.87
	ClsMax 26	-165.28	-0.01	0.00	-0.32
	ClsMed 26	-165.28	-0.01	0.00	-0.32
		Combinazioni Frequenti			
636	Ft. 48	-177.86	5.19	4.40	-3.04
	Fc. 48	-177.86	5.19	4.40	-7.44
	ClsMax 48	-177.86	5.19	4.40	-0.54
	ClsMed 43	-216.26	2.51	1.15	-0.42
706	Ft. 48	-153.11	-0.02	0.00	-4.50
	Fc. 43	-191.51	-0.01	0.00	-5.64
	ClsMax 43	-191.51	-0.01	0.00	-0.38
	ClsMed 43	-191.51	-0.01	0.00	-0.38
		Combinazioni Quasi Permanenti			
636	Ft. 60	-191.56	2.48	-0.71	-4.79
	Fc. 60	-191.56	2.48	-0.71	-6.50
	ClsMax 60	-191.56	2.48	-0.71	-0.45
	ClsMed 60	-191.56	2.48	-0.71	-0.38
706	Ft. 60	-166.81	-0.01	-0.00	-4.91
	Fc. 60	-166.81	-0.01	-0.00	-4.92
	ClsMax 60	-166.81	-0.01	-0.00	-0.33
	ClsMed 60	-166.81	-0.01	-0.00	-0.33

- Pilastro: 639/707 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
639	23	-175.78	-44.37	127.82	1.00	1.00	0.16
639	23	-175.78	-44.37	127.82	1.00	1.00	0.16
707	2	-168.93	0.01	-0.01	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	222.77	522.01	540.95	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
639	Ft. 31	-85.59	-7.54	31.56	9.29
	Fc. 31	-85.59	-7.54	31.56	-11.47
	ClsMax 31	-85.59	-7.54	31.56	-0.90
	ClsMed 31	-85.59	-7.54	31.56	-0.32

707	Ft. 32	-58.69	0.01	-0.01	-1.72
	Fc. 27	-132.56	0.01	-0.01	-3.91
	ClsMax 27	-132.56	0.01	-0.01	-0.26
	ClsMed 27	-132.56	0.01	-0.01	-0.26
	Combinazioni Frequenti				
639	Ft. 48	-162.96	-3.96	16.81	-1.21
	Fc. 48	-162.96	-3.96	16.81	-8.39
	ClsMax 48	-162.96	-3.96	16.81	-0.61
	ClsMed 44	-193.92	-1.83	9.02	-0.38
707	Ft. 49	-137.14	0.01	-0.02	-4.03
	Fc. 44	-169.17	0.00	-0.02	-4.99
	ClsMax 44	-169.17	0.00	-0.02	-0.33
	ClsMed 44	-169.17	0.00	-0.02	-0.33
	Combinazioni Quasi Permanenti				
639	Ft. 60	-174.31	-1.76	10.55	-3.10
	Fc. 60	-174.31	-1.76	10.55	-7.17
	ClsMax 60	-174.31	-1.76	10.55	-0.50
	ClsMed 60	-174.31	-1.76	10.55	-0.34
707	Ft. 60	-149.56	0.00	-0.02	-4.40
	Fc. 60	-149.56	0.00	-0.02	-4.41
	ClsMax 60	-149.56	0.00	-0.02	-0.29
	ClsMed 60	-149.56	0.00	-0.02	-0.29

- Pilastro: 640/708 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
640	21	-175.96	-32.53	133.63	1.00	1.00	0.14
640	21	-175.96	-32.53	133.63	1.00	1.00	0.14
708	1	-204.58	-0.02	0.01	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	229.94	522.01	579.61	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
640	Ft. 30	-102.35	-2.94	-12.46	-0.35
	Fc. 26	-181.90	-0.19	2.25	-5.73
	ClsMax 30	-102.35	-2.94	-12.46	-0.41
	ClsMed 26	-181.90	-0.19	2.25	-0.36
708	Ft. 32	-76.73	-0.01	-0.00	-2.26
	Fc. 26	-157.15	-0.01	0.01	-4.63
	ClsMax 26	-157.15	-0.01	0.01	-0.31
	ClsMed 26	-157.15	-0.01	0.01	-0.31
	Combinazioni Frequenti				
640	Ft. 47	-169.08	-1.85	-6.06	-3.56
	Fc. 47	-169.08	-1.85	-6.06	-6.40
	ClsMax 47	-169.08	-1.85	-6.06	-0.45

	ClsMed 43	-203.19	-0.42	0.82	-0.40
708	Ft. 49	-143.90	-0.01	0.01	-4.24
	Fc. 43	-178.44	-0.01	0.01	-5.26
	ClsMax 43	-178.44	-0.01	0.01	-0.35
	ClsMed 43	-178.44	-0.01	0.01	-0.35
	Combinazioni Quasi Permanenti				
640	Ft. 60	-180.51	-0.19	-1.07	-5.11
	Fc. 60	-180.51	-0.19	-1.07	-5.53
	ClsMax 60	-180.51	-0.19	-1.07	-0.37
	ClsMed 60	-180.51	-0.19	-1.07	-0.35
708	Ft. 60	-155.76	-0.01	0.01	-4.58
	Fc. 60	-155.76	-0.01	0.01	-4.59
	ClsMax 60	-155.76	-0.01	0.01	-0.31
	ClsMed 60	-155.76	-0.01	0.01	-0.31

- Pilastro: 643/709 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
643	24	-165.53	61.84	122.02	1.00	1.00	0.19
643	24	-165.53	61.84	122.02	1.00	1.00	0.19
709	2	-191.51	0.02	-0.07	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	218.19	522.01	634.70	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
643	Ft. 31	-99.69	-3.71	29.71	4.05
	Fc. 31	-99.69	-3.71	29.71	-9.06
	ClsMax 31	-99.69	-3.71	29.71	-0.68
	ClsMed 27	-171.28	-0.84	14.52	-0.34
709	Ft. 32	-69.85	0.02	-0.06	-2.04
	Fc. 27	-146.53	0.01	-0.05	-4.33
	ClsMax 27	-146.53	0.01	-0.05	-0.29
	ClsMed 27	-146.53	0.01	-0.05	-0.29
	Combinazioni Frequenti				
643	Ft. 48	-156.45	-1.27	15.96	-1.96
	Fc. 54	-166.29	1.69	13.22	-7.29
	ClsMax 54	-166.29	1.69	13.22	-0.51
	ClsMed 44	-187.02	0.15	8.75	-0.37
709	Ft. 49	-129.16	0.02	-0.03	-3.79
	Fc. 44	-162.27	0.01	-0.03	-4.79
	ClsMax 44	-162.27	0.01	-0.03	-0.32
	ClsMed 44	-162.27	0.01	-0.03	-0.32
	Combinazioni Quasi Permanenti				
643	Ft. 60	-166.13	0.12	10.27	-3.40
	Fc. 60	-166.13	0.12	10.27	-6.39

		ClsMax 60	-166.13	0.12	10.27	-0.44
		ClsMed 60	-166.13	0.12	10.27	-0.33
	709	Ft. 60	-141.38	0.01	-0.03	-4.16
		Fc. 60	-141.38	0.01	-0.03	-4.17
		ClsMax 60	-141.38	0.01	-0.03	-0.28
		ClsMed 60	-141.38	0.01	-0.03	-0.28

- Pilastro: 644/710 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
644	25	-150.36	62.41	-89.71	1.00	1.00	0.18
644	25	-150.36	62.41	-89.71	1.00	1.00	0.18
710	1	-178.20	-0.01	0.04	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	224.01	522.01	615.87	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
644	Ft. 33	-100.72	5.17	-9.97	0.05
	Fc. 37	-117.21	5.09	-8.42	-6.20
	ClsMax 37	-117.21	5.09	-8.42	-0.46
	ClsMed 26	-160.41	1.77	2.02	-0.31
710	Ft. 32	-75.25	0.01	0.07	-2.21
	Fc. 26	-135.66	-0.01	0.03	-4.00
	ClsMax 26	-135.66	-0.01	0.03	-0.27
	ClsMed 26	-135.66	-0.01	0.03	-0.27
		Combinazioni Frequenti			
644	Ft. 50	-143.20	3.55	-4.93	-2.44
	Fc. 54	-151.44	3.51	-4.16	-6.12
	ClsMax 54	-151.44	3.51	-4.16	-0.44
	ClsMed 43	-168.67	1.93	0.57	-0.33
710	Ft. 49	-118.08	-0.00	0.02	-3.47
	Fc. 43	-143.92	-0.01	0.00	-4.24
	ClsMax 43	-143.92	-0.01	0.00	-0.28
	ClsMed 43	-143.92	-0.01	0.00	-0.28
		Combinazioni Quasi Permanenti			
644	Ft. 60	-151.18	2.21	-1.39	-3.58
	Fc. 60	-151.18	2.21	-1.39	-5.32
	ClsMax 60	-151.18	2.21	-1.39	-0.37
	ClsMed 60	-151.18	2.21	-1.39	-0.30
710	Ft. 60	-126.43	-0.01	0.01	-3.72
	Fc. 60	-126.43	-0.01	0.01	-3.73
	ClsMax 60	-126.43	-0.01	0.01	-0.25
	ClsMed 60	-126.43	-0.01	0.01	-0.25

- Pilastro: 647/711 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
647	24	-174.71	86.17	53.77	1.00	1.00	0.22
647	24	-174.71	86.17	53.77	1.00	1.00	0.22
711	2	-179.28	0.03	-0.03	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	226.16	522.01	747.37	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
647	Ft. 33	-83.51	9.87	12.98	4.54
	Fc. 37	-108.07	10.48	12.27	-8.64
	ClsMax 37	-108.07	10.48	12.27	-0.68
	ClsMed 27	-162.60	5.77	7.20	-0.32
711	Ft. 32	-56.83	0.03	-0.03	-1.66
	Fc. 27	-137.85	0.02	-0.02	-4.07
	ClsMax 27	-137.85	0.02	-0.02	-0.27
	ClsMed 27	-137.85	0.02	-0.02	-0.27
		Combinazioni Frequenti			
647	Ft. 50	-150.15	8.45	7.11	-0.84
	Fc. 54	-162.43	8.76	6.76	-8.41
	ClsMax 54	-162.43	8.76	6.76	-0.63
	ClsMed 44	-184.20	6.43	4.41	-0.36
711	Ft. 49	-124.44	0.02	0.01	-3.66
	Fc. 44	-159.45	0.01	0.01	-4.70
	ClsMax 44	-159.45	0.01	0.01	-0.31
	ClsMed 44	-159.45	0.01	0.01	-0.31
		Combinazioni Quasi Permanenti			
647	Ft. 60	-162.20	6.53	5.17	-2.06
	Fc. 60	-162.20	6.53	5.17	-7.50
	ClsMax 60	-162.20	6.53	5.17	-0.56
	ClsMed 60	-162.20	6.53	5.17	-0.32
711	Ft. 60	-137.45	0.02	0.01	-4.04
	Fc. 60	-137.45	0.02	0.01	-4.05
	ClsMax 60	-137.45	0.02	0.01	-0.27
	ClsMed 60	-137.45	0.02	0.01	-0.27

- Pilastro: 650/712 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
650	24	-168.30	106.03	-64.70	1.00	1.00	0.30
650	24	-168.30	106.03	-64.70	1.00	1.00	0.30
712	1	-177.71	0.01	0.01	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	216.95	522.01	628.42	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
650	Ft. 33	-84.01	11.13	-5.39	3.73
	Fc. 37	-108.28	11.31	-4.61	-7.61
	ClsMax 37	-108.28	11.31	-4.61	-0.61
	ClsMed 26	-162.37	5.97	0.86	-0.32
712	Ft. 32	-58.77	0.02	-0.01	-1.72
	Fc. 26	-137.62	0.00	0.01	-4.06
	ClsMax 26	-137.62	0.00	0.01	-0.27
	ClsMed 26	-137.62	0.00	0.01	-0.27
		Combinazioni Frequenti			
650	Ft. 50	-156.41	9.96	-2.75	-1.19
	Fc. 54	-168.54	10.05	-2.36	-8.35
	ClsMax 54	-168.54	10.05	-2.36	-0.64
	ClsMed 43	-190.15	7.44	0.13	-0.37
712	Ft. 49	-131.41	0.01	-0.01	-3.87
	Fc. 43	-165.40	-0.00	-0.01	-4.87
	ClsMax 43	-165.40	-0.00	-0.01	-0.32
	ClsMed 43	-165.40	-0.00	-0.01	-0.32
		Combinazioni Quasi Permanenti			
650	Ft. 60	-168.37	7.68	-0.88	-2.50
	Fc. 60	-168.37	7.68	-0.88	-7.42
	ClsMax 60	-168.37	7.68	-0.88	-0.55
	ClsMed 60	-168.37	7.68	-0.88	-0.33
712	Ft. 60	-143.62	-0.00	-0.00	-4.23
	Fc. 60	-143.62	-0.00	-0.00	-4.23
	ClsMax 60	-143.62	-0.00	-0.00	-0.28
	ClsMed 60	-143.62	-0.00	-0.00	-0.28

- Pilastro: 651/713 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
651	21	-204.78	-99.18	-12.94	1.00	1.00	0.25
651	21	-204.78	-99.18	-12.94	1.00	1.00	0.25
713	25	-207.95	-0.14	-0.04	1.00	1.00	0.02
713	25	-207.95	-0.14	-0.04	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	251.49	522.01	591.72	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
651	Ft. 32	-67.55	-8.18	0.08	1.38
	Fc. 27	-180.68	-3.65	0.02	-6.43
	ClsMax 36	-108.97	-9.31	0.05	-0.48
	ClsMed 27	-180.68	-3.65	0.02	-0.35
713	Ft. 32	-42.80	0.01	0.07	-1.25
	Fc. 27	-155.93	0.01	0.02	-4.60
	ClsMax 27	-155.93	0.01	0.02	-0.31
	ClsMed 27	-155.93	0.01	0.02	-0.31
		Combinazioni Frequenti			
651	Ft. 49	-194.94	-5.21	-0.02	-4.15
	Fc. 53	-215.64	-5.78	-0.03	-8.11
	ClsMax 53	-215.64	-5.78	-0.03	-0.59
	ClsMed 44	-244.44	-2.89	-0.05	-0.48
713	Ft. 49	-170.19	0.01	-0.02	-5.01
	Fc. 44	-219.69	0.01	-0.04	-6.48
	ClsMax 44	-219.69	0.01	-0.04	-0.43
	ClsMed 44	-219.69	0.01	-0.04	-0.43
		Combinazioni Quasi Permanenti			
651	Ft. 60	-216.20	-2.67	-0.03	-5.55
	Fc. 60	-216.20	-2.67	-0.03	-7.19
	ClsMax 60	-216.20	-2.67	-0.03	-0.50
	ClsMed 60	-216.20	-2.67	-0.03	-0.42
713	Ft. 60	-191.45	0.01	-0.03	-5.63
	Fc. 60	-191.45	0.01	-0.03	-5.64
	ClsMax 60	-191.45	0.01	-0.03	-0.38
	ClsMed 60	-191.45	0.01	-0.03	-0.38

- Pilastro: 654/714 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
654	20	-193.37	-116.56	-40.46	1.00	1.00	0.31
654	20	-193.37	-116.56	-40.46	1.00	1.00	0.31
714	25	-218.43	-0.15	-0.09	1.00	1.00	0.02
714	25	-218.43	-0.15	-0.09	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	228.28	522.01	596.72	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
654	Ft. 33	-75.56	9.02	0.01	1.42
	Fc. 37	-114.25	9.16	0.03	-6.17
	ClsMax 37	-114.25	9.16	0.03	-0.48
	ClsMed 26	-179.81	1.47	0.07	-0.35
714	Ft. 32	-47.83	0.01	0.03	-1.40
	Fc. 26	-155.06	0.00	0.07	-4.58
	ClsMax 26	-155.06	0.00	0.07	-0.31
	ClsMed 26	-155.06	0.00	0.07	-0.30
		Combinazioni Frequenti			
654	Ft. 50	-201.30	7.39	0.08	-3.67
	Fc. 54	-220.64	7.45	0.09	-8.78
	ClsMax 54	-220.64	7.45	0.09	-0.64
	ClsMed 43	-246.73	3.75	0.11	-0.48
714	Ft. 49	-175.06	0.00	0.09	-5.14
	Fc. 43	-221.98	-0.00	0.11	-6.55
	ClsMax 43	-221.98	-0.00	0.11	-0.44
	ClsMed 43	-221.98	-0.00	0.11	-0.44
		Combinazioni Quasi Permanenti			
654	Ft. 60	-219.98	4.29	0.10	-5.16
	Fc. 60	-219.98	4.29	0.10	-7.80
	ClsMax 60	-219.98	4.29	0.10	-0.55
	ClsMed 60	-219.98	4.29	0.10	-0.43
714	Ft. 60	-195.23	-0.00	0.10	-5.74
	Fc. 60	-195.23	-0.00	0.10	-5.76
	ClsMax 60	-195.23	-0.00	0.10	-0.38
	ClsMed 60	-195.23	-0.00	0.10	-0.38

- Pilastro: 655/715 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
655	21	-131.96	-138.14	20.64	1.00	1.00	0.42
655	21	-131.96	-138.14	20.64	1.00	1.00	0.42
715	24	-144.96	-0.17	0.10	1.00	1.00	0.02
715	24	-144.96	-0.17	0.10	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	275.29	522.01	493.58	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
655	Ft. 32	-57.46	-12.20	0.03	7.27
	Fc. 36	-85.19	-13.69	0.05	-7.34
	ClsMax 36	-85.19	-13.69	0.05	-0.65

	ClsMed 36	-85.19	-13.69	0.05	-0.32
715	Ft. 32	-32.71	0.01	0.03	-0.96
	Fc. 27	-110.31	0.00	0.05	-3.26
	ClsMax 27	-110.31	0.00	0.05	-0.22
	ClsMed 27	-110.31	0.00	0.05	-0.22
	Combinazioni Frequenti				
655	Ft. 49	-137.63	-7.96	0.10	-1.62
	Fc. 53	-151.50	-8.71	0.11	-7.13
	ClsMax 53	-151.50	-8.71	0.11	-0.54
	ClsMed 44	-171.50	-4.28	0.11	-0.34
715	Ft. 49	-112.88	0.01	0.10	-3.31
	Fc. 44	-146.75	0.00	0.11	-4.34
	ClsMax 44	-146.75	0.00	0.11	-0.29
	ClsMed 44	-146.75	0.00	0.11	-0.29
	Combinazioni Quasi Permanenti				
655	Ft. 60	-151.77	-3.98	0.11	-3.24
	Fc. 60	-151.77	-3.98	0.11	-5.70
	ClsMax 60	-151.77	-3.98	0.11	-0.41
	ClsMed 60	-151.77	-3.98	0.11	-0.30
715	Ft. 60	-127.02	0.00	0.11	-3.72
	Fc. 60	-127.02	0.00	0.11	-3.76
	ClsMax 60	-127.02	0.00	0.11	-0.25
	ClsMed 60	-127.02	0.00	0.11	-0.25

- Pilastro: 658/716 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
658	20	-131.37	-143.30	-29.07	1.00	1.00	0.43
658	20	-131.37	-143.30	-29.07	1.00	1.00	0.43
716	25	-175.70	-0.18	-0.07	1.00	1.00	0.02
716	25	-175.70	-0.18	-0.07	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	251.35	522.01	700.97	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
658	Ft. 33	-68.65	10.20	-0.05	3.22
	Fc. 37	-95.92	10.37	-0.06	-6.17
	ClsMax 37	-95.92	10.37	-0.06	-0.50
	ClsMed 26	-143.32	-0.87	-0.05	-0.28
716	Ft. 32	-38.47	0.01	-0.05	-1.12
	Fc. 26	-118.57	0.00	-0.05	-3.50
	ClsMax 26	-118.57	0.00	-0.05	-0.23
	ClsMed 26	-118.57	0.00	-0.05	-0.23
	Combinazioni Frequenti				
658	Ft. 50	-154.89	7.99	-0.08	-2.12

	Fc. 54	-168.53	8.08	-0.08	-7.43
	ClsMax 54	-168.53	8.08	-0.08	-0.56
	ClsMed 43	-187.22	2.69	-0.08	-0.37
716	Ft. 49	-127.43	0.00	-0.08	-3.74
	Fc. 43	-162.47	-0.00	-0.08	-4.80
	ClsMax 43	-162.47	-0.00	-0.08	-0.32
	ClsMed 43	-162.47	-0.00	-0.08	-0.32
	Combinazioni Quasi Permanenti				
658	Ft. 60	-167.20	3.63	-0.08	-3.81
	Fc. 60	-167.20	3.63	-0.08	-6.04
	ClsMax 60	-167.20	3.63	-0.08	-0.43
	ClsMed 60	-167.20	3.63	-0.08	-0.33
716	Ft. 60	-142.45	-0.00	-0.08	-4.18
	Fc. 60	-142.45	-0.00	-0.08	-4.21
	ClsMax 60	-142.45	-0.00	-0.08	-0.28
	ClsMed 60	-142.45	-0.00	-0.08	-0.28

- Pilastro: 659/717 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
659	20	-228.20	-193.63	-30.15	1.00	1.00	0.56
659	20	-228.20	-193.63	-30.15	1.00	1.00	0.56
717	19	-220.92	-0.06	0.02	1.00	1.00	0.03
717	19	-220.92	-0.06	0.02	1.00	1.00	0.03

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	244.91	522.01	427.96	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
659	Ft. 32	-70.81	-16.10	-0.01	10.42
	Fc. 36	-115.20	-18.35	-0.03	-9.85
	ClsMax 36	-115.20	-18.35	-0.03	-0.87
	ClsMed 36	-115.20	-18.35	-0.03	-0.43
717	Ft. 33	-45.94	-0.01	-0.01	-1.35
	Fc. 28	-127.08	0.00	-0.04	-3.75
	ClsMax 28	-127.08	0.00	-0.04	-0.25
	ClsMed 28	-127.08	0.00	-0.04	-0.25
	Combinazioni Frequenti				
659	Ft. 49	-200.61	-10.30	-0.08	-2.76
	Fc. 53	-222.81	-11.43	-0.09	-10.05
	ClsMax 53	-222.81	-11.43	-0.09	-0.76
	ClsMed 45	-237.46	-3.97	-0.10	-0.47
717	Ft. 49	-175.86	0.01	-0.08	-5.17
	Fc. 45	-212.71	0.00	-0.10	-6.28
	ClsMax 45	-212.71	0.00	-0.10	-0.42
	ClsMed 45	-212.71	0.00	-0.10	-0.42

	Combinazioni Quasi Permanenti				
659	Ft. 60	-222.80	-4.16	-0.09	-5.28
	Fc. 60	-222.80	-4.16	-0.09	-7.84
	ClsMax 60	-222.80	-4.16	-0.09	-0.55
	ClsMed 60	-222.80	-4.16	-0.09	-0.44
717	Ft. 60	-198.05	0.00	-0.09	-5.82
	Fc. 60	-198.05	0.00	-0.09	-5.85
	ClsMax 60	-198.05	0.00	-0.09	-0.39
	ClsMed 60	-198.05	0.00	-0.09	-0.39

- Pilastro: 662/718 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
662	24	-186.51	189.38	-1.47	1.00	1.00	0.57
662	24	-186.51	189.38	-1.47	1.00	1.00	0.57
718	23	-175.80	0.02	-0.04	1.00	1.00	0.02
718	23	-175.80	0.02	-0.04	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	228.51	522.01	442.15	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
662	Ft. 32	-68.77	-13.96	-0.01	7.82
	Fc. 37	-99.46	13.68	-0.00	-7.59
	ClsMax 32	-68.77	-13.96	-0.01	-0.66
	ClsMed 32	-68.77	-13.96	-0.01	-0.33
718	Ft. 33	-43.68	-0.01	-0.01	-1.28
	Fc. 26	-107.58	0.00	0.00	-3.17
	ClsMax 26	-107.58	0.00	0.00	-0.21
	ClsMed 26	-107.58	0.00	0.00	-0.21
	Combinazioni Frequenti				
662	Ft. 50	-166.75	10.44	0.01	-1.73
	Fc. 54	-182.26	10.58	0.01	-8.59
	ClsMax 54	-182.26	10.58	0.01	-0.65
	ClsMed 43	-195.42	2.74	0.01	-0.38
718	Ft. 50	-142.00	-0.01	0.01	-4.18
	Fc. 43	-170.67	-0.00	0.01	-5.03
	ClsMax 43	-170.67	-0.00	0.01	-0.34
	ClsMed 43	-170.67	-0.00	0.01	-0.34
	Combinazioni Quasi Permanenti				
662	Ft. 60	-182.33	4.26	0.01	-4.07
	Fc. 60	-182.33	4.26	0.01	-6.67
	ClsMax 60	-182.33	4.26	0.01	-0.48
	ClsMed 60	-182.33	4.26	0.01	-0.36
718	Ft. 60	-157.58	-0.00	0.01	-4.64
	Fc. 60	-157.58	-0.00	0.01	-4.64

ClsMax 60	-157.58	-0.00	0.01	-0.31
ClsMed 60	-157.58	-0.00	0.01	-0.31

- Pilastro: 663/719 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
663	20	-180.63	-137.29	-23.32	1.00	1.00	0.39
663	20	-180.63	-137.29	-23.32	1.00	1.00	0.39
719	20	-155.88	0.18	0.04	1.00	1.00	0.02
719	20	-155.88	0.18	0.04	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	275.07	522.01	484.39	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
663	Ft. 32	-59.65	-8.72	0.03	2.65
	Fc. 36	-86.83	-10.34	0.05	-5.97
	ClsMax 36	-86.83	-10.34	0.05	-0.49
	ClsMed 28	-136.58	-0.93	0.05	-0.27
719	Ft. 33	-31.91	-0.01	0.03	-0.93
	Fc. 28	-111.83	0.00	0.05	-3.30
	ClsMax 28	-111.83	0.00	0.05	-0.22
	ClsMed 28	-111.83	0.00	0.05	-0.22
		Combinazioni Frequenti			
663	Ft. 49	-146.20	-5.31	0.09	-2.68
	Fc. 53	-159.78	-6.12	0.10	-6.58
	ClsMax 53	-159.78	-6.12	0.10	-0.49
	ClsMed 45	-179.63	-1.41	0.10	-0.35
719	Ft. 50	-119.95	-0.00	0.08	-3.52
	Fc. 45	-154.88	0.00	0.10	-4.58
	ClsMax 45	-154.88	0.00	0.10	-0.31
	ClsMed 45	-154.88	0.00	0.10	-0.30
		Combinazioni Quasi Permanenti			
663	Ft. 60	-159.51	-1.39	0.10	-4.26
	Fc. 60	-159.51	-1.39	0.10	-5.14
	ClsMax 60	-159.51	-1.39	0.10	-0.35
	ClsMed 60	-159.51	-1.39	0.10	-0.31
719	Ft. 60	-134.76	0.00	0.09	-3.95
	Fc. 60	-134.76	0.00	0.09	-3.98
	ClsMax 60	-134.76	0.00	0.09	-0.27
	ClsMed 60	-134.76	0.00	0.09	-0.26

- Pilastro: 666/720 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
666	24	-151.63	148.27	-3.95	1.00	1.00	0.44
666	24	-151.63	148.27	-3.95	1.00	1.00	0.44
720	21	-178.83	0.17	-0.02	1.00	1.00	0.02
720	21	-178.83	0.17	-0.02	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	233.01	522.01	597.87	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
666	Ft. 32	-70.82	-10.26	-0.02	3.03
	Fc. 37	-93.95	9.23	-0.04	-5.68
	ClsMax 32	-70.82	-10.26	-0.02	-0.48
	ClsMed 29	-148.85	3.42	-0.03	-0.29
720	Ft. 33	-40.34	-0.01	-0.03	-1.18
	Fc. 29	-124.10	-0.01	-0.03	-3.66
	ClsMax 29	-124.10	-0.01	-0.03	-0.24
	ClsMed 29	-124.10	-0.01	-0.03	-0.24
		Combinazioni Frequenti			
666	Ft. 50	-159.18	6.95	-0.05	-2.57
	Fc. 54	-173.61	6.95	-0.06	-7.23
	ClsMax 54	-173.61	6.95	-0.06	-0.54
	ClsMed 46	-195.84	3.73	-0.05	-0.38
720	Ft. 50	-134.43	-0.01	-0.05	-3.95
	Fc. 46	-171.09	-0.01	-0.05	-5.05
	ClsMax 46	-171.09	-0.01	-0.05	-0.34
	ClsMed 46	-171.09	-0.01	-0.05	-0.34
		Combinazioni Quasi Permanenti			
666	Ft. 60	-174.95	2.49	-0.06	-4.39
	Fc. 60	-174.95	2.49	-0.06	-5.92
	ClsMax 60	-174.95	2.49	-0.06	-0.41
	ClsMed 60	-174.95	2.49	-0.06	-0.34
720	Ft. 60	-150.20	-0.00	-0.06	-4.41
	Fc. 60	-150.20	-0.00	-0.06	-4.43
	ClsMax 60	-150.20	-0.00	-0.06	-0.30
	ClsMed 60	-150.20	-0.00	-0.06	-0.29

- Pilastro: 667/721 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr

667	20	-229.36	-98.12	-43.92	1.00	1.00	0.24
667	20	-229.36	-98.12	-43.92	1.00	1.00	0.24
721	18	-208.49	0.07	-0.20	1.00	1.00	0.02
721	18	-208.49	0.07	-0.20	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	242.15	522.01	675.76	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
667	Ft. 33	-66.83	5.73	0.08	-0.14
	Fc. 28	-179.22	0.47	0.02	-5.43
	ClsMax 37	-108.14	6.59	0.05	-0.40
	ClsMed 28	-179.22	0.47	0.02	-0.35
721	Ft. 33	-42.08	-0.01	0.08	-1.23
	Fc. 28	-154.47	0.00	0.02	-4.55
	ClsMax 28	-154.47	0.00	0.02	-0.30
	ClsMed 28	-154.47	0.00	0.02	-0.30
		Combinazioni Frequenti			
667	Ft. 50	-192.91	2.67	-0.01	-4.87
	Fc. 53	-214.59	-3.12	-0.01	-7.27
	ClsMax 53	-214.59	-3.12	-0.01	-0.51
	ClsMed 45	-242.10	0.03	-0.03	-0.48
721	Ft. 50	-168.16	-0.00	-0.01	-4.95
	Fc. 45	-217.35	0.00	-0.03	-6.41
	ClsMax 45	-217.35	0.00	-0.03	-0.43
	ClsMed 45	-217.35	0.00	-0.03	-0.43
		Combinazioni Quasi Permanenti			
667	Ft. 60	-214.08	-0.01	-0.02	-6.30
	Fc. 60	-214.08	-0.01	-0.02	-6.31
	ClsMax 60	-214.08	-0.01	-0.02	-0.42
	ClsMed 60	-214.08	-0.01	-0.02	-0.42
721	Ft. 60	-189.33	0.00	-0.02	-5.57
	Fc. 60	-189.33	0.00	-0.02	-5.58
	ClsMax 60	-189.33	0.00	-0.02	-0.37
	ClsMed 60	-189.33	0.00	-0.02	-0.37

- Pilastro: 670/722 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
670	25	-195.68	120.70	41.41	1.00	1.00	0.33
670	25	-195.68	120.70	41.41	1.00	1.00	0.33
722	21	-224.29	0.16	-0.10	1.00	1.00	0.03
722	21	-224.29	0.16	-0.10	1.00	1.00	0.03

- Verifiche a Taglio

Da	A	Vdx	Vrx	Vdy	Vry	Staffe

[m]	[m]	[kN]	[kN]	[kN]	[kN]	
0.13	2.13	248.72	522.01	610.71	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
670	Ft. 33	-71.63	8.13	-0.05	1.03
	Fc. 29	-182.18	3.05	0.01	-6.30
	ClsMax 29	-182.18	3.05	0.01	-0.44
	ClsMed 29	-182.18	3.05	0.01	-0.36
722	Ft. 33	-46.88	-0.02	-0.05	-1.37
	Fc. 29	-157.43	-0.01	0.01	-4.64
	ClsMax 29	-157.43	-0.01	0.01	-0.31
	ClsMed 29	-157.43	-0.01	0.01	-0.31
		Combinazioni Frequenti			
670	Ft. 50	-203.13	5.87	0.04	-4.19
	Fc. 46	-251.51	3.16	0.07	-8.38
	ClsMax 54	-223.36	5.68	0.06	-0.60
	ClsMed 46	-251.51	3.16	0.07	-0.49
722	Ft. 50	-178.38	-0.01	0.04	-5.24
	Fc. 46	-226.76	-0.01	0.07	-6.69
	ClsMax 46	-226.76	-0.01	0.07	-0.45
	ClsMed 46	-226.76	-0.01	0.07	-0.45
		Combinazioni Quasi Permanenti			
670	Ft. 60	-223.97	2.46	0.05	-5.84
	Fc. 60	-223.97	2.46	0.05	-7.35
	ClsMax 60	-223.97	2.46	0.05	-0.51
	ClsMed 60	-223.97	2.46	0.05	-0.44
722	Ft. 60	-199.22	-0.01	0.05	-5.86
	Fc. 60	-199.22	-0.01	0.05	-5.88
	ClsMax 60	-199.22	-0.01	0.05	-0.39
	ClsMed 60	-199.22	-0.01	0.05	-0.39

- Pilastro: 671/723 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
671	20	-172.52	93.75	-41.45	1.00	1.00	0.25
671	20	-172.52	93.75	-41.45	1.00	1.00	0.25
723	3	-175.68	0.02	0.03	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	230.03	522.01	715.40	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
671	Ft. 32	-82.15	12.49	-14.03	7.89

	Fc. 36	-106.40	13.30	-13.56	-10.29
	ClsMax 36	-106.40	13.30	-13.56	-0.84
	ClsMed 36	-106.40	13.30	-13.56	-0.33
723	Ft. 33	-54.61	0.02	0.03	-1.60
	Fc. 28	-135.31	0.01	0.02	-3.99
	ClsMax 28	-135.31	0.01	0.02	-0.27
	ClsMed 28	-135.31	0.01	0.02	-0.27
	Combinazioni Frequenti				
671	Ft. 49	-149.25	11.22	-8.60	0.39
	Fc. 53	-161.38	11.63	-8.36	-9.53
	ClsMax 53	-161.38	11.63	-8.36	-0.74
	ClsMed 45	-182.80	9.44	-6.16	-0.36
723	Ft. 50	-123.11	0.01	-0.01	-3.62
	Fc. 45	-158.05	0.01	-0.01	-4.66
	ClsMax 45	-158.05	0.01	-0.01	-0.31
	ClsMed 45	-158.05	0.01	-0.01	-0.31
	Combinazioni Quasi Permanenti				
671	Ft. 60	-161.15	9.41	-6.77	-0.92
	Fc. 60	-161.15	9.41	-6.77	-8.57
	ClsMax 60	-161.15	9.41	-6.77	-0.65
	ClsMed 60	-161.15	9.41	-6.77	-0.32
723	Ft. 60	-136.40	0.01	-0.01	-4.01
	Fc. 60	-136.40	0.01	-0.01	-4.02
	ClsMax 60	-136.40	0.01	-0.01	-0.27
	ClsMed 60	-136.40	0.01	-0.01	-0.27

- Pilastro: 674/724 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
674	21	-168.86	-109.99	-29.75	1.00	1.00	0.30
674	21	-168.86	-109.99	-29.75	1.00	1.00	0.30
724	4	-163.55	-0.01	0.05	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	219.42	522.01	655.96	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
674	Ft. 32	-80.91	-10.10	-5.89	3.16
	Fc. 32	-80.91	-10.10	-5.89	-6.90
	ClsMax 32	-80.91	-10.10	-5.89	-0.57
	ClsMed 29	-151.12	-3.78	1.36	-0.30
724	Ft. 33	-55.07	-0.02	0.05	-1.61
	Fc. 29	-126.37	-0.01	0.04	-3.73
	ClsMax 29	-126.37	-0.01	0.04	-0.25
	ClsMed 29	-126.37	-0.01	0.04	-0.25
	Combinazioni Frequenti				

674	Ft. 49	-144.36	-6.73	-0.97	-2.07
	Fc. 46	-174.53	-3.65	2.37	-6.59
	ClsMax 53	-154.94	-6.38	-0.24	-0.49
	ClsMed 46	-174.53	-3.65	2.37	-0.34
724	Ft. 50	-119.06	-0.01	0.01	-3.50
	Fc. 46	-149.78	-0.01	0.00	-4.41
	ClsMax 46	-149.78	-0.01	0.00	-0.29
	ClsMed 46	-149.78	-0.01	0.00	-0.29
	Combinazioni Quasi Permanenti				
674	Ft. 60	-154.80	-3.99	1.23	-3.17
	Fc. 60	-154.80	-3.99	1.23	-5.95
	ClsMax 60	-154.80	-3.99	1.23	-0.43
	ClsMed 60	-154.80	-3.99	1.23	-0.30
724	Ft. 60	-130.05	-0.01	0.01	-3.83
	Fc. 60	-130.05	-0.01	0.01	-3.83
	ClsMax 60	-130.05	-0.01	0.01	-0.26
	ClsMed 60	-130.05	-0.01	0.01	-0.26

- Pilastro: 677/725 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
677	21	-170.08	52.05	-165.95	1.00	1.00	0.21
677	21	-170.08	52.05	-165.95	1.00	1.00	0.21
725	3	-189.07	0.01	0.07	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	213.00	522.01	619.16	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
677	Ft. 31	-97.94	-2.69	-31.50	4.35
	Fc. 31	-97.94	-2.69	-31.50	-9.02
	ClsMax 31	-97.94	-2.69	-31.50	-0.67
	ClsMed 28	-170.14	0.62	-17.58	-0.33
725	Ft. 33	-66.94	0.02	0.06	-1.96
	Fc. 28	-145.39	0.01	0.05	-4.29
	ClsMax 28	-145.39	0.01	0.05	-0.29
	ClsMed 28	-145.39	0.01	0.05	-0.29
	Combinazioni Frequenti				
677	Ft. 49	-159.34	2.52	-16.77	-1.55
	Fc. 53	-170.05	2.88	-16.23	-8.19
	ClsMax 53	-170.05	2.88	-16.23	-0.59
	ClsMed 45	-190.73	1.41	-12.04	-0.37
725	Ft. 50	-131.97	0.01	0.04	-3.88
	Fc. 45	-165.98	0.01	0.03	-4.90
	ClsMax 45	-165.98	0.01	0.03	-0.33
	ClsMed 45	-165.98	0.01	0.03	-0.33

		Combinazioni Quasi Permanenti			
677	Ft. 60	-169.87	1.30	-13.29	-2.72
	Fc. 60	-169.87	1.30	-13.29	-7.28
	ClsMax 60	-169.87	1.30	-13.29	-0.51
	ClsMed 60	-169.87	1.30	-13.29	-0.33
725	Ft. 60	-145.12	0.01	0.04	-4.27
	Fc. 60	-145.12	0.01	0.04	-4.28
	ClsMax 60	-145.12	0.01	0.04	-0.29
	ClsMed 60	-145.12	0.01	0.04	-0.28

- Pilastro: 678/726 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
678	24	-141.86	-63.56	-98.62	1.00	1.00	0.19
678	24	-141.86	-63.56	-98.62	1.00	1.00	0.19
726	4	-179.67	-0.00	-0.05	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	223.87	522.01	585.75	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
678	Ft. 30	-100.15	-3.03	13.15	-0.16
	Fc. 30	-100.15	-3.03	13.15	-5.74
	ClsMax 30	-100.15	-3.03	13.15	-0.42
	ClsMed 29	-161.94	-1.71	-2.40	-0.32
726	Ft. 33	-73.07	0.01	-0.06	-2.14
	Fc. 29	-137.19	-0.00	-0.03	-4.05
	ClsMax 29	-137.19	-0.00	-0.03	-0.27
	ClsMed 29	-137.19	-0.00	-0.03	-0.27
		Combinazioni Frequenti			
678	Ft. 50	-145.97	-3.44	-3.35	-2.78
	Fc. 46	-173.49	-2.32	-4.38	-6.44
	ClsMax 46	-173.49	-2.32	-4.38	-0.45
	ClsMed 46	-173.49	-2.32	-4.38	-0.34
726	Ft. 50	-121.22	0.00	-0.02	-3.57
	Fc. 46	-148.74	-0.00	-0.01	-4.38
	ClsMax 46	-148.74	-0.00	-0.01	-0.29
	ClsMed 46	-148.74	-0.00	-0.01	-0.29
		Combinazioni Quasi Permanenti			
678	Ft. 60	-155.30	-1.96	-2.15	-3.67
	Fc. 60	-155.30	-1.96	-2.15	-5.47
	ClsMax 60	-155.30	-1.96	-2.15	-0.38
	ClsMed 60	-155.30	-1.96	-2.15	-0.30
726	Ft. 60	-130.55	-0.00	-0.02	-3.84
	Fc. 60	-130.55	-0.00	-0.02	-3.85
	ClsMax 60	-130.55	-0.00	-0.02	-0.26

	ClsMed 60	-130.55	-0.00	-0.02	-0.26

- Pilastro: 681/727 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
681	22	-173.89	-47.46	-134.07	1.00	1.00	0.17
681	22	-173.89	-47.46	-134.07	1.00	1.00	0.17
727	3	-167.03	0.01	-0.01	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	218.98	522.01	584.32	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
681	Ft. 31	-85.70	-7.92	-33.26	10.46
	Fc. 31	-85.70	-7.92	-33.26	-12.12
	ClsMax 31	-85.70	-7.92	-33.26	-0.96
	ClsMed 31	-85.70	-7.92	-33.26	-0.34
727	Ft. 33	-58.15	0.01	0.00	-1.71
	Fc. 28	-131.20	0.01	-0.01	-3.87
	ClsMax 28	-131.20	0.01	-0.01	-0.26
	ClsMed 28	-131.20	0.01	-0.01	-0.26
		Combinazioni Frequenti			
681	Ft. 48	-162.47	-4.79	-19.52	-0.56
	Fc. 48	-162.47	-4.79	-19.52	-9.01
	ClsMax 48	-162.47	-4.79	-19.52	-0.66
	ClsMed 45	-192.80	-2.61	-12.26	-0.38
727	Ft. 50	-136.32	0.01	0.00	-4.01
	Fc. 45	-168.05	0.00	-0.00	-4.95
	ClsMax 45	-168.05	0.00	-0.00	-0.33
	ClsMed 45	-168.05	0.00	-0.00	-0.33
		Combinazioni Quasi Permanenti			
681	Ft. 60	-173.60	-2.56	-13.52	-2.41
	Fc. 60	-173.60	-2.56	-13.52	-7.81
	ClsMax 60	-173.60	-2.56	-13.52	-0.55
	ClsMed 60	-173.60	-2.56	-13.52	-0.34
727	Ft. 60	-148.85	0.00	0.00	-4.38
	Fc. 60	-148.85	0.00	0.00	-4.39
	ClsMax 60	-148.85	0.00	0.00	-0.29
	ClsMed 60	-148.85	0.00	0.00	-0.29

- Pilastro: 682/728 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
682	20	-183.67	36.86	142.24	1.00	1.00	0.16
682	20	-183.67	36.86	142.24	1.00	1.00	0.16
728	4	-204.28	-0.01	-0.03	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	220.66	522.01	602.83	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
682	Ft. 31	-101.88	9.95	-5.41	1.36
	Fc. 29	-182.12	5.52	-3.00	-7.47
	ClsMax 31	-101.88	9.95	-5.41	-0.56
	ClsMed 29	-182.12	5.52	-3.00	-0.36
728	Ft. 33	-73.76	-0.00	-0.02	-2.17
	Fc. 29	-157.37	-0.01	-0.03	-4.64
	ClsMax 29	-157.37	-0.01	-0.03	-0.31
	ClsMed 29	-157.37	-0.01	-0.03	-0.31
		Combinazioni Frequenti			
682	Ft. 48	-172.47	6.99	-6.54	-2.03
	Fc. 46	-206.79	4.83	-4.80	-8.24
	ClsMax 48	-172.47	6.99	-6.54	-0.60
	ClsMed 46	-206.79	4.83	-4.80	-0.41
728	Ft. 50	-146.03	-0.00	-0.03	-4.30
	Fc. 46	-182.04	-0.00	-0.03	-5.37
	ClsMax 46	-182.04	-0.00	-0.03	-0.36
	ClsMed 46	-182.04	-0.00	-0.03	-0.36
		Combinazioni Quasi Permanenti			
682	Ft. 60	-183.60	5.06	-2.65	-3.49
	Fc. 60	-183.60	5.06	-2.65	-7.32
	ClsMax 60	-183.60	5.06	-2.65	-0.53
	ClsMed 60	-183.60	5.06	-2.65	-0.36
728	Ft. 60	-158.85	-0.01	-0.03	-4.67
	Fc. 60	-158.85	-0.01	-0.03	-4.68
	ClsMax 60	-158.85	-0.01	-0.03	-0.31
	ClsMed 60	-158.85	-0.01	-0.03	-0.31

- Pilastro: 685/729 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
685	22	-188.04	-55.73	-137.03	1.00	1.00	0.19
685	22	-188.04	-55.73	-137.03	1.00	1.00	0.19
729	23	-173.37	0.20	-0.04	1.00	1.00	0.02
729	23	-173.37	0.20	-0.04	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	221.25	522.01	664.39	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
685	Ft. 31	-84.42	-17.70	-37.35	23.72
	Fc. 31	-84.42	-17.70	-37.35	-18.62
	ClsMax 31	-84.42	-17.70	-37.35	-1.59
	ClsMed 31	-84.42	-17.70	-37.35	-0.53
729	Ft. 30	-56.59	0.00	-0.02	-1.66
	Fc. 28	-132.07	0.02	-0.03	-3.90
	ClsMax 28	-132.07	0.02	-0.03	-0.26
	ClsMed 28	-132.07	0.02	-0.03	-0.26
	Combinazioni Frequenti				
685	Ft. 48	-165.98	-13.92	-22.51	3.77
	Fc. 48	-165.98	-13.92	-22.51	-12.97
	ClsMax 48	-165.98	-13.92	-22.51	-1.01
	ClsMed 48	-165.98	-13.92	-22.51	-0.40
729	Ft. 47	-139.69	0.01	-0.01	-4.11
	Fc. 45	-172.53	0.02	-0.02	-5.09
	ClsMax 45	-172.53	0.02	-0.02	-0.34
	ClsMed 45	-172.53	0.02	-0.02	-0.34
	Combinazioni Quasi Permanenti				
685	Ft. 60	-177.68	-11.28	-15.74	0.57
	Fc. 60	-177.68	-11.28	-15.74	-10.98
	ClsMax 60	-177.68	-11.28	-15.74	-0.84
	ClsMed 60	-177.68	-11.28	-15.74	-0.37
729	Ft. 60	-152.93	0.01	-0.02	-4.50
	Fc. 60	-152.93	0.01	-0.02	-4.51
	ClsMax 60	-152.93	0.01	-0.02	-0.30
	ClsMed 60	-152.93	0.01	-0.02	-0.30

- Pilastro: 686/730 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
686	22	-177.60	69.14	-106.02	1.00	1.00	0.20
686	22	-177.60	69.14	-106.02	1.00	1.00	0.20
730	4	-204.43	-0.03	-0.05	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	225.09	522.01	569.51	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
		Combinazioni Rare			
686	Ft. 31	-95.41	12.95	-9.07	5.29
	Fc. 31	-95.41	12.95	-9.07	-9.09
	ClsMax 31	-95.41	12.95	-9.07	-0.75
	ClsMed 29	-182.76	6.42	-4.91	-0.36
730	Ft. 31	-70.66	-0.04	-0.04	-2.06
	Fc. 29	-158.01	-0.02	-0.04	-4.66
	ClsMax 29	-158.01	-0.02	-0.04	-0.31
	ClsMed 29	-158.01	-0.02	-0.04	-0.31
		Combinazioni Frequenti			
686	Ft. 48	-174.02	8.37	-8.99	-1.30
	Fc. 48	-174.02	8.37	-8.99	-8.95
	ClsMax 48	-174.02	8.37	-8.99	-0.67
	ClsMed 46	-211.69	5.13	-6.39	-0.42
730	Ft. 48	-149.27	-0.03	-0.04	-4.38
	Fc. 46	-186.94	-0.02	-0.04	-5.52
	ClsMax 46	-186.94	-0.02	-0.04	-0.37
	ClsMed 46	-186.94	-0.02	-0.04	-0.37
		Combinazioni Quasi Permanenti			
686	Ft. 60	-187.67	5.25	-4.29	-3.32
	Fc. 60	-187.67	5.25	-4.29	-7.73
	ClsMax 60	-187.67	5.25	-4.29	-0.56
	ClsMed 60	-187.67	5.25	-4.29	-0.37
730	Ft. 60	-162.92	-0.02	-0.03	-4.79
	Fc. 60	-162.92	-0.02	-0.03	-4.81
	ClsMax 60	-162.92	-0.02	-0.03	-0.32
	ClsMed 60	-162.92	-0.02	-0.03	-0.32

- Pilastro: 693/731 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
693	18	-172.84	107.98	56.88	1.00	1.00	0.30
693	18	-172.84	107.98	56.88	1.00	1.00	0.30
731	3	-173.99	0.02	0.14	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	207.33	522.01	678.61	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
693	Ft. 30	-80.21	16.85	-14.53	14.15
	Fc. 30	-80.21	16.85	-14.53	-12.21
	ClsMax 30	-80.21	16.85	-14.53	-1.08
	ClsMed 30	-80.21	16.85	-14.53	-0.42
731	Ft. 30	-55.46	-0.01	0.12	-1.61
	Fc. 28	-135.23	0.01	0.10	-4.00

	ClsMax 28	-135.23	0.01	0.10	-0.27
	ClsMed 28	-135.23	0.01	0.10	-0.27
	Combinazioni Frequenti				
693	Ft. 47	-154.64	14.61	-10.90	2.30
	Fc. 59	-169.06	11.66	-17.61	-11.22
	ClsMax 47	-154.64	14.61	-10.90	-0.87
	ClsMed 45	-189.43	10.45	-14.47	-0.38
731	Ft. 47	-129.89	-0.00	0.09	-3.81
	Fc. 45	-164.68	0.01	0.08	-4.86
	ClsMax 45	-164.68	0.01	0.08	-0.32
	ClsMed 45	-164.68	0.01	0.08	-0.32
	Combinazioni Quasi Permanenti				
693	Ft. 60	-169.06	10.44	-15.77	0.57
	Fc. 60	-169.06	10.44	-15.77	-10.47
	ClsMax 60	-169.06	10.44	-15.77	-0.80
	ClsMed 60	-169.06	10.44	-15.77	-0.35
731	Ft. 60	-144.31	0.01	0.08	-4.24
	Fc. 60	-144.31	0.01	0.08	-4.27
	ClsMax 60	-144.31	0.01	0.08	-0.28
	ClsMed 60	-144.31	0.01	0.08	-0.28

- Pilastro: 694/732 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
694	22	-165.68	92.65	-108.34	1.00	1.00	0.27
694	22	-165.68	92.65	-108.34	1.00	1.00	0.27
732	4	-183.06	-0.05	-0.06	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	216.33	522.01	651.39	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
694	Ft. 31	-84.24	17.89	-13.98	14.72
	Fc. 31	-84.24	17.89	-13.98	-12.59
	ClsMax 31	-84.24	17.89	-13.98	-1.12
	ClsMed 31	-84.24	17.89	-13.98	-0.44
732	Ft. 31	-59.49	-0.06	-0.05	-1.73
	Fc. 29	-141.72	-0.04	-0.04	-4.19
	ClsMax 29	-141.72	-0.04	-0.04	-0.28
	ClsMed 29	-141.72	-0.04	-0.04	-0.28
	Combinazioni Frequenti				
694	Ft. 48	-158.30	11.12	-12.08	0.61
	Fc. 48	-158.30	11.12	-12.08	-9.86
	ClsMax 48	-158.30	11.12	-12.08	-0.76
	ClsMed 46	-194.01	6.28	-8.19	-0.38
732	Ft. 48	-133.55	-0.04	-0.03	-3.92

	Fc. 46	-169.26	-0.03	-0.03	-5.00
	ClsMax 46	-169.26	-0.03	-0.03	-0.33
	ClsMed 46	-169.26	-0.03	-0.03	-0.33
	Combinazioni Quasi Permanenti				
694	Ft. 60	-172.38	6.32	-6.13	-2.29
	Fc. 60	-172.38	6.32	-6.13	-7.87
	ClsMax 60	-172.38	6.32	-6.13	-0.58
	ClsMed 60	-172.38	6.32	-6.13	-0.34
732	Ft. 60	-147.63	-0.03	-0.03	-4.33
	Fc. 60	-147.63	-0.03	-0.03	-4.36
	ClsMax 60	-147.63	-0.03	-0.03	-0.29
	ClsMed 60	-147.63	-0.03	-0.03	-0.29

- Pilastro: 695/733 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
695	23	-197.35	-142.43	-62.48	1.00	1.00	0.40
695	23	-197.35	-142.43	-62.48	1.00	1.00	0.40
733	23	-172.60	0.21	0.62	1.00	1.00	0.02
733	23	-172.60	0.21	0.62	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	225.48	522.01	512.77	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Rare				
695	Ft. 31	-69.65	-37.42	-20.14	49.12
	Fc. 31	-69.65	-37.42	-20.14	-22.10
	ClsMax 31	-69.65	-37.42	-20.14	-2.26
	ClsMed 31	-69.65	-37.42	-20.14	-0.91
733	Ft. 30	-41.14	-0.01	0.09	-1.20
	Fc. 28	-128.63	0.01	0.13	-3.81
	ClsMax 28	-128.63	0.01	0.13	-0.25
	ClsMed 28	-128.63	0.01	0.13	-0.25
	Combinazioni Frequenti				
695	Ft. 48	-164.23	-27.37	-11.35	13.87
	Fc. 48	-164.23	-27.37	-11.35	-17.14
	ClsMax 48	-164.23	-27.37	-11.35	-1.49
	ClsMed 48	-164.23	-27.37	-11.35	-0.65
733	Ft. 47	-137.60	-0.00	0.10	-4.04
	Fc. 45	-175.67	0.01	0.12	-5.19
	ClsMax 45	-175.67	0.01	0.12	-0.35
	ClsMed 45	-175.67	0.01	0.12	-0.34
	Combinazioni Quasi Permanenti				
695	Ft. 60	-177.75	-19.96	-6.99	3.71
	Fc. 60	-177.75	-19.96	-6.99	-12.99
	ClsMax 60	-177.75	-19.96	-6.99	-1.05

	ClsMed 60	-177.75	-19.96	-6.99	-0.48
733	Ft. 60	-153.00	0.01	0.11	-4.49
	Fc. 60	-153.00	0.01	0.11	-4.53
	ClsMax 60	-153.00	0.01	0.11	-0.30
	ClsMed 60	-153.00	0.01	0.11	-0.30

- Pilastro: 696/734 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm^2] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
696	23	-273.87	-165.36	-6.54	1.00	1.00	0.44
696	23	-273.87	-165.36	-6.54	1.00	1.00	0.44
734	23	-249.12	0.32	-0.04	1.00	1.00	0.03
734	23	-249.12	0.32	-0.04	1.00	1.00	0.03

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	233.70	522.01	675.49	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
696	Ft. 31	-92.16	-42.42	-0.14	45.18
	Fc. 31	-92.16	-42.42	-0.14	-18.34
	ClsMax 31	-92.16	-42.42	-0.14	-2.02
	ClsMed 31	-92.16	-42.42	-0.14	-1.01
734	Ft. 30	-51.94	0.03	-0.14	-1.50
	Fc. 28	-158.76	0.06	-0.11	-4.71
	ClsMax 28	-158.76	0.06	-0.11	-0.31
	ClsMed 28	-158.76	0.06	-0.11	-0.31
		Combinazioni Frequenti			
696	Ft. 48	-208.48	-27.97	-0.11	6.68
	Fc. 48	-208.48	-27.97	-0.11	-15.63
	ClsMax 48	-208.48	-27.97	-0.11	-1.32
	ClsMed 48	-208.48	-27.97	-0.11	-0.66
734	Ft. 47	-175.99	0.04	-0.11	-5.16
	Fc. 45	-223.97	0.05	-0.10	-6.63
	ClsMax 45	-223.97	0.05	-0.10	-0.44
	ClsMed 45	-223.97	0.05	-0.10	-0.44
		Combinazioni Quasi Permanenti			
696	Ft. 60	-226.97	-17.19	-0.11	-1.41
	Fc. 60	-226.97	-17.19	-0.11	-11.94
	ClsMax 60	-226.97	-17.19	-0.11	-0.93
	ClsMed 60	-226.97	-17.19	-0.11	-0.46
734	Ft. 60	-202.22	0.05	-0.11	-5.92
	Fc. 60	-202.22	0.05	-0.11	-5.99
	ClsMax 60	-202.22	0.05	-0.11	-0.40
	ClsMed 60	-202.22	0.05	-0.11	-0.40

- Pilastro: 697/735 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
697	23	-189.56	180.26	-4.30	1.00	1.00	0.53
697	23	-189.56	180.26	-4.30	1.00	1.00	0.53
735	18	-242.32	0.29	0.11	1.00	1.00	0.03
735	18	-242.32	0.29	0.11	1.00	1.00	0.03

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	267.80	522.01	485.11	1052.06	ø 10 6br.x4br./110'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
697	Ft. 31	-62.61	46.40	0.09	57.30
	Fc. 31	-62.61	46.40	0.09	-18.57
	ClsMax 31	-62.61	46.40	0.09	-2.20
	ClsMed 31	-62.61	46.40	0.09	-1.10
735	Ft. 31	-37.86	-0.02	0.08	-1.10
	Fc. 29	-144.37	0.02	0.05	-4.26
	ClsMax 29	-144.37	0.02	0.05	-0.28
	ClsMed 29	-144.37	0.02	0.05	-0.28
		Combinazioni Frequenti			
697	Ft. 48	-196.84	31.48	0.04	11.72
	Fc. 48	-196.84	31.48	0.04	-16.88
	ClsMax 48	-196.84	31.48	0.04	-1.49
	ClsMed 48	-196.84	31.48	0.04	-0.74
735	Ft. 48	-172.09	0.01	0.03	-5.06
	Fc. 46	-220.05	0.02	0.02	-6.49
	ClsMax 46	-220.05	0.02	0.02	-0.43
	ClsMed 46	-220.05	0.02	0.02	-0.43
		Combinazioni Quasi Permanenti			
697	Ft. 60	-223.58	20.42	0.03	0.07
	Fc. 60	-223.58	20.42	0.03	-12.94
	ClsMax 60	-223.58	20.42	0.03	-1.03
	ClsMed 60	-223.58	20.42	0.03	-0.51
735	Ft. 60	-198.83	0.02	0.03	-5.85
	Fc. 60	-198.83	0.02	0.03	-5.87
	ClsMax 60	-198.83	0.02	0.03	-0.39
	ClsMed 60	-198.83	0.02	0.03	-0.39

- Pilastro: 698/736 / L 2.00[m] / Sezione 4 B 1100 [mm]H 400 [mm]

Af: **30 ø 14 Af=4618 [mm²] < 1ϕ14 x 4 V + 11ϕ14 x 2 B + 2ϕ14 x 2 H >**

Staffe: **ø 10 6br.x4br./110' x 2000**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
698	23	-161.65	116.04	-67.95	1.00	1.00	0.33
698	23	-161.65	116.04	-67.95	1.00	1.00	0.33
736	4	-156.65	-0.04	0.08	1.00	1.00	0.02

- Verifiche a Taglio

Da [m]	A [m]	Vdx [kN]	Vrx [kN]	Vdy [kN]	Vry [kN]	Staffe
0.13	2.13	207.95	522.01	745.12	1052.06	ø 10 6br.x4br./110'

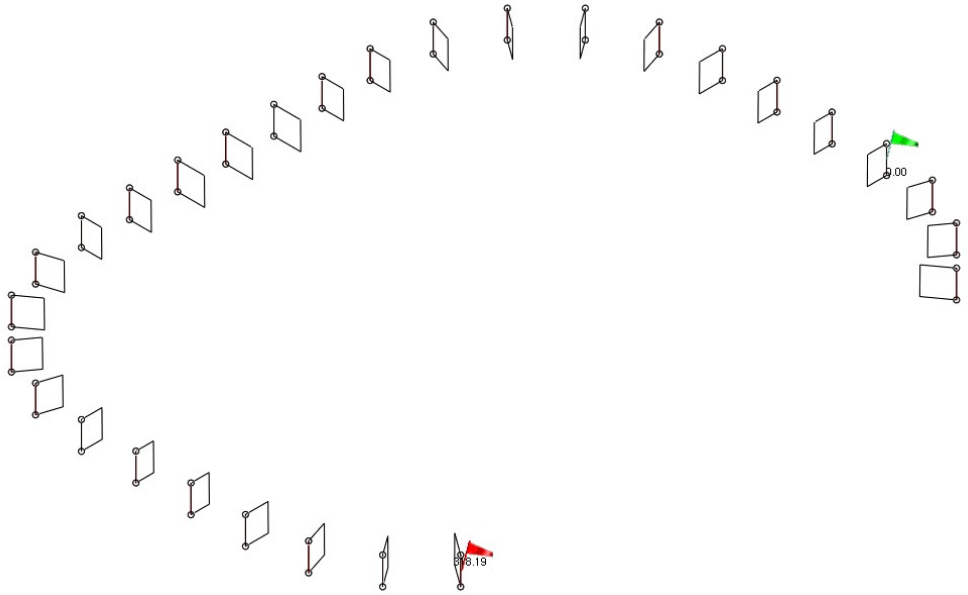
- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Rare			
698	Ft. 31	-62.74	15.48	-8.28	13.37
	Fc. 31	-62.74	15.48	-8.28	-9.79
	ClsMax 31	-62.74	15.48	-8.28	-0.91
	ClsMed 31	-62.74	15.48	-8.28	-0.37
736	Ft. 31	-37.99	-0.05	0.10	-1.09
	Fc. 29	-122.63	-0.03	0.06	-3.63
	ClsMax 29	-122.63	-0.03	0.06	-0.24
	ClsMed 29	-122.63	-0.03	0.06	-0.24
		Combinazioni Frequenti			
698	Ft. 48	-146.91	5.78	-6.81	-1.60
	Fc. 48	-146.91	5.78	-6.81	-7.05
	ClsMax 48	-146.91	5.78	-6.81	-0.52
	ClsMed 46	-183.64	-1.34	-4.50	-0.36
736	Ft. 48	-122.16	-0.03	0.09	-3.57
	Fc. 46	-158.89	-0.02	0.07	-4.70
	ClsMax 46	-158.89	-0.02	0.07	-0.31
	ClsMed 46	-158.89	-0.02	0.07	-0.31
		Combinazioni Quasi Permanenti			
698	Ft. 60	-161.26	-1.44	-3.47	-3.82
	Fc. 60	-161.26	-1.44	-3.47	-5.68
	ClsMax 60	-161.26	-1.44	-3.47	-0.39
	ClsMed 60	-161.26	-1.44	-3.47	-0.32
736	Ft. 60	-136.51	-0.02	0.08	-4.00
	Fc. 60	-136.51	-0.02	0.08	-4.04
	ClsMax 60	-136.51	-0.02	0.08	-0.27
	ClsMed 60	-136.51	-0.02	0.08	-0.27

17 VERIFICHE PILASTRI ACCIAIO

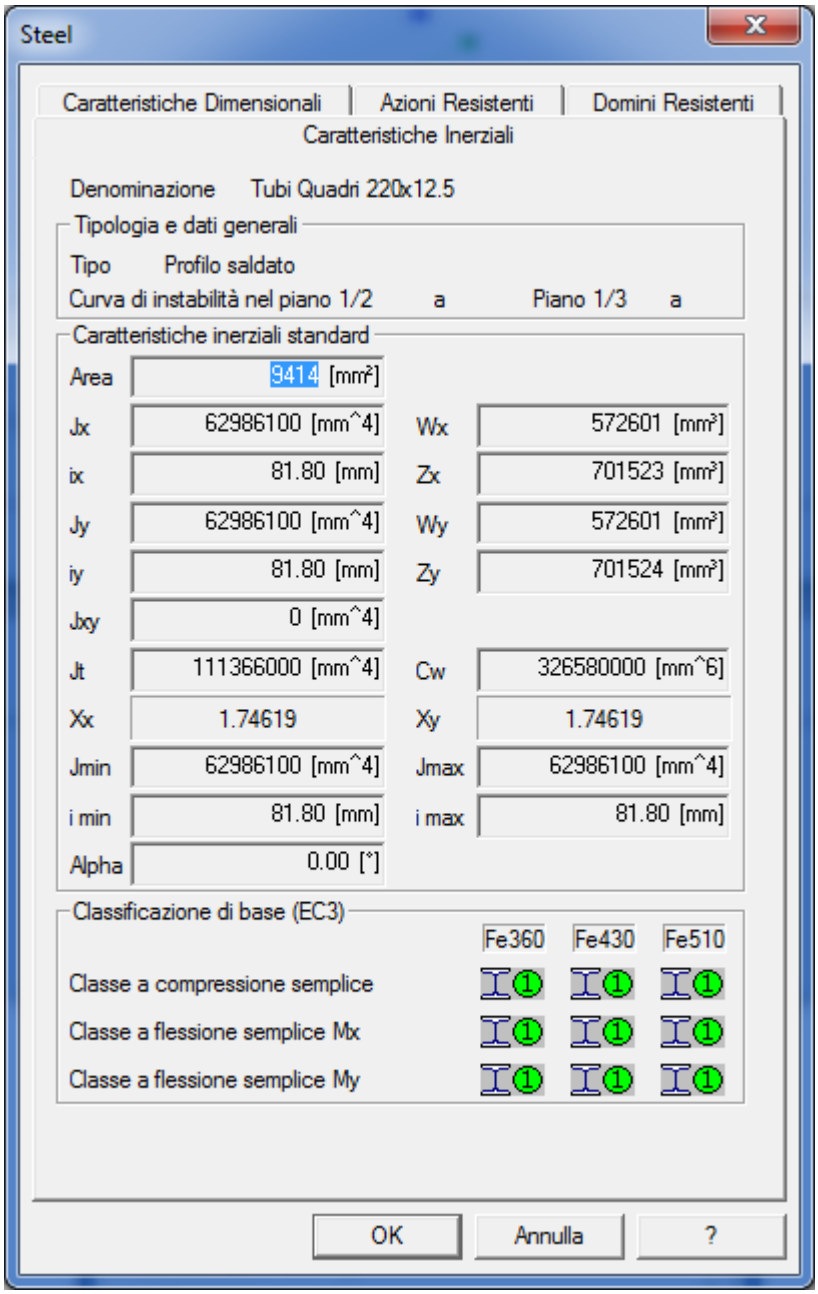
Numerazione nodale pilastri in tubi quadri

Inviluppo diagramma sforzo assiale



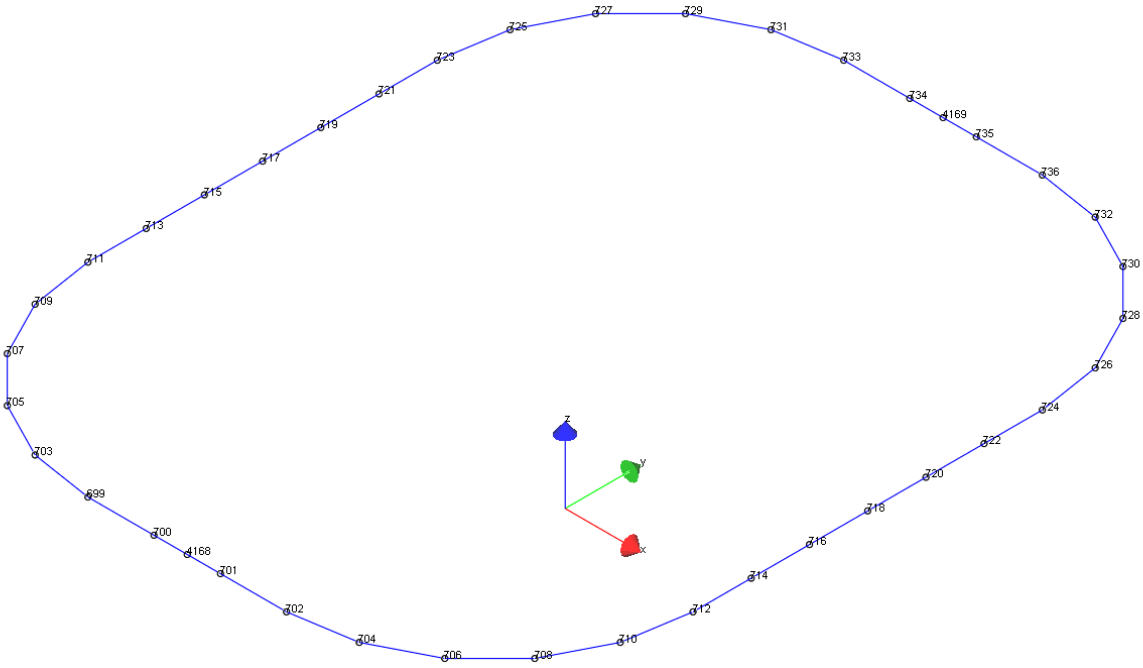
Inviluppo Sforzo normale SLU (1 : 25)

Sez			Max [kN]		Min [kN]
1	Biella	164 424	318.19	374 602	86.41

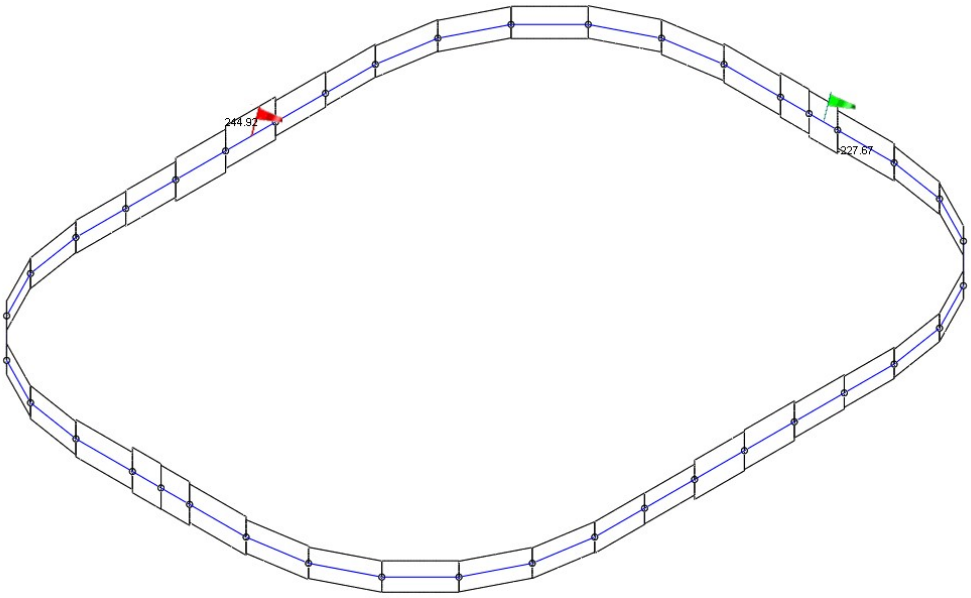

Steel
Caratteristiche Dimensionali
Azioni Resistenti
Domini Resistenti
Caratteristiche Inerziali
Denominazione Tubi Quadri 220x12.5
Tipologia e dati generali
Tipo Profilo saldato
Curva di instabilità nel piano 1/2 a
Piano 1/3 a
Caratteristiche inerziali standard
Area 9414 [mm²]
Jx 62986100 [mm^4]
Wx 572601 [mm³]
ix 81.80 [mm]
Zx 701523 [mm³]
Jy 62986100 [mm^4]
Wy 572601 [mm³]
iy 81.80 [mm]
Zy 701524 [mm³]
Jxy 0 [mm^4]
Jt 111366000 [mm^4]
Cw 326580000 [mm^6]
Xx 1.74619
Xy 1.74619
Jmin 62986100 [mm^4]
Jmax 62986100 [mm^4]
i min 81.80 [mm]
i max 81.80 [mm]
Alpha 0.00 [°]
Classificazione di base (EC3)
Fe360
Fe430
Fe510
Classe a compressione semplice
Classe a flessione semplice Mx
Classe a flessione semplice My
OK
Annulla
?

18 VERIFICHE CORREA

Numerazione nodale trave in tubi tondi

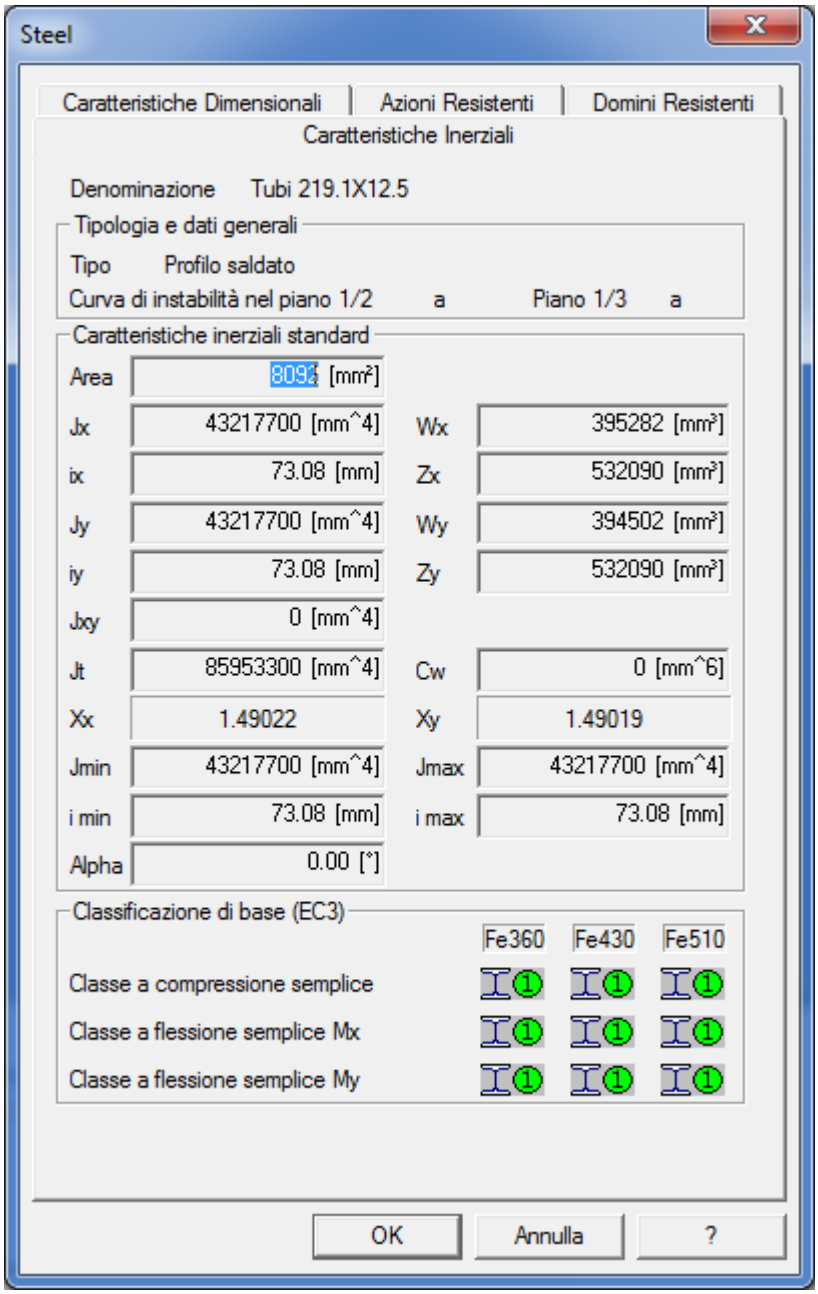


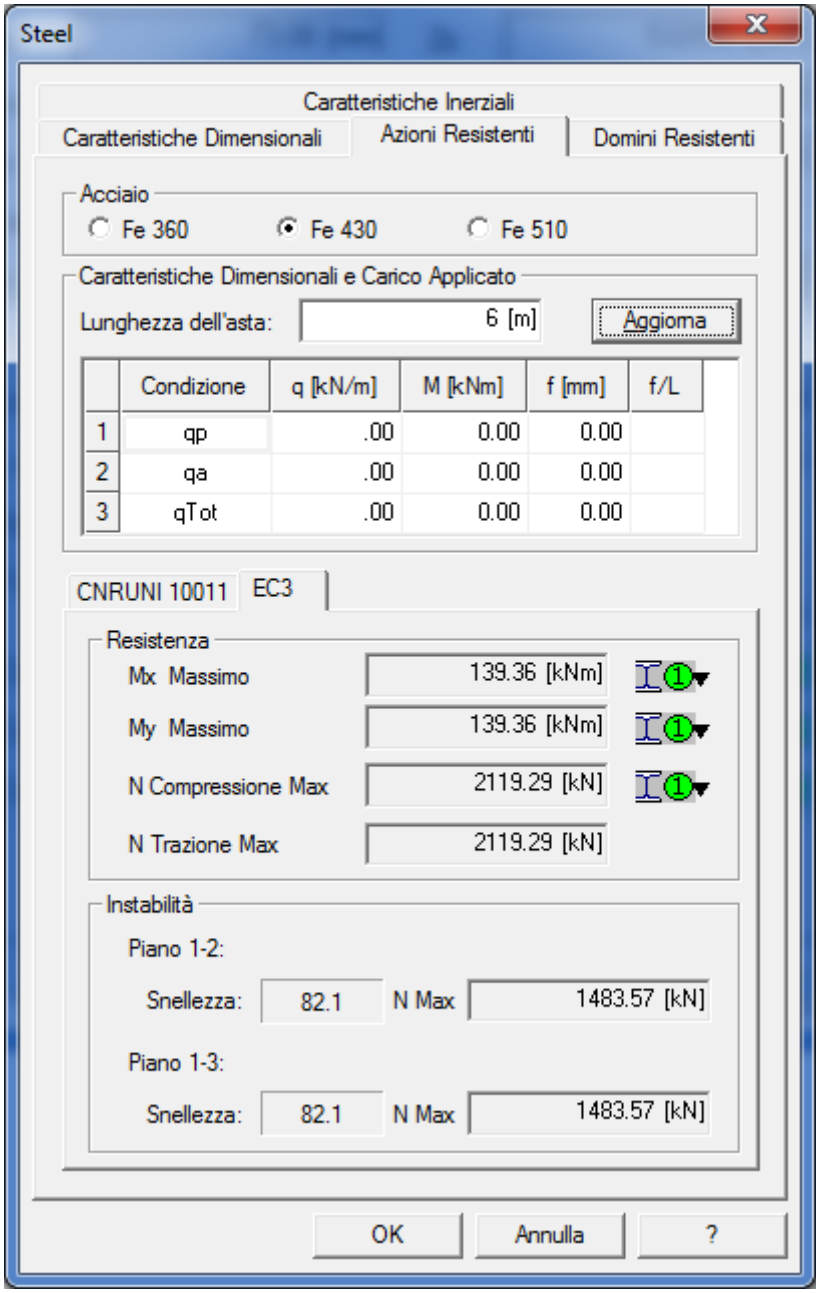
Inviluppo diagramma sforzo assiale



Inviluppo Sforzo normale SLU (1 : 25)

Sez			Max [kN]		Min [kN]
4	Travi	717 719	244.92	735 4169	-227.67

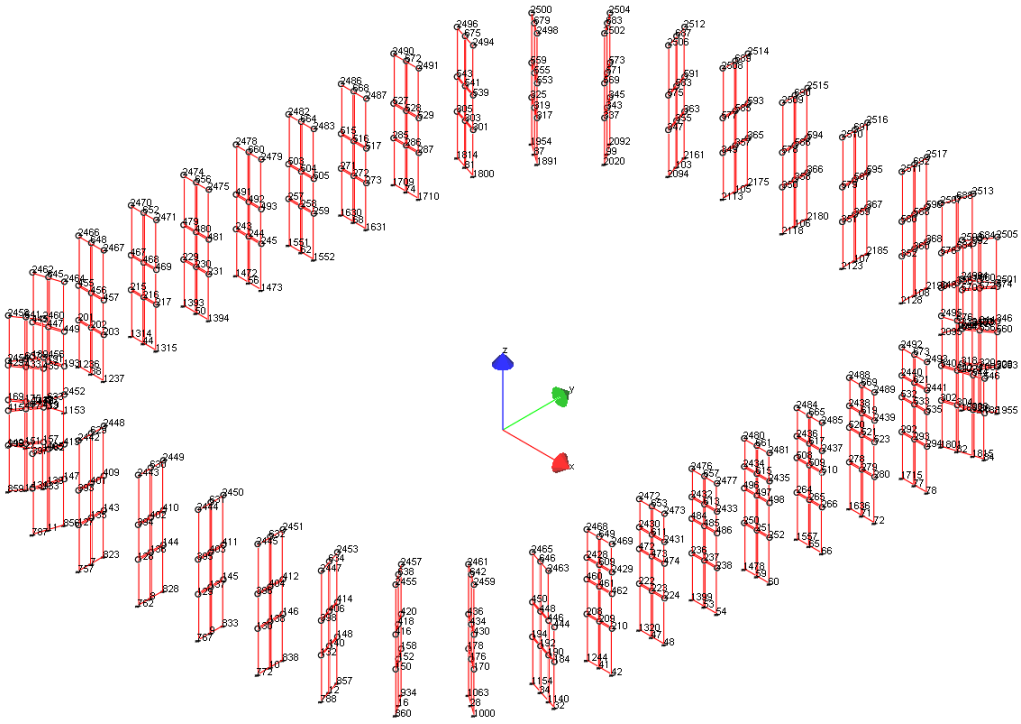

Steel
Caratteristiche Dimensionali
Azioni Resistenti
Domini Resistenti
Caratteristiche Inerziali
Denominazione Tubi 219.1X12.5
Tipologia e dati generali
Tipo Profilo saldato
Curva di instabilità nel piano 1/2 a
Piano 1/3 a
Caratteristiche inerziali standard
Area 8092 [mm²]
Jx 43217700 [mm^4]
Wx 395282 [mm³]
ix 73.08 [mm]
Zx 532090 [mm³]
Jy 43217700 [mm^4]
Wy 394502 [mm³]
iy 73.08 [mm]
Zy 532090 [mm³]
Jxy 0 [mm^4]
Jt 85953300 [mm^4]
Cw 0 [mm^6]
Xx 1.49022
Xy 1.49019
Jmin 43217700 [mm^4]
Jmax 43217700 [mm^4]
i min 73.08 [mm]
i max 73.08 [mm]
Alpha 0.00 [°]
Classificazione di base (EC3)
Fe360
Fe430
Fe510
Classe a compressione semplice
Classe a flessione semplice Mx
Classe a flessione semplice My
OK
Annulla
?



19 VERIFICHE SETTI C.A.

- Verifiche setti in c.a.

Elementi di sezione 2 (setti reggigradoni): Vista 3d con numerazione nodale



Elementi di sezione 2 (setti reggigradoni): Nodi di spiccato

- Modalità di verifica

I setti in c.a. vengono verificati come setti/diaframmi o nuclei.

Le verifiche sono condotte nella sezione di base e nella sezione di sommità del setto.

- Sezioni 2:

Sezione Numero	Info	Dimensioni	Criterio	Calcestruzzo	f_{cd} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Copriferro [mm]
2	Muro setto	s 400 [mm]	Verset	C28/35	15.87	B 450 C	391.30	360.00	450.00	450.00	59.00

Fattore di sovraresistenza $\gamma_{R,d}$=1.00

Per nuclei e diaframmi i momenti di progetto sono traslati e inviluppati

Per nuclei e diaframmi i tagli di progetto sono traslati e inviluppati

Taglio di progetto pari a 1.5 taglio di calcolo

EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. cotg θ = 1.00

- Verifiche Setti:

- NUCLEO 7 823 757

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
7 823	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
757 7	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2254.49	-1830.02	0.00	0.25
Som.	17	-2103.56	-465.20	0.00	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1584.83	-1334.22	0.00	-4.03
Cls.Med	60	-1584.83	-1334.22	0.00	-2.02
Ft.	28	-1563.69	-1315.94	0.00	30.25
Fc.	60	-1584.83	-1334.22	0.00	-60.50
Sommita					
Cls.	60	-1584.83	-1334.22	0.00	-4.03
Cls.Med	60	-1584.83	-1334.22	0.00	-2.02
Ft.	28	-1563.69	-1315.94	0.00	30.25
Fc.	60	-1584.83	-1334.22	0.00	-60.50

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
757-7-823	2.70	4.30	23	-321.94	1.50	-482.91	-1554.91	1461.80	3772.14	1051.90	2244.18	0.46

- NUCLEO 135 143 127

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
135 143	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
127 135	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-1246.68	-1127.92	0.00	0.17
Som.	5	-1411.99	-1785.50	0.00	0.29

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1227.66	-501.16	0.00	-1.98
Cls.Med	60	-1227.66	-501.16	0.00	-1.04
Ft.	49	-1215.92	-519.75	0.00	-0.81
Fc.	60	-1227.66	-501.16	0.00	-29.75
Sommita					
Cls.	60	-1227.66	-501.16	0.00	-1.98
Cls.Med	60	-1227.66	-501.16	0.00	-1.04
Ft.	49	-1215.92	-519.75	0.00	-0.81
Fc.	60	-1227.66	-501.16	0.00	-29.75

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
127-135-143	2.70	3.20	25	253.86	1.50	380.79	-1209.61	-63.76	3772.14	1051.90	2585.08	0.36

- NUCLEO 401 409 393

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
401 409	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
393 401	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	-450.26	1141.69	-0.00	0.24
Som.	24	-316.96	638.44	-0.00	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	27	-419.89	530.43	-0.00	-1.90
Cls.Med	27	-419.89	530.43	-0.00	-0.95
Ft.	27	-419.89	530.43	-0.00	36.23
Fc.	27	-419.89	530.43	-0.00	-28.43
Sommita					
Cls.	27	-419.89	530.43	-0.00	-1.90
Cls.Med	27	-419.89	530.43	-0.00	-0.95
Ft.	27	-419.89	530.43	-0.00	36.23
Fc.	27	-419.89	530.43	-0.00	-28.43

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
393-401-409	2.70	5.10	24	107.98	1.50	161.96	-450.26	-1141.69	3772.14	1051.90	1232.14	0.15

- NUCLEO 8 828 762

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
8 828	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
762 8	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2565.26	-1596.55	0.00	0.24
Som.	17	-2414.33	-911.80	0.00	0.18

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1811.84	-1205.23	0.00	-3.74
Cls.Med	60	-1811.84	-1205.23	0.00	-1.87
Ft.	29	-1776.24	-1161.61	0.00	12.52
Fc.	60	-1811.84	-1205.23	0.00	-56.03
Sommita					
Cls.	60	-1811.84	-1205.23	0.00	-3.74
Cls.Med	60	-1811.84	-1205.23	0.00	-1.87
Ft.	29	-1776.24	-1161.61	0.00	12.52
Fc.	60	-1811.84	-1205.23	0.00	-56.03

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
762-8-828	2.70	4.30	19	-245.67	1.50	-368.51	-1812.13	1353.43	3772.14	1051.90	2504.14	0.35

- NUCLEO 136 144 128

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
136 144	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
128 136	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1955.21	-1362.43	0.00	0.22
Som.	5	-1618.00	-2321.17	0.00	0.40

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1425.04	-833.79	0.00	-2.83
Cls.Med	60	-1425.04	-833.79	0.00	-1.41
Ft.	60	-1425.04	-833.79	0.00	7.15
Fc.	60	-1425.04	-833.79	0.00	-42.43
Sommita					
Cls.	60	-1425.04	-833.79	0.00	-2.83
Cls.Med	60	-1425.04	-833.79	0.00	-1.41
Ft.	60	-1425.04	-833.79	0.00	7.15
Fc.	60	-1425.04	-833.79	0.00	-42.43

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
128-136-144	2.70	3.20	24	266.90	1.50	400.34	-1424.57	326.25	3772.14	1051.90	2780.32	0.38

- NUCLEO 402 410 394

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
402 410	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
394 402	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	-568.56	883.43	-0.00	0.15
Som.	24	-402.14	745.03	-0.00	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	27	-460.90	509.89	-0.00	-1.77
Cls.Med	27	-460.90	509.89	-0.00	-0.88
Ft.	27	-460.90	509.89	-0.00	27.58
Fc.	27	-460.90	509.89	-0.00	-26.54
Sommita					
Cls.	27	-460.90	509.89	-0.00	-1.77

Cls.Med	27	-460.90	509.89	-0.00	-0.88
Ft.	27	-460.90	509.89	-0.00	27.58
Fc.	27	-460.90	509.89	-0.00	-26.54

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
394-402-410	2.70	5.10	25	53.50	1.50	80.24	-546.02	-822.07	3772.14	1051.90	1359.15	0.08

- NUCLEO 9 833 767

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
9 833	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
767 9	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2535.52	-1591.08	0.00	0.24
Som.	17	-2384.59	-741.58	0.00	0.17

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1795.69	-1182.66	0.00	-3.67
Cls.Med	60	-1795.69	-1182.66	0.00	-1.84
Ft.	28	-1755.66	-1151.41	0.00	12.54
Fc.	60	-1795.69	-1182.66	0.00	-55.09
Sommita					
Cls.	60	-1795.69	-1182.66	0.00	-3.67
Cls.Med	60	-1795.69	-1182.66	0.00	-1.84
Ft.	28	-1755.66	-1151.41	0.00	12.54
Fc.	60	-1795.69	-1182.66	0.00	-55.09

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
767-9-833	2.70	4.30	23	-236.69	1.50	-355.04	-1833.15	1430.39	3772.14	1051.90	2496.74	0.34

- NUCLEO 137 145 129

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
137 145	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
129 137	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1934.18	-1161.05	0.00	0.19
Som.	6	-1596.20	-2367.74	0.00	0.41

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1418.10	-695.69	0.00	-2.51
Cls.Med	60	-1418.10	-695.69	0.00	-1.26

Ft.	60	-1418.10	-695.69	0.00	1.72
Fc.	60	-1418.10	-695.69	0.00	-37.72
Sommita					
Cls.	60	-1418.10	-695.69	0.00	-2.51
Cls.Med	60	-1418.10	-695.69	0.00	-1.26
Ft.	60	-1418.10	-695.69	0.00	1.72
Fc.	60	-1418.10	-695.69	0.00	-37.72

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
129-137-145	2.70	3.20	24	287.39	1.50	431.09	-1383.54	294.15	3772.14	1051.90	2747.60	0.41

- NUCLEO 403 411 395

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
403 411	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
395 403	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	25	-546.38	894.98	-0.00	0.16
Som.	25	-378.83	719.22	-0.00	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-450.12	489.32	-0.00	-1.69
Cls.Med	26	-450.12	489.32	-0.00	-0.85
Ft.	26	-450.12	489.32	-0.00	25.58
Fc.	26	-450.12	489.32	-0.00	-25.37
Sommita					
Cls.	26	-450.12	489.32	-0.00	-1.69
Cls.Med	26	-450.12	489.32	-0.00	-0.85
Ft.	26	-450.12	489.32	-0.00	25.58
Fc.	26	-450.12	489.32	-0.00	-25.37

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
395-403-411	2.70	5.10	25	56.99	1.50	85.48	-546.38	-894.98	3772.14	1051.90	1337.80	0.08

- NUCLEO 10 838 772

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
10 838	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
772 10	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-39.27	-890.26	0.00	0.22
Som.	21	-586.97	-953.95	0.00	0.14

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	26	-742.36	-437.07	0.00	-1.40
Cls.Med	26	-742.36	-437.07	0.00	-0.70
Ft.	29	-708.48	-423.86	0.00	3.17
Fc.	26	-742.36	-437.07	0.00	-20.99
Sommita					
Cls.	26	-742.36	-437.07	0.00	-1.40
Cls.Med	26	-742.36	-437.07	0.00	-0.70
Ft.	29	-708.48	-423.86	0.00	3.17
Fc.	26	-742.36	-437.07	0.00	-20.99

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
772-10-838	2.70	4.30	19	334.59	1.50	501.89	-71.31	-530.88	3772.14	1051.90	949.47	0.53

- NUCLEO 138 146 130

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
138 146	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
130 138	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-230.52	-1058.95	0.00	0.29
Som.	23	-748.16	-844.61	0.00	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-554.04	-554.51	0.00	-1.90
Cls.Med	60	-554.04	-554.51	0.00	-0.95
Ft.	60	-554.04	-554.51	0.00	25.51
Fc.	60	-554.04	-554.51	0.00	-28.46
Sommita					
Cls.	60	-554.04	-554.51	0.00	-1.90
Cls.Med	60	-554.04	-554.51	0.00	-0.95
Ft.	60	-554.04	-554.51	0.00	25.51
Fc.	60	-554.04	-554.51	0.00	-28.46

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
130-138-146	2.70	3.20	18	354.10	1.50	531.16	-146.94	-411.26	3772.14	1051.90	984.99	0.54

- NUCLEO 404 412 396

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
404 412	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
396 404	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	25	-451.11	909.26	-0.00	0.18
Som.	25	-315.49	593.21	-0.00	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-416.81	446.69	-0.00	-1.54
Cls.Med	26	-416.81	446.69	-0.00	-0.77
Ft.	26	-416.81	446.69	-0.00	22.69
Fc.	26	-416.81	446.69	-0.00	-23.08
Sommita					
Cls.	26	-416.81	446.69	-0.00	-1.54
Cls.Med	26	-416.81	446.69	-0.00	-0.77
Ft.	26	-416.81	446.69	-0.00	22.69
Fc.	26	-416.81	446.69	-0.00	-23.08

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
396-404-412	2.70	5.10	25	75.72	1.50	113.58	-451.11	-909.26	3772.14	1051.90	1240.16	0.11

- NUCLEO 11 856 787

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
11 856	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
787 11	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2085.88	-1351.00	438.97	0.20
Som.	20	-1370.51	-750.75	243.93	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1455.82	-960.68	312.14	-2.99
Cls.Med	60	-1455.82	-960.68	312.14	-1.50
Ft.	60	-1455.82	-960.68	312.14	12.19
Fc.	60	-1455.82	-960.68	312.14	-44.91
Sommita					
Cls.	60	-1455.82	-960.68	312.14	-2.99
Cls.Med	60	-1455.82	-960.68	312.14	-1.50
Ft.	60	-1455.82	-960.68	312.14	12.19
Fc.	60	-1455.82	-960.68	312.14	-44.91

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
787-11-856	2.70	4.30	22	-355.98	1.50	-533.96	-1488.67	1212.49	3772.14	1909.00	2743.66	0.28

- NUCLEO 139 147 131

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

139 147	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
131 139	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-1135.36	-1107.37	359.80	0.17
Som.	20	-1051.52	-1428.12	464.02	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1102.75	-329.05	106.92	-1.54
Cls.Med	60	-1102.75	-329.05	106.92	-0.91
Ft.	30	-1043.70	-393.13	127.74	-1.61
Fc.	60	-1102.75	-329.05	106.92	-23.10
Sommita					
Cls.	60	-1102.75	-329.05	106.92	-1.54
Cls.Med	60	-1102.75	-329.05	106.92	-0.91
Ft.	30	-1043.70	-393.13	127.74	-1.61
Fc.	60	-1102.75	-329.05	106.92	-23.10

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
131-139-147	2.70	3.20	25	160.13	1.50	240.20	-1070.77	-336.43	3772.14	1909.00	2991.88	0.13

- NUCLEO 405 413 397

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
405 413	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
397 405	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	-438.45	1321.98	-429.54	0.26
Som.	24	-306.21	627.72	-203.96	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-423.81	559.36	-181.75	-1.98
Cls.Med	60	-423.81	559.36	-181.75	-0.99
Ft.	60	-423.81	559.36	-181.75	38.75
Fc.	60	-423.81	559.36	-181.75	-29.70
Sommita					
Cls.	60	-423.81	559.36	-181.75	-1.98
Cls.Med	60	-423.81	559.36	-181.75	-0.99
Ft.	60	-423.81	559.36	-181.75	38.75
Fc.	60	-423.81	559.36	-181.75	-29.70

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
397-405-413	2.70	5.10	24	-153.11	1.50	-229.67	-306.21	-660.02	3772.14	1909.00	1487.64	0.15

- NUCLEO 788 12 857

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
788 12	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'
12 857	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	116.11	-523.64	-170.14	0.13
Som.	21	-252.53	-562.15	-182.65	0.08

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-691.81	-380.45	-123.61	-1.25
Cls.Med	60	-691.81	-380.45	-123.61	-0.62
Ft.	60	-691.81	-380.45	-123.61	2.30
Fc.	60	-691.81	-380.45	-123.61	-18.70
Sommita					
Cls.	60	-691.81	-380.45	-123.61	-1.25
Cls.Med	60	-691.81	-380.45	-123.61	-0.62
Ft.	60	-691.81	-380.45	-123.61	2.30
Fc.	60	-691.81	-380.45	-123.61	-18.70

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
788-12-857	2.70	4.30	23	109.29	1.50	163.93	226.70	29.30	3772.14	1909.00	708.08	0.23

- NUCLEO 132 140 148

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
132 140	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
140 148	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-31.93	-958.35	-311.39	0.25
Som.	18	-946.39	-323.62	-105.15	0.07

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-557.52	-294.15	-95.57	-1.03
Cls.Med	60	-557.52	-294.15	-95.57	-0.52
Ft.	60	-557.52	-294.15	-95.57	1.91
Fc.	60	-557.52	-294.15	-95.57	-15.52
Sommita					
Cls.	60	-557.52	-294.15	-95.57	-1.03
Cls.Med	60	-557.52	-294.15	-95.57	-0.52
Ft.	60	-557.52	-294.15	-95.57	1.91
Fc.	60	-557.52	-294.15	-95.57	-15.52

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
132-140-148	2.70	3.20	22	375.37	1.50	563.06	59.60	-157.47	3772.14	1909.00	988.16	0.57

- NUCLEO 398 406 414

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
398 406	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
406 414	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-439.21	1207.21	392.25	0.23
Som.	19	-303.69	586.03	190.41	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-426.61	463.68	150.66	-1.60
Cls.Med	26	-426.61	463.68	150.66	-0.80
Ft.	30	-350.87	419.30	136.24	25.45
Fc.	26	-426.61	463.68	150.66	-23.96
Sommita					
Cls.	26	-426.61	463.68	150.66	-1.60
Cls.Med	26	-426.61	463.68	150.66	-0.80
Ft.	30	-350.87	419.30	136.24	25.45
Fc.	26	-426.61	463.68	150.66	-23.96

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
398-406-414	2.70	5.10	19	-134.01	1.50	-201.02	-303.69	-616.19	3772.14	1909.00	1497.22	0.13

- NUCLEO 859 15 933

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
859 15	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'
15 933	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2076.92	-1266.19	919.94	0.21
Som.	20	-1436.57	-552.05	401.09	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1462.02	-906.15	658.36	-3.28
Cls.Med	60	-1462.02	-906.15	658.36	-1.64
Ft.	60	-1462.02	-906.15	658.36	18.01
Fc.	60	-1462.02	-906.15	658.36	-49.27
Sommita					
Cls.	60	-1462.02	-906.15	658.36	-3.28

Cls.Med	60	-1462.02	-906.15	658.36	-1.64
Ft.	60	-1462.02	-906.15	658.36	18.01
Fc.	60	-1462.02	-906.15	658.36	-49.27

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
859-15-933	2.70	4.30	24	-466.91	1.50	-700.36	-1465.46	1136.77	3772.14	1909.00	2758.55	0.37

- NUCLEO 149 151 157

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
149 151	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
151 157	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-1182.59	-848.31	616.33	0.15
Som.	20	-1044.44	-1198.05	870.43	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1106.36	-130.81	95.04	-1.21
Cls.Med	60	-1106.36	-130.81	95.04	-0.92
Ft.	30	-1042.47	-171.40	124.53	-7.15
Fc.	60	-1106.36	-130.81	95.04	-18.21
Sommita					
Cls.	60	-1106.36	-130.81	95.04	-1.21
Cls.Med	60	-1106.36	-130.81	95.04	-0.92
Ft.	30	-1042.47	-171.40	124.53	-7.15
Fc.	60	-1106.36	-130.81	95.04	-18.21

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
149-151-157	2.70	3.20	23	237.00	1.50	355.49	-1030.16	-567.22	3772.14	1909.00	2604.25	0.19

- NUCLEO 415 417 419

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
415 417	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
417 419	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	-446.27	1077.86	-783.11	0.26
Som.	24	-320.57	530.72	-385.59	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-431.20	480.39	-349.02	-2.04
Cls.Med	60	-431.20	480.39	-349.02	-1.02

Ft.	60	-431.20	480.39	-349.02	41.19
Fc.	60	-431.20	480.39	-349.02	-30.57
Sommita					
Cls.	60	-431.20	480.39	-349.02	-2.04
Cls.Med	60	-431.20	480.39	-349.02	-1.02
Ft.	60	-431.20	480.39	-349.02	41.19
Fc.	60	-431.20	480.39	-349.02	-30.57

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
415-417-419	2.70	5.10	24	-141.36	1.50	-212.04	-320.57	-656.00	3772.14	1909.00	1479.75	0.14

- NUCLEO 16 934 860

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
16 934	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
860 16	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2062.65	-1693.17	-1230.16	0.26
Som.	17	-1911.72	306.35	222.58	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1451.51	-1194.97	-868.20	-4.28
Cls.Med	60	-1451.51	-1194.97	-868.20	-2.14
Ft.	60	-1451.51	-1194.97	-868.20	44.95
Fc.	60	-1451.51	-1194.97	-868.20	-64.16
Sommita					
Cls.	60	-1451.51	-1194.97	-868.20	-4.28
Cls.Med	60	-1451.51	-1194.97	-868.20	-2.14
Ft.	60	-1451.51	-1194.97	-868.20	44.95
Fc.	60	-1451.51	-1194.97	-868.20	-64.16

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
860-16-934	2.70	4.30	25	-556.51	1.50	-834.77	-1402.44	1597.07	3772.14	1909.00	2523.84	0.44

- NUCLEO 152 158 150

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
152 158	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
150 152	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1106.92	566.19	411.36	0.11
Som.	21	-1042.03	-1258.46	-914.33	0.24

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	60	-1112.43	59.56	43.27	-1.06
Cls.Med	60	-1112.43	59.56	43.27	-0.92
Ft.	30	-1050.30	59.74	43.41	-11.02
Fc.	60	-1112.43	59.56	43.27	-15.85
Sommita					
Cls.	60	-1112.43	59.56	43.27	-1.06
Cls.Med	60	-1112.43	59.56	43.27	-0.92
Ft.	30	-1050.30	59.74	43.41	-11.02
Fc.	60	-1112.43	59.56	43.27	-15.85

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
150-152-158	2.70	3.20	23	315.10	1.50	472.64	-1109.73	313.39	3772.14	1909.00	3071.13	0.25

- NUCLEO 418 420 416

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
418 420	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
416 418	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-454.07	1139.51	827.90	0.28
Som.	19	-343.52	577.79	419.79	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-453.15	435.46	316.38	-1.80
Cls.Med	26	-453.15	435.46	316.38	-0.90
Ft.	26	-453.15	435.46	316.38	30.17
Fc.	26	-453.15	435.46	316.38	-27.06
Sommita					
Cls.	26	-453.15	435.46	316.38	-1.80
Cls.Med	26	-453.15	435.46	316.38	-0.90
Ft.	26	-453.15	435.46	316.38	30.17
Fc.	26	-453.15	435.46	316.38	-27.06

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
416-418-420	2.70	5.10	19	-148.73	1.50	-223.10	-343.52	-714.19	3772.14	1909.00	1492.52	0.15

- NUCLEO 1000 27 1062

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
999 27	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'
27 1062	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	17	-2029.57	-1123.56	1546.45	0.24
Som.	23	-1265.88	435.74	-599.75	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1432.04	-797.59	1097.78	-3.96
Cls.Med	60	-1432.04	-797.59	1097.78	-1.97
Ft.	60	-1432.04	-797.59	1097.78	36.67
Fc.	60	-1432.04	-797.59	1097.78	-59.28
Sommita					
Cls.	60	-1432.04	-797.59	1097.78	-3.96
Cls.Med	60	-1432.04	-797.59	1097.78	-1.97
Ft.	60	-1432.04	-797.59	1097.78	36.67
Fc.	60	-1432.04	-797.59	1097.78	-59.28

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
999-27-1062	2.70	4.30	24	-474.77	1.50	-712.16	-1415.43	1365.11	3772.14	1909.00	2610.91	0.37

- NUCLEO 169 175 177

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
169 175	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
175 177	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-1200.73	-634.83	873.77	0.16
Som.	20	-1028.98	-866.82	1193.08	0.23

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1095.79	-62.79	86.43	-1.11
Cls.Med	60	-1095.79	-62.79	86.43	-0.91
Ft.	30	-1035.25	-85.93	118.27	-8.87
Fc.	60	-1095.79	-62.79	86.43	-16.61
Sommita					
Cls.	60	-1095.79	-62.79	86.43	-1.11
Cls.Med	60	-1095.79	-62.79	86.43	-0.91
Ft.	30	-1035.25	-85.93	118.27	-8.87
Fc.	60	-1095.79	-62.79	86.43	-16.61

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
169-175-177	2.70	3.20	23	285.30	1.50	427.95	-991.56	-719.94	3772.14	1909.00	2396.80	0.22

- NUCLEO 429 433 435

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

429 433	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
433 435	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	25	-450.76	750.16	-1032.51	0.25
Som.	23	-314.36	385.67	-530.83	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-429.41	350.67	-482.66	-2.06
Cls.Med	60	-429.41	350.67	-482.66	-1.03
Ft.	60	-429.41	350.67	-482.66	41.87
Fc.	60	-429.41	350.67	-482.66	-30.88
Sommita					
Cls.	60	-429.41	350.67	-482.66	-2.06
Cls.Med	60	-429.41	350.67	-482.66	-1.03
Ft.	60	-429.41	350.67	-482.66	41.87
Fc.	60	-429.41	350.67	-482.66	-30.88

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
429-433-435	2.70	5.10	22	-135.92	1.50	-203.88	-315.27	-653.52	3772.14	1909.00	1474.60	0.14

- NUCLEO 999 28 1063

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1000 28	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'
28 1063	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2141.02	-1651.47	-2273.06	0.35
Som.	19	-1407.45	564.49	776.95	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1510.32	-1177.72	-1620.99	-5.92
Cls.Med	60	-1510.32	-1177.72	-1620.99	-2.94
Ft.	60	-1510.32	-1177.72	-1620.99	93.58
Fc.	60	-1510.32	-1177.72	-1620.99	-88.64
Sommita					
Cls.	60	-1510.32	-1177.72	-1620.99	-5.92
Cls.Med	60	-1510.32	-1177.72	-1620.99	-2.94
Ft.	60	-1510.32	-1177.72	-1620.99	93.58
Fc.	60	-1510.32	-1177.72	-1620.99	-88.64

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1000-28-1063	2.70	4.30	25	-700.00	1.50	-1049.99	-1527.56	2260.06	3772.14	1909.00	2478.25	0.55

- NUCLEO 170 176 178

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
170 176	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
176 178	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1111.43	426.14	586.53	0.11
Som.	21	-1031.46	-859.62	-1183.16	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1114.57	-3.60	-4.96	-0.94
Cls.Med	60	-1114.57	-3.60	-4.96	-0.93
Ft.	31	-1065.39	-42.94	-59.10	-11.26
Fc.	60	-1114.57	-3.60	-4.96	-14.06
Sommita					
Cls.	60	-1114.57	-3.60	-4.96	-0.94
Cls.Med	60	-1114.57	-3.60	-4.96	-0.93
Ft.	31	-1065.39	-42.94	-59.10	-11.26
Fc.	60	-1114.57	-3.60	-4.96	-14.06

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
170-176-178	2.70	3.20	23	267.75	1.50	401.63	-1117.39	554.02	3772.14	1909.00	2734.73	0.21

- NUCLEO 430 434 436

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
430 434	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
434 436	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-478.87	857.35	1180.04	0.29
Som.	19	-334.86	420.02	578.11	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-442.58	309.83	426.44	-1.78
Cls.Med	26	-442.58	309.83	426.44	-0.89
Ft.	26	-442.58	309.83	426.44	29.67
Fc.	26	-442.58	309.83	426.44	-26.62
Sommita					
Cls.	26	-442.58	309.83	426.44	-1.78
Cls.Med	26	-442.58	309.83	426.44	-0.89
Ft.	26	-442.58	309.83	426.44	29.67
Fc.	26	-442.58	309.83	426.44	-26.62

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
430-434-436	2.70	5.10	19	-138.91	1.50	-208.36	-334.86	-714.59	3772.14	1909.00	1482.34	0.14

- NUCLEO 34 1154 1140 32

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
34 1154	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
1140 34	2	1350	4300	400	2x ø 16 150'	2x ø 14 150'
1140 32	2	973	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2524.90	-990.53	-3048.55	0.22
Som.	23	-2032.11	-508.04	-1563.60	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1786.87	-727.85	-2240.08	-3.76
Cls.Med	60	-1786.87	-727.85	-2240.08	-1.88
Ft.	26	-1828.31	-738.69	-2273.45	37.63
Fc.	60	-1786.87	-727.85	-2240.08	-56.37
Sommita					
Cls.	60	-1786.87	-727.85	-2240.08	-3.76
Cls.Med	60	-1786.87	-727.85	-2240.08	-1.88
Ft.	26	-1828.31	-738.69	-2273.45	37.63
Fc.	60	-1786.87	-727.85	-2240.08	-56.37

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1154-34-1140-32	3.67	4.30	24	696.98	1.50	1045.48	-1969.79	-2989.20	5161.36	2612.05	3425.72	0.40

- NUCLEO 192 194 190 184

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
192 194	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
190 192	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
190 184	2	973	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-1556.33	-708.51	-2180.57	0.18
Som.	21	-1225.91	-601.96	-1852.63	0.15

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1306.13	-347.10	-1068.25	-1.96
Cls.Med	60	-1306.13	-347.10	-1068.25	-0.98
Ft.	60	-1306.13	-347.10	-1068.25	6.77
Fc.	60	-1306.13	-347.10	-1068.25	-29.47

Sommita					
Cls.	60	-1306.13	-347.10	-1068.25	-1.96
Cls.Med	60	-1306.13	-347.10	-1068.25	-0.98
Ft.	60	-1306.13	-347.10	-1068.25	6.77
Fc.	60	-1306.13	-347.10	-1068.25	-29.47

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
194-192-190-184	3.67	3.20	18	-316.25	1.50	-474.38	-1040.91	-123.69	5161.36	2612.05	3922.10	0.18

- NUCLEO 33 1154 1137

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
33 1153	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
1139 33	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2067.54	-616.99	1898.91	0.25
Som.	18	-1892.24	-181.87	559.75	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1465.88	-443.03	1363.52	-4.16
Cls.Med	60	-1465.88	-443.03	1363.52	-2.08
Ft.	60	-1465.88	-443.03	1363.52	41.96
Fc.	60	-1465.88	-443.03	1363.52	-62.43
Sommita					
Cls.	60	-1465.88	-443.03	1363.52	-4.16
Cls.Med	60	-1465.88	-443.03	1363.52	-2.08
Ft.	60	-1465.88	-443.03	1363.52	41.96
Fc.	60	-1465.88	-443.03	1363.52	-62.43

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1139-33-1153	2.70	4.30	24	-526.21	1.50	-789.31	-1876.72	1733.06	3772.14	1909.00	2899.10	0.41

- NUCLEO 191 193 189

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
191 193	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
189 191	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-1501.46	-378.06	1163.56	0.18
Som.	21	-706.79	-416.76	1282.66	0.23

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					

Cls.		60	-1063.65	-96.65	297.46	-1.45
Cls.Med		60	-1063.65	-96.65	297.46	-0.88
Ft.		30	-1064.03	-109.85	338.07	-3.44
Fc.		60	-1063.65	-96.65	297.46	-21.79
Sommita						
Cls.		60	-1063.65	-96.65	297.46	-1.45
Cls.Med		60	-1063.65	-96.65	297.46	-0.88
Ft.		30	-1064.03	-109.85	338.07	-3.44
Fc.		60	-1063.65	-96.65	297.46	-21.79

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
189-191-193	2.70	3.20	22	-355.35	1.50	-533.02	-477.14	605.73	3772.14	1909.00	1749.01	0.30

- NUCLEO 447 449 445

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
447 449	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
445 447	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-427.95	397.78	-1224.25	0.24
Som.	22	-272.13	185.15	-569.82	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-420.16	179.08	-551.14	-1.96
Cls.Med	60	-420.16	179.08	-551.14	-0.98
Ft.	60	-420.16	179.08	-551.14	37.84
Fc.	60	-420.16	179.08	-551.14	-29.39
Sommita					
Cls.	60	-420.16	179.08	-551.14	-1.96
Cls.Med	60	-420.16	179.08	-551.14	-0.98
Ft.	60	-420.16	179.08	-551.14	37.84
Fc.	60	-420.16	179.08	-551.14	-29.39

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
445-447-449	2.70	5.10	22	-142.09	1.50	-213.14	-272.13	-599.14	3772.14	1909.00	1460.38	0.15

- NUCLEO 448 450 446

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
448 450	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
446 448	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-427.09	433.56	1334.36	0.27
Som.	18	-305.22	189.46	583.11	0.10

S.L.E.	Combinazione		N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base						
Cls.		60	-405.26	148.68	457.59	-1.59
Cls.Med		60	-405.26	148.68	457.59	-0.80
Ft.		60	-405.26	148.68	457.59	25.44
Fc.		60	-405.26	148.68	457.59	-23.90
Sommita						
Cls.		60	-405.26	148.68	457.59	-1.59
Cls.Med		60	-405.26	148.68	457.59	-0.80
Ft.		60	-405.26	148.68	457.59	25.44
Fc.		60	-405.26	148.68	457.59	-23.90

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
446-448-450	2.70	5.10	19	-147.95	1.50	-221.93	-274.19	-546.30	3772.14	1909.00	1483.31	0.15

- NUCLEO 1236 38 1237

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1236 38	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
38 1237	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2427.22	-0.00	1813.10	0.26
Som.	17	-2276.29	-0.00	523.93	0.15

S.L.E.	Combinazione		N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base						
Cls.		60	-1667.44	-0.00	1325.61	-4.00
Cls.Med		60	-1667.44	-0.00	1325.61	-2.00
Ft.		27	-1694.80	-0.00	1326.22	24.67
Fc.		60	-1667.44	-0.00	1325.61	-59.94
Sommita						
Cls.		60	-1667.44	-0.00	1325.61	-4.00
Cls.Med		60	-1667.44	-0.00	1325.61	-2.00
Ft.		27	-1694.80	-0.00	1326.22	24.67
Fc.		60	-1667.44	-0.00	1325.61	-59.94

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1236-38-1237	2.70	4.30	22	-307.48	1.50	-461.22	-1561.86	1048.79	3772.14	1051.90	2413.89	0.44

- NUCLEO 201 202 203

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
201 202	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
202 203	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-1625.03	-0.00	1293.21	0.20
Som.	17	-1814.04	-0.00	1289.43	0.20

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1322.87	-0.00	594.93	-2.23
Cls.Med	60	-1322.87	-0.00	594.93	-1.12
Ft.	60	-1322.87	-0.00	594.93	-0.08
Fc.	60	-1322.87	-0.00	594.93	-33.50
Sommita					
Cls.	60	-1322.87	-0.00	594.93	-2.23
Cls.Med	60	-1322.87	-0.00	594.93	-1.12
Ft.	60	-1322.87	-0.00	594.93	-0.08
Fc.	60	-1322.87	-0.00	594.93	-33.50

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
201-202-203	2.70	3.20	23	210.58	1.50	315.87	-1111.81	-42.54	3772.14	1051.90	2521.04	0.30

- NUCLEO 455 456 457

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
455 456	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
456 457	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-428.84	0.00	-1007.09	0.21
Som.	25	-324.34	0.00	-601.87	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-415.65	0.00	-504.56	-1.78
Cls.Med	60	-415.65	0.00	-504.56	-0.89
Ft.	60	-415.65	0.00	-504.56	32.36
Fc.	60	-415.65	0.00	-504.56	-26.71
Sommita					
Cls.	60	-415.65	0.00	-504.56	-1.78
Cls.Med	60	-415.65	0.00	-504.56	-0.89
Ft.	60	-415.65	0.00	-504.56	32.36
Fc.	60	-415.65	0.00	-504.56	-26.71

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
455-456-457	2.70	5.10	23	90.76	1.50	136.14	-423.06	-919.40	3772.14	1051.90	1213.20	0.13

- NUCLEO 41 42 1244

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
41 42	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1244 41	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2425.66	0.00	-2136.88	0.29
Som.	17	-2274.73	0.00	-287.78	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1700.02	0.00	-1574.17	-4.74
Cls.Med	60	-1700.02	0.00	-1574.17	-2.37
Ft.	26	-1727.56	0.00	-1582.70	43.44
Fc.	60	-1700.02	0.00	-1574.17	-71.05
Sommita					
Cls.	60	-1700.02	0.00	-1574.17	-4.74
Cls.Med	60	-1700.02	0.00	-1574.17	-2.37
Ft.	26	-1727.56	0.00	-1582.70	43.44
Fc.	60	-1700.02	0.00	-1574.17	-71.05

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1244-41-42	2.70	4.30	19	395.67	1.50	593.50	-1465.19	-1497.16	3772.14	1051.90	2167.61	0.56

- NUCLEO 209 210 208

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
209 210	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
208 209	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-1656.23	0.00	-941.36	0.16
Som.	17	-1852.11	0.00	-1396.58	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1352.51	0.00	-458.58	-2.00
Cls.Med	60	-1352.51	0.00	-458.58	-1.14
Ft.	31	-1380.32	0.00	-499.58	-3.49
Fc.	60	-1352.51	0.00	-458.58	-30.05
Sommita					
Cls.	60	-1352.51	0.00	-458.58	-2.00
Cls.Med	60	-1352.51	0.00	-458.58	-1.14
Ft.	31	-1380.32	0.00	-499.58	-3.49
Fc.	60	-1352.51	0.00	-458.58	-30.05

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
208-209-210	2.70	3.20	20	-266.35	1.50	-399.53	-1278.77	-161.64	3772.14	1051.90	2651.28	0.38

- NUCLEO 461 462 460

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
461 462	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
460 461	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-508.96	-0.00	1159.77	0.24
Som.	19	-449.22	-0.00	947.46	0.19

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-494.18	-0.00	577.48	-2.02
Cls.Med	26	-494.18	-0.00	577.48	-1.01
Ft.	26	-494.18	-0.00	577.48	34.68
Fc.	26	-494.18	-0.00	577.48	-30.31
Sommita					
Cls.	26	-494.18	-0.00	577.48	-2.02
Cls.Med	26	-494.18	-0.00	577.48	-1.01
Ft.	26	-494.18	-0.00	577.48	34.68
Fc.	26	-494.18	-0.00	577.48	-30.31

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
460-461-462	2.70	2.00	19	-115.67	1.50	-173.51	-508.96	1159.77	3772.14	1051.90	1274.21	0.16

- NUCLEO 609 2373 2372

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
609 2429	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2428 609	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-378.25	-0.00	846.36	0.17
Som.	19	-293.82	-0.00	560.25	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-367.90	-0.00	460.86	-1.64
Cls.Med	26	-367.90	-0.00	460.86	-0.82
Ft.	26	-367.90	-0.00	460.86	31.12
Fc.	26	-367.90	-0.00	460.86	-24.56
Sommita					
Cls.	26	-367.90	-0.00	460.86	-1.64

Cls.Med	26	-367.90	-0.00	460.86	-0.82
Ft.	26	-367.90	-0.00	460.86	31.12
Fc.	26	-367.90	-0.00	460.86	-24.56

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2428-609-2429	2.70	3.10	19	-92.70	1.50	-139.06	-378.25	846.36	3772.14	1051.90	1178.69	0.13

- NUCLEO 1314 44 1315

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1314 44	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
44 1315	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2327.76	-0.00	1772.60	0.25
Som.	17	-2176.83	-0.00	1038.57	0.18

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1681.87	-0.00	1322.01	-3.99
Cls.Med	60	-1681.87	-0.00	1322.01	-1.99
Ft.	60	-1681.87	-0.00	1322.01	24.90
Fc.	60	-1681.87	-0.00	1322.01	-59.82
Sommita					
Cls.	60	-1681.87	-0.00	1322.01	-3.99
Cls.Med	60	-1681.87	-0.00	1322.01	-1.99
Ft.	60	-1681.87	-0.00	1322.01	24.90
Fc.	60	-1681.87	-0.00	1322.01	-59.82

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1314-44-1315	2.70	4.30	18	-219.07	1.50	-328.61	-1752.55	1870.85	3772.14	1051.90	2321.78	0.31

- NUCLEO 215 216 217

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
215 216	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
216 217	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1430.43	-0.00	1485.52	0.23
Som.	17	-1671.86	-0.00	2065.45	0.33

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1333.25	-0.00	934.42	-3.06
Cls.Med	60	-1333.25	-0.00	934.42	-1.53

Ft.	60	-1333.25	-0.00	934.42	15.66
Fc.	60	-1333.25	-0.00	934.42	-45.87
Sommita					
Cls.	60	-1333.25	-0.00	934.42	-3.06
Cls.Med	60	-1333.25	-0.00	934.42	-1.53
Ft.	60	-1333.25	-0.00	934.42	15.66
Fc.	60	-1333.25	-0.00	934.42	-45.87

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
215-216-217	2.70	3.20	22	172.81	1.50	259.22	-1245.07	364.12	3772.14	1051.90	2589.01	0.25

- NUCLEO 467 468 469

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
467 468	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
468 469	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-504.79	0.00	-827.10	0.15
Som.	22	-334.83	0.00	-631.95	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	27	-440.37	0.00	-484.18	-1.67
Cls.Med	27	-440.37	0.00	-484.18	-0.84
Ft.	27	-440.37	0.00	-484.18	25.96
Fc.	27	-440.37	0.00	-484.18	-25.07
Sommita					
Cls.	27	-440.37	0.00	-484.18	-1.67
Cls.Med	27	-440.37	0.00	-484.18	-0.84
Ft.	27	-440.37	0.00	-484.18	25.96
Fc.	27	-440.37	0.00	-484.18	-25.07

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
467-468-469	2.70	5.10	22	55.20	1.50	82.81	-504.79	-827.10	3772.14	1051.90	1309.80	0.08

- NUCLEO 47 48 1320

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
47 48	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1320 47	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2695.30	0.00	-1905.59	0.27
Som.	17	-2544.37	0.00	-842.22	0.18

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	60	-1882.22	0.00	-1411.57	-4.28
Cls.Med	60	-1882.22	0.00	-1411.57	-2.14
Ft.	26	-1902.29	0.00	-1402.91	22.06
Fc.	60	-1882.22	0.00	-1411.57	-64.14
Sommita					
Cls.	60	-1882.22	0.00	-1411.57	-4.28
Cls.Med	60	-1882.22	0.00	-1411.57	-2.14
Ft.	26	-1902.29	0.00	-1402.91	22.06
Fc.	60	-1882.22	0.00	-1411.57	-64.14

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1320-47-48	2.70	4.30	22	253.75	1.50	380.63	-2193.51	-1760.70	3772.14	1051.90	2709.65	0.36

- NUCLEO 223 224 222

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
223 224	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
222 223	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2278.01	0.00	-1232.86	0.21
Som.	17	-2165.69	0.00	-1521.69	0.24

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1580.27	0.00	-813.83	-2.87
Cls.Med	60	-1580.27	0.00	-813.83	-1.44
Ft.	60	-1580.27	0.00	-813.83	3.18
Fc.	60	-1580.27	0.00	-813.83	-43.11
Sommita					
Cls.	60	-1580.27	0.00	-813.83	-2.87
Cls.Med	60	-1580.27	0.00	-813.83	-1.44
Ft.	60	-1580.27	0.00	-813.83	3.18
Fc.	60	-1580.27	0.00	-813.83	-43.11

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
222-223-224	2.70	3.20	18	-119.08	1.50	-178.63	-1456.58	-297.43	3772.14	1051.90	2792.25	0.17

- NUCLEO 473 474 472

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
473 474	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
472 473	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	19	-639.98	-0.00	1079.64	0.19
Som.	19	-562.33	-0.00	978.54	0.18

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-581.98	-0.00	690.96	-2.43
Cls.Med	26	-581.98	-0.00	690.96	-1.21
Ft.	26	-581.98	-0.00	690.96	42.67
Fc.	26	-581.98	-0.00	690.96	-36.40
Sommita					
Cls.	26	-581.98	-0.00	690.96	-2.43
Cls.Med	26	-581.98	-0.00	690.96	-1.21
Ft.	26	-581.98	-0.00	690.96	42.67
Fc.	26	-581.98	-0.00	690.96	-36.40

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
472-473-474	2.70	2.00	23	57.52	1.50	86.27	-613.77	447.94	3772.14	1051.90	1734.19	0.08

- NUCLEO 611 2375 2374

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
611 2431	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2430 611	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-414.92	-0.00	755.71	0.14
Som.	18	-326.03	-0.00	606.71	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-383.43	-0.00	478.24	-1.70
Cls.Med	26	-383.43	-0.00	478.24	-0.85
Ft.	26	-383.43	-0.00	478.24	32.07
Fc.	26	-383.43	-0.00	478.24	-25.47
Sommita					
Cls.	26	-383.43	-0.00	478.24	-1.70
Cls.Med	26	-383.43	-0.00	478.24	-0.85
Ft.	26	-383.43	-0.00	478.24	32.07
Fc.	26	-383.43	-0.00	478.24	-25.47

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2430-611-2431	2.70	3.10	23	44.55	1.50	66.83	-397.77	359.62	3772.14	1051.90	1497.75	0.06

- NUCLEO 1393 50 1394

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

1393 50	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
50 1394	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1757.69	-0.00	1858.80	0.24
Som.	17	-2211.62	-0.00	1407.88	0.21

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	42	-1768.16	-0.00	1236.43	-3.78
Cls.Med	42	-1768.16	-0.00	1236.43	-1.89
Ft.	30	-1641.11	-0.00	1214.88	19.32
Fc.	42	-1768.16	-0.00	1236.43	-56.73
Sommita					
Cls.	42	-1768.16	-0.00	1236.43	-3.78
Cls.Med	42	-1768.16	-0.00	1236.43	-1.89
Ft.	30	-1641.11	-0.00	1214.88	19.32
Fc.	42	-1768.16	-0.00	1236.43	-56.73

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1393-50-1394	2.70	4.30	18	-171.98	1.50	-257.97	-1741.98	1835.00	3772.14	1051.90	2320.81	0.25

- NUCLEO 229 230 231

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
229 230	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
230 231	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1807.76	-0.00	1873.66	0.29
Som.	17	-1695.44	-0.00	2041.42	0.32

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1314.46	-0.00	1170.92	-3.87
Cls.Med	60	-1314.46	-0.00	1170.92	-1.94
Ft.	60	-1314.46	-0.00	1170.92	39.13
Fc.	60	-1314.46	-0.00	1170.92	-58.11
Sommita					
Cls.	60	-1314.46	-0.00	1170.92	-3.87
Cls.Med	60	-1314.46	-0.00	1170.92	-1.94
Ft.	60	-1314.46	-0.00	1170.92	39.13
Fc.	60	-1314.46	-0.00	1170.92	-58.11

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
229-230-231	2.70	3.20	22	118.59	1.50	177.89	-1242.93	658.57	3772.14	1051.90	2276.97	0.17

- NUCLEO 479 480 481

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
479 480	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
480 481	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-412.83	0.00	-609.08	0.10
Som.	22	-276.66	0.00	-485.28	0.09

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	27	-393.39	0.00	-391.99	-1.32
Cls.Med	27	-393.39	0.00	-391.99	-0.66
Ft.	27	-393.39	0.00	-391.99	17.11
Fc.	27	-393.39	0.00	-391.99	-19.86
Sommita					
Cls.	27	-393.39	0.00	-391.99	-1.32
Cls.Med	27	-393.39	0.00	-391.99	-0.66
Ft.	27	-393.39	0.00	-391.99	17.11
Fc.	27	-393.39	0.00	-391.99	-19.86

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
479-480-481	2.70	5.10	19	-42.54	1.50	-63.81	-409.48	-253.17	3772.14	1051.90	1702.12	0.06

- NUCLEO 53 54 1399

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
53 54	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1399 53	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2500.42	0.00	-1683.39	0.25
Som.	17	-2349.49	0.00	-1066.98	0.19

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1741.74	0.00	-1243.12	-3.79
Cls.Med	60	-1741.74	0.00	-1243.12	-1.90
Ft.	31	-1735.01	0.00	-1204.81	15.71
Fc.	60	-1741.74	0.00	-1243.12	-56.85
Sommita					
Cls.	60	-1741.74	0.00	-1243.12	-3.79
Cls.Med	60	-1741.74	0.00	-1243.12	-1.90
Ft.	31	-1735.01	0.00	-1204.81	15.71
Fc.	60	-1741.74	0.00	-1243.12	-56.85

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1399-53-54	2.70	4.30	22	223.56	1.50	335.35	-1987.91	-1739.88	3772.14	1051.90	2548.87	0.32

- NUCLEO 237 238 236

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
237 238	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
236 237	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-1359.42	0.00	-1707.65	0.27
Som.	17	-1750.68	0.00	-2100.29	0.33

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1323.09	0.00	-1112.33	-3.65
Cls.Med	60	-1323.09	0.00	-1112.33	-1.83
Ft.	60	-1323.09	0.00	-1112.33	31.94
Fc.	60	-1323.09	0.00	-1112.33	-54.78
Sommita					
Cls.	60	-1323.09	0.00	-1112.33	-3.65
Cls.Med	60	-1323.09	0.00	-1112.33	-1.83
Ft.	60	-1323.09	0.00	-1112.33	31.94
Fc.	60	-1323.09	0.00	-1112.33	-54.78

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
236-237-238	2.70	3.20	20	-149.24	1.50	-223.85	-1275.36	-669.44	3772.14	1051.90	2301.77	0.21

- NUCLEO 485 486 484

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
485 486	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
484 485	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-556.02	-0.00	930.38	0.17
Som.	19	-530.33	-0.00	828.38	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-546.65	-0.00	622.31	-2.17
Cls.Med	26	-546.65	-0.00	622.31	-1.08
Ft.	26	-546.65	-0.00	622.31	35.64
Fc.	26	-546.65	-0.00	622.31	-32.48
Sommita					
Cls.	26	-546.65	-0.00	622.31	-2.17

Cls.Med	26	-546.65	-0.00	622.31	-1.08
Ft.	26	-546.65	-0.00	622.31	35.64
Fc.	26	-546.65	-0.00	622.31	-32.48

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
484-485-486	2.70	2.00	18	-53.55	1.50	-80.33	-556.02	930.38	3772.14	1051.90	1337.36	0.08

- NUCLEO 613 2377 2376

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
613 2433	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2432 613	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-362.89	-0.00	610.19	0.11
Som.	19	-295.85	-0.00	509.61	0.09

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-348.09	-0.00	408.71	-1.43
Cls.Med	26	-348.09	-0.00	408.71	-0.72
Ft.	26	-348.09	-0.00	408.71	24.76
Fc.	26	-348.09	-0.00	408.71	-21.48
Sommita					
Cls.	26	-348.09	-0.00	408.71	-1.43
Cls.Med	26	-348.09	-0.00	408.71	-0.72
Ft.	26	-348.09	-0.00	408.71	24.76
Fc.	26	-348.09	-0.00	408.71	-21.48

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2432-613-2433	2.70	3.10	18	-38.87	1.50	-58.30	-362.89	610.19	3772.14	1051.90	1214.86	0.06

- NUCLEO 1472 56 1473

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1472 56	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
56 1473	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1828.10	-0.00	1844.54	0.24
Som.	17	-2243.34	-0.00	1531.22	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	42	-1797.88	-0.00	1208.26	-3.72
Cls.Med	42	-1797.88	-0.00	1208.26	-1.86

Ft.	30	-1685.81	-0.00	1189.96	16.36
Fc.	42	-1797.88	-0.00	1208.26	-55.85
Sommita					
Cls.	42	-1797.88	-0.00	1208.26	-3.72
Cls.Med	42	-1797.88	-0.00	1208.26	-1.86
Ft.	30	-1685.81	-0.00	1189.96	16.36
Fc.	42	-1797.88	-0.00	1208.26	-55.85

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1472-56-1473	2.70	4.30	19	-150.37	1.50	-225.55	-1828.10	1844.54	3772.14	1051.90	2391.64	0.21

- NUCLEO 243 244 245

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
243 244	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
244 245	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1838.89	-0.00	2004.79	0.31
Som.	17	-1726.57	-0.00	1978.01	0.31

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1382.55	-0.00	1255.41	-4.17
Cls.Med	60	-1382.55	-0.00	1255.41	-2.08
Ft.	60	-1382.55	-0.00	1255.41	44.02
Fc.	60	-1382.55	-0.00	1255.41	-62.49
Sommita					
Cls.	60	-1382.55	-0.00	1255.41	-4.17
Cls.Med	60	-1382.55	-0.00	1255.41	-2.08
Ft.	60	-1382.55	-0.00	1255.41	44.02
Fc.	60	-1382.55	-0.00	1255.41	-62.49

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
243-244-245	2.70	3.20	19	-151.78	1.50	-227.67	-1493.28	1740.45	3772.14	1051.90	1993.97	0.22

- NUCLEO 491 492 493

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
491 492	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
492 493	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-494.36	0.00	-821.30	0.15
Som.	23	-334.62	0.00	-631.69	0.12

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	28	-409.27	0.00	-422.46	-1.44
Cls.Med	28	-409.27	0.00	-422.46	-0.72
Ft.	28	-409.27	0.00	-422.46	19.92
Fc.	28	-409.27	0.00	-422.46	-21.57
Sommita					
Cls.	28	-409.27	0.00	-422.46	-1.44
Cls.Med	28	-409.27	0.00	-422.46	-0.72
Ft.	28	-409.27	0.00	-422.46	19.92
Fc.	28	-409.27	0.00	-422.46	-21.57

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
491-492-493	2.70	5.10	18	-53.85	1.50	-80.77	-454.56	-291.53	3772.14	1051.90	1709.26	0.08

- NUCLEO 59 60 1478

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
59 60	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1478 59	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2510.96	0.00	-1554.46	0.23
Som.	17	-2360.03	0.00	-1216.90	0.20

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1748.86	0.00	-1152.39	-3.57
Cls.Med	60	-1748.86	0.00	-1152.39	-1.78
Ft.	29	-1751.63	0.00	-1114.16	10.63
Fc.	60	-1748.86	0.00	-1152.39	-53.50
Sommita					
Cls.	60	-1748.86	0.00	-1152.39	-3.57
Cls.Med	60	-1748.86	0.00	-1152.39	-1.78
Ft.	29	-1751.63	0.00	-1114.16	10.63
Fc.	60	-1748.86	0.00	-1152.39	-53.50

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1478-59-60	2.70	4.30	22	171.84	1.50	257.75	-2010.08	-1652.49	3772.14	1051.90	2590.01	0.25

- NUCLEO 251 252 250

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
251 252	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
250 251	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	23	-1392.45	0.00	-1844.00	0.30
Som.	17	-1756.41	0.00	-2090.10	0.33

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1337.44	0.00	-1200.93	-3.98
Cls.Med	60	-1337.44	0.00	-1200.93	-1.99
Ft.	60	-1337.44	0.00	-1200.93	40.95
Fc.	60	-1337.44	0.00	-1200.93	-59.67
Sommita					
Cls.	60	-1337.44	0.00	-1200.93	-3.98
Cls.Med	60	-1337.44	0.00	-1200.93	-1.99
Ft.	60	-1337.44	0.00	-1200.93	40.95
Fc.	60	-1337.44	0.00	-1200.93	-59.67

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
250-251-252	2.70	3.20	18	-101.71	1.50	-152.57	-1285.15	-547.66	3772.14	1051.90	2427.85	0.15

- NUCLEO 497 498 496

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
497 498	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
496 497	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-572.53	-0.00	1009.25	0.18
Som.	18	-527.53	-0.00	893.11	0.16

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-535.18	-0.00	598.34	-2.07
Cls.Med	26	-535.18	-0.00	598.34	-1.04
Ft.	26	-535.18	-0.00	598.34	33.13
Fc.	26	-535.18	-0.00	598.34	-31.10
Sommita					
Cls.	26	-535.18	-0.00	598.34	-2.07
Cls.Med	26	-535.18	-0.00	598.34	-1.04
Ft.	26	-535.18	-0.00	598.34	33.13
Fc.	26	-535.18	-0.00	598.34	-31.10

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
496-497-498	2.70	2.00	18	-58.25	1.50	-87.37	-572.53	1009.25	3772.14	1051.90	1339.30	0.08

- NUCLEO 615 2379 2378

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

615 2435	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2434 615	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-387.31	-0.00	683.10	0.12
Som.	18	-303.05	-0.00	538.92	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	-336.63	-0.00	385.17	-1.34
Cls.Med	26	-336.63	-0.00	385.17	-0.67
Ft.	26	-336.63	-0.00	385.17	22.27
Fc.	26	-336.63	-0.00	385.17	-20.12
Sommita					
Cls.	26	-336.63	-0.00	385.17	-1.34
Cls.Med	26	-336.63	-0.00	385.17	-0.67
Ft.	26	-336.63	-0.00	385.17	22.27
Fc.	26	-336.63	-0.00	385.17	-20.12

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2434-615-2435	2.70	3.10	18	-45.17	1.50	-67.75	-387.31	683.10	3772.14	1051.90	1220.13	0.06

- NUCLEO 1551 62 1552

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1551 62	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
62 1552	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-1775.38	-0.00	1841.35	0.24
Som.	17	-2212.94	-0.00	1433.97	0.21

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	42	-1770.03	-0.00	1235.95	-3.78
Cls.Med	42	-1770.03	-0.00	1235.95	-1.89
Ft.	30	-1640.57	-0.00	1214.04	19.28
Fc.	42	-1770.03	-0.00	1235.95	-56.72
Sommita					
Cls.	42	-1770.03	-0.00	1235.95	-3.78
Cls.Med	42	-1770.03	-0.00	1235.95	-1.89
Ft.	30	-1640.57	-0.00	1214.04	19.28
Fc.	42	-1770.03	-0.00	1235.95	-56.72

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1551-62-1552	2.70	4.30	19	-172.22	1.50	-258.33	-1736.88	1839.60	3772.14	1051.90	2315.50	0.25

- NUCLEO 257 258 259

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
257 258	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
258 259	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1807.93	-0.00	1904.27	0.29
Som.	17	-1695.61	-0.00	2039.98	0.32

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1322.15	-0.00	1189.09	-3.94
Cls.Med	60	-1322.15	-0.00	1189.09	-1.97
Ft.	60	-1322.15	-0.00	1189.09	40.71
Fc.	60	-1322.15	-0.00	1189.09	-59.10
Sommita					
Cls.	60	-1322.15	-0.00	1189.09	-3.94
Cls.Med	60	-1322.15	-0.00	1189.09	-1.97
Ft.	60	-1322.15	-0.00	1189.09	40.71
Fc.	60	-1322.15	-0.00	1189.09	-59.10

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
257-258-259	2.70	3.20	18	-109.13	1.50	-163.69	-1406.68	1676.15	3772.14	1051.90	1935.85	0.16

- NUCLEO 503 504 505

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
503 504	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
504 505	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-455.01	0.00	-623.38	0.10
Som.	23	-287.89	0.00	-507.25	0.09

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	28	-394.78	0.00	-394.81	-1.33
Cls.Med	28	-394.78	0.00	-394.81	-0.67
Ft.	28	-394.78	0.00	-394.81	17.38
Fc.	28	-394.78	0.00	-394.81	-20.02
Sommita					
Cls.	28	-394.78	0.00	-394.81	-1.33
Cls.Med	28	-394.78	0.00	-394.81	-0.67
Ft.	28	-394.78	0.00	-394.81	17.38
Fc.	28	-394.78	0.00	-394.81	-20.02

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
503-504-505	2.70	5.10	18	-41.60	1.50	-62.40	-382.71	-269.95	3772.14	1051.90	1619.47	0.06

- NUCLEO 65 66 1557

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
65 66	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1557 65	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2483.89	0.00	-1576.41	0.24
Som.	17	-2332.96	0.00	-1144.45	0.19

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1728.50	0.00	-1174.04	-3.61
Cls.Med	60	-1728.50	0.00	-1174.04	-1.81
Ft.	29	-1743.46	0.00	-1142.74	12.21
Fc.	60	-1728.50	0.00	-1174.04	-54.16
Sommita					
Cls.	60	-1728.50	0.00	-1174.04	-3.61
Cls.Med	60	-1728.50	0.00	-1174.04	-1.81
Ft.	29	-1743.46	0.00	-1142.74	12.21
Fc.	60	-1728.50	0.00	-1174.04	-54.16

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1557-65-66	2.70	4.30	22	181.74	1.50	272.61	-2005.68	-1664.28	3772.14	1051.90	2583.01	0.26

- NUCLEO 265 266 264

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
265 266	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
264 265	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-1362.34	0.00	-1812.23	0.29
Som.	17	-1753.39	0.00	-2095.35	0.33

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1330.22	0.00	-1123.52	-3.69
Cls.Med	60	-1330.22	0.00	-1123.52	-1.85
Ft.	60	-1330.22	0.00	-1123.52	32.67
Fc.	60	-1330.22	0.00	-1123.52	-55.36
Sommita					
Cls.	60	-1330.22	0.00	-1123.52	-3.69

Cls.Med	60	-1330.22	0.00	-1123.52	-1.85
Ft.	60	-1330.22	0.00	-1123.52	32.67
Fc.	60	-1330.22	0.00	-1123.52	-55.36

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
264-265-266	2.70	3.20	19	-152.51	1.50	-228.77	-1279.85	-434.09	3772.14	1051.90	2543.53	0.22

- NUCLEO 509 510 508

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
509 510	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
508 509	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-586.61	-0.00	989.04	0.18
Som.	18	-531.71	-0.00	881.20	0.16

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-551.62	-0.00	632.00	-2.20
Cls.Med	29	-551.62	-0.00	632.00	-1.10
Ft.	29	-551.62	-0.00	632.00	36.63
Fc.	29	-551.62	-0.00	632.00	-33.03
Sommita					
Cls.	29	-551.62	-0.00	632.00	-2.20
Cls.Med	29	-551.62	-0.00	632.00	-1.10
Ft.	29	-551.62	-0.00	632.00	36.63
Fc.	29	-551.62	-0.00	632.00	-33.03

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
508-509-510	2.70	2.00	23	54.22	1.50	81.34	-562.15	379.55	3772.14	1051.90	1744.75	0.08

- NUCLEO 617 2381 2380

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
617 2437	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2436 617	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-391.25	-0.00	670.14	0.12
Som.	20	-333.34	-0.00	571.39	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-353.07	-0.00	418.64	-1.47
Cls.Med	29	-353.07	-0.00	418.64	-0.73

Ft.	29	-353.07	-0.00	418.64	25.80
Fc.	29	-353.07	-0.00	418.64	-22.05
Sommita					
Cls.	29	-353.07	-0.00	418.64	-1.47
Cls.Med	29	-353.07	-0.00	418.64	-0.73
Ft.	29	-353.07	-0.00	418.64	25.80
Fc.	29	-353.07	-0.00	418.64	-22.05

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2436-617-2437	2.70	3.10	23	42.06	1.50	63.09	-376.94	297.46	3772.14	1051.90	1558.11	0.06

- NUCLEO 1630 68 1631

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1630 68	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
68 1631	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1759.94	-0.00	1908.50	0.25
Som.	17	-2180.46	-0.00	1089.23	0.18

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1682.70	-0.00	1320.33	-3.98
Cls.Med	60	-1682.70	-0.00	1320.33	-1.99
Ft.	60	-1682.70	-0.00	1320.33	24.75
Fc.	60	-1682.70	-0.00	1320.33	-59.75
Sommita					
Cls.	60	-1682.70	-0.00	1320.33	-3.98
Cls.Med	60	-1682.70	-0.00	1320.33	-1.99
Ft.	60	-1682.70	-0.00	1320.33	24.75
Fc.	60	-1682.70	-0.00	1320.33	-59.75

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1630-68-1631	2.70	4.30	19	-220.31	1.50	-330.47	-1759.94	1908.50	3772.14	1051.90	2319.40	0.31

- NUCLEO 271 272 273

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
271 272	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
272 273	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1785.24	-0.00	1529.32	0.23
Som.	17	-1672.92	-0.00	2061.36	0.33

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	60	-1332.45	-0.00	969.18	-3.16
Cls.Med	60	-1332.45	-0.00	969.18	-1.58
Ft.	60	-1332.45	-0.00	969.18	18.29
Fc.	60	-1332.45	-0.00	969.18	-47.47
Sommita					
Cls.	60	-1332.45	-0.00	969.18	-3.16
Cls.Med	60	-1332.45	-0.00	969.18	-1.58
Ft.	60	-1332.45	-0.00	969.18	18.29
Fc.	60	-1332.45	-0.00	969.18	-47.47

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
271-272-273	2.70	3.20	23	153.41	1.50	230.12	-1247.93	444.28	3772.14	1051.90	2499.57	0.22

- NUCLEO 515 516 517

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
515 516	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
516 517	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-497.11	0.00	-784.32	0.14
Som.	23	-329.52	0.00	-625.57	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	28	-438.92	0.00	-481.32	-1.66
Cls.Med	28	-438.92	0.00	-481.32	-0.83
Ft.	28	-438.92	0.00	-481.32	25.67
Fc.	28	-438.92	0.00	-481.32	-24.91
Sommita					
Cls.	28	-438.92	0.00	-481.32	-1.66
Cls.Med	28	-438.92	0.00	-481.32	-0.83
Ft.	28	-438.92	0.00	-481.32	25.67
Fc.	28	-438.92	0.00	-481.32	-24.91

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
515-516-517	2.70	5.10	23	52.27	1.50	78.41	-497.11	-784.32	3772.14	1051.90	1314.60	0.07

- NUCLEO 71 72 1636

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
71 72	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1636 71	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	17	-2455.18	0.00	-1710.46	0.25
Som.	17	-2304.25	0.00	-859.24	0.17

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1749.15	0.00	-1258.09	-3.83
Cls.Med	60	-1749.15	0.00	-1258.09	-1.92
Ft.	31	-1682.09	0.00	-1211.80	17.75
Fc.	60	-1749.15	0.00	-1258.09	-57.47
Sommita					
Cls.	60	-1749.15	0.00	-1258.09	-3.83
Cls.Med	60	-1749.15	0.00	-1258.09	-1.92
Ft.	31	-1682.09	0.00	-1211.80	17.75
Fc.	60	-1749.15	0.00	-1258.09	-57.47

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1636-71-72	2.70	4.30	21	283.77	1.50	425.65	-2089.27	-1706.87	3772.14	1051.90	2640.34	0.40

- NUCLEO 279 280 278

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
279 280	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
278 279	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-1393.84	0.00	-1498.98	0.23
Som.	8	-1550.60	0.00	-2026.55	0.33

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1380.32	0.00	-862.74	-2.87
Cls.Med	60	-1380.32	0.00	-862.74	-1.44
Ft.	60	-1380.32	0.00	-862.74	9.62
Fc.	60	-1380.32	0.00	-862.74	-43.06
Sommita					
Cls.	60	-1380.32	0.00	-862.74	-2.87
Cls.Med	60	-1380.32	0.00	-862.74	-1.44
Ft.	60	-1380.32	0.00	-862.74	9.62
Fc.	60	-1380.32	0.00	-862.74	-43.06

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
278-279-280	2.70	3.20	19	-208.15	1.50	-312.22	-1358.80	-194.98	3772.14	1051.90	2707.71	0.30

- NUCLEO 521 523 520

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

521 523	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
520 521	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-630.17	-0.00	1131.14	0.21
Som.	18	-575.64	-0.00	996.98	0.18

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-586.60	-0.00	699.89	-2.46
Cls.Med	29	-586.60	-0.00	699.89	-1.23
Ft.	29	-586.60	-0.00	699.89	43.59
Fc.	29	-586.60	-0.00	699.89	-36.91
Sommita					
Cls.	29	-586.60	-0.00	699.89	-2.46
Cls.Med	29	-586.60	-0.00	699.89	-1.23
Ft.	29	-586.60	-0.00	699.89	43.59
Fc.	29	-586.60	-0.00	699.89	-36.91

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
520-521-523	2.70	2.00	22	78.99	1.50	118.49	-608.17	473.90	3772.14	1051.90	1696.55	0.11

- NUCLEO 619 2383 2382

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
619 2439	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2438 619	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-435.95	-0.00	792.57	0.15
Som.	18	-351.31	-0.00	644.40	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-388.05	-0.00	486.58	-1.73
Cls.Med	29	-388.05	-0.00	486.58	-0.86
Ft.	29	-388.05	-0.00	486.58	32.91
Fc.	29	-388.05	-0.00	486.58	-25.94
Sommita					
Cls.	29	-388.05	-0.00	486.58	-1.73
Cls.Med	29	-388.05	-0.00	486.58	-0.86
Ft.	29	-388.05	-0.00	486.58	32.91
Fc.	29	-388.05	-0.00	486.58	-25.94

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2438-619-2439	2.70	3.10	23	48.62	1.50	72.93	-423.08	354.81	3772.14	1051.90	1552.12	0.07

- NUCLEO 1709 74 1710

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1709 74	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'
74 1710	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2377.15	-0.00	1806.85	0.25
Som.	17	-2226.22	-0.00	590.72	0.15

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1628.95	-0.00	1321.37	-3.98
Cls.Med	60	-1628.95	-0.00	1321.37	-1.99
Ft.	28	-1656.26	-0.00	1320.18	25.81
Fc.	60	-1628.95	-0.00	1321.37	-59.68
Sommita					
Cls.	60	-1628.95	-0.00	1321.37	-3.98
Cls.Med	60	-1628.95	-0.00	1321.37	-1.99
Ft.	28	-1656.26	-0.00	1320.18	25.81
Fc.	60	-1628.95	-0.00	1321.37	-59.68

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1709-74-1710	2.70	4.30	23	-274.64	1.50	-411.95	-1430.20	1097.26	3772.14	1051.90	2272.54	0.39

- NUCLEO 285 286 287

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
285 286	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
286 287	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1617.24	-0.00	1270.32	0.20
Som.	17	-1778.98	-0.00	1321.20	0.21

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1296.49	-0.00	621.63	-2.26
Cls.Med	60	-1296.49	-0.00	621.63	-1.13
Ft.	60	-1296.49	-0.00	621.63	1.06
Fc.	60	-1296.49	-0.00	621.63	-33.95
Sommita					
Cls.	60	-1296.49	-0.00	621.63	-2.26
Cls.Med	60	-1296.49	-0.00	621.63	-1.13
Ft.	60	-1296.49	-0.00	621.63	1.06
Fc.	60	-1296.49	-0.00	621.63	-33.95

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
285-286-287	2.70	3.20	21	220.19	1.50	330.28	-870.33	149.78	3772.14	1051.90	2403.23	0.31

- NUCLEO 527 528 529

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
527 528	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
528 529	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-428.65	0.00	-999.97	0.20
Som.	21	-328.12	0.00	-625.94	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-415.32	0.00	-511.08	-1.81
Cls.Med	60	-415.32	0.00	-511.08	-0.90
Ft.	60	-415.32	0.00	-511.08	33.53
Fc.	60	-415.32	0.00	-511.08	-27.14
Sommita					
Cls.	60	-415.32	0.00	-511.08	-1.81
Cls.Med	60	-415.32	0.00	-511.08	-0.90
Ft.	60	-415.32	0.00	-511.08	33.53
Fc.	60	-415.32	0.00	-511.08	-27.14

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
527-528-529	2.70	5.10	21	102.26	1.50	153.39	-429.22	-930.10	3772.14	1051.90	1217.83	0.15

- NUCLEO 77 78 1715

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
77 78	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
1715 77	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2701.90	0.00	-2056.98	0.29
Som.	17	-2550.97	0.00	-174.22	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1881.48	0.00	-1503.82	-4.53
Cls.Med	60	-1881.48	0.00	-1503.82	-2.27
Ft.	29	-1918.30	0.00	-1515.80	28.95
Fc.	60	-1881.48	0.00	-1503.82	-67.97
Sommita					
Cls.	60	-1881.48	0.00	-1503.82	-4.53

Cls.Med	60	-1881.48	0.00	-1503.82	-2.27
Ft.	29	-1918.30	0.00	-1515.80	28.95
Fc.	60	-1881.48	0.00	-1503.82	-67.97

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1715-77-78	2.70	4.30	19	432.60	1.50	648.89	-1833.26	-1378.48	3772.14	1051.90	2522.31	0.62

- NUCLEO 293 294 292

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
293 294	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
292 293	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-1603.24	0.00	-1048.03	0.17
Som.	17	-1991.18	0.00	-1238.88	0.20

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1451.71	0.00	-459.82	-2.09
Cls.Med	60	-1451.71	0.00	-459.82	-1.23
Ft.	31	-1470.66	0.00	-528.30	-3.83
Fc.	60	-1451.71	0.00	-459.82	-31.35
Sommita					
Cls.	60	-1451.71	0.00	-459.82	-2.09
Cls.Med	60	-1451.71	0.00	-459.82	-1.23
Ft.	31	-1470.66	0.00	-528.30	-3.83
Fc.	60	-1451.71	0.00	-459.82	-31.35

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
292-293-294	2.70	3.20	19	-193.40	1.50	-290.09	-1362.15	119.11	3772.14	1051.90	2690.58	0.28

- NUCLEO 533 535 532

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
533 535	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'
532 533	2	1350	2000	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-481.06	-0.00	1081.08	0.22
Som.	18	-432.40	-0.00	909.49	0.18

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-475.30	-0.00	540.01	-1.88
Cls.Med	60	-475.30	-0.00	540.01	-0.94

Ft.	60	-475.30	-0.00	540.01	30.82
Fc.	60	-475.30	-0.00	540.01	-28.17
Sommita					
Cls.	60	-475.30	-0.00	540.01	-1.88
Cls.Med	60	-475.30	-0.00	540.01	-0.94
Ft.	60	-475.30	-0.00	540.01	30.82
Fc.	60	-475.30	-0.00	540.01	-28.17

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
532-533-535	2.70	2.00	18	-129.82	1.50	-194.73	-481.06	1081.08	3772.14	1051.90	1253.75	0.19

- NUCLEO 621 2385 2384

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
621 2441	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'
2440 621	2	1350	3100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-362.21	-0.00	796.19	0.16
Som.	18	-278.20	-0.00	524.42	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-354.87	-0.00	431.08	-1.52
Cls.Med	29	-354.87	-0.00	431.08	-0.76
Ft.	29	-354.87	-0.00	431.08	27.68
Fc.	29	-354.87	-0.00	431.08	-22.82
Sommita					
Cls.	29	-354.87	-0.00	431.08	-1.52
Cls.Med	29	-354.87	-0.00	431.08	-0.76
Ft.	29	-354.87	-0.00	431.08	27.68
Fc.	29	-354.87	-0.00	431.08	-22.82

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2440-621-2441	2.70	3.10	18	-87.94	1.50	-131.92	-362.21	796.19	3772.14	1051.90	1168.44	0.13

- NUCLEO 1814 81 1800

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1814 81	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'
81 1800	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2142.64	629.46	1937.27	0.26
Som.	21	-1547.61	-233.37	-718.23	0.12

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	60	-1516.78	452.66	1393.15	-4.25
Cls.Med	60	-1516.78	452.66	1393.15	-2.13
Ft.	60	-1516.78	452.66	1393.15	41.81
Fc.	60	-1516.78	452.66	1393.15	-63.78
Sommita					
Cls.	60	-1516.78	452.66	1393.15	-4.25
Cls.Med	60	-1516.78	452.66	1393.15	-2.13
Ft.	60	-1516.78	452.66	1393.15	41.81
Fc.	60	-1516.78	452.66	1393.15	-63.78

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1814-81-1800	2.70	4.30	21	-562.85	1.50	-844.27	-1699.46	1656.07	3772.14	1909.00	2760.87	0.44

- NUCLEO 305 303 301

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
305 303	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
303 301	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1454.65	337.09	1037.45	0.16
Som.	25	-861.51	416.90	1283.10	0.21

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1089.32	96.57	297.21	-1.47
Cls.Med	60	-1089.32	96.57	297.21	-0.90
Ft.	30	-1088.64	111.20	342.24	-3.62
Fc.	60	-1089.32	96.57	297.21	-22.11
Sommita					
Cls.	60	-1089.32	96.57	297.21	-1.47
Cls.Med	60	-1089.32	96.57	297.21	-0.90
Ft.	30	-1088.64	111.20	342.24	-3.62
Fc.	60	-1089.32	96.57	297.21	-22.11

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
305-303-301	2.70	3.20	25	-272.94	1.50	-409.41	-861.51	1349.13	3772.14	1909.00	1896.14	0.22

- NUCLEO 543 541 539

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
543 541	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
541 539	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	21	-459.95	-444.07	-1366.69	0.27
Som.	21	-305.68	-205.60	-632.78	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-423.33	-185.46	-570.78	-2.04
Cls.Med	60	-423.33	-185.46	-570.78	-1.02
Ft.	60	-423.33	-185.46	-570.78	40.53
Fc.	60	-423.33	-185.46	-570.78	-30.55
Sommita					
Cls.	60	-423.33	-185.46	-570.78	-2.04
Cls.Med	60	-423.33	-185.46	-570.78	-1.02
Ft.	60	-423.33	-185.46	-570.78	40.53
Fc.	60	-423.33	-185.46	-570.78	-30.55

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
543-541-539	2.70	5.10	21	-165.88	1.50	-248.82	-305.68	-665.34	3772.14	1909.00	1488.06	0.17

- NUCLEO 1815 84 82 1801

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1815 84	2	973	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
82 1815	2	1350	4300	400	2x ø 16 150'	2x ø 14 150'
1801 82	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2369.70	982.06	-3022.48	0.22
Som.	22	-2011.37	569.47	-1752.64	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1676.55	715.35	-2201.63	-3.70
Cls.Med	60	-1676.55	715.35	-2201.63	-1.85
Ft.	60	-1676.55	715.35	-2201.63	40.53
Fc.	60	-1676.55	715.35	-2201.63	-55.49
Sommita					
Cls.	60	-1676.55	715.35	-2201.63	-3.70
Cls.Med	60	-1676.55	715.35	-2201.63	-1.85
Ft.	60	-1676.55	715.35	-2201.63	40.53
Fc.	60	-1676.55	715.35	-2201.63	-55.49

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1801-82-1815-84	3.67	4.30	20	647.06	1.50	970.59	-1674.54	-2679.03	5161.36	2612.05	3208.24	0.37

- NUCLEO 306 188 304 302

- Armature Nucleo

Nodi	Sezione	B	H	Spessore	Armatura	Armatura

	Numero	[mm]	[mm]	[mm]	Verticale	Orizzontale
306 188	2	973	3200	400	2x ø 16 150'	2x ø 14 150'
304 306	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
302 304	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-1594.87	755.47	-2325.10	0.19
Som.	24	-883.35	689.78	-2122.91	0.20

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1227.19	341.28	-1050.36	-1.92
Cls.Med	60	-1227.19	341.28	-1050.36	-0.96
Ft.	60	-1227.19	341.28	-1050.36	7.84
Fc.	60	-1227.19	341.28	-1050.36	-28.73
Sommita					
Cls.	60	-1227.19	341.28	-1050.36	-1.92
Cls.Med	60	-1227.19	341.28	-1050.36	-0.96
Ft.	60	-1227.19	341.28	-1050.36	7.84
Fc.	60	-1227.19	341.28	-1050.36	-28.73

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
302-304-306-188	3.67	3.20	19	476.66	1.50	714.99	-701.48	-1451.43	5161.36	2612.05	2324.30	0.31

- NUCLEO 542 544 540

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
542 544	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
540 542	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-422.69	-421.50	1297.25	0.26
Som.	18	-273.54	-175.41	539.84	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-411.17	-142.17	437.55	-1.51
Cls.Med	60	-411.17	-142.17	437.55	-0.76
Ft.	60	-411.17	-142.17	437.55	22.05
Fc.	60	-411.17	-142.17	437.55	-22.65
Sommita					
Cls.	60	-411.17	-142.17	437.55	-1.51
Cls.Med	60	-411.17	-142.17	437.55	-0.76
Ft.	60	-411.17	-142.17	437.55	22.05
Fc.	60	-411.17	-142.17	437.55	-22.65

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
540-542-544	2.70	5.10	18	154.75	1.50	232.13	-273.54	567.62	3772.14	1909.00	1473.65	0.16

- NUCLEO 87 1892 1954

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
87 1891	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
1954 87	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2022.16	1160.51	1597.30	0.25
Som.	21	-1234.14	-502.26	-691.31	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1425.55	821.51	1130.71	-4.08
Cls.Med	60	-1425.55	821.51	1130.71	-2.03
Ft.	60	-1425.55	821.51	1130.71	40.43
Fc.	60	-1425.55	821.51	1130.71	-61.08
Sommita					
Cls.	60	-1425.55	821.51	1130.71	-4.08
Cls.Med	60	-1425.55	821.51	1130.71	-2.03
Ft.	60	-1425.55	821.51	1130.71	40.43
Fc.	60	-1425.55	821.51	1130.71	-61.08

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1954-87-1891	2.70	4.30	21	-514.83	1.50	-772.25	-1383.52	1251.34	3772.14	1909.00	2624.62	0.40

- NUCLEO 319 317 325

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
319 317	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
325 319	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-1113.49	492.07	677.28	0.13
Som.	19	-1031.71	855.80	1177.92	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1092.02	-9.04	-12.45	-0.94
Cls.Med	60	-1092.02	-9.04	-12.45	-0.91
Ft.	31	-1029.20	-35.07	-48.27	-11.18
Fc.	60	-1092.02	-9.04	-12.45	-14.03
Sommita					
Cls.	60	-1092.02	-9.04	-12.45	-0.94
Cls.Med	60	-1092.02	-9.04	-12.45	-0.91
Ft.	31	-1029.20	-35.07	-48.27	-11.18
Fc.	60	-1092.02	-9.04	-12.45	-14.03

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
325-319-317	2.70	3.20	22	286.17	1.50	429.26	-1071.42	-725.19	3772.14	1909.00	2488.37	0.22

- NUCLEO 555 553 559

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
555 553	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
559 555	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-455.03	-871.84	-1199.99	0.30
Som.	21	-325.60	-410.05	-564.39	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-429.14	-356.05	-490.06	-2.10
Cls.Med	60	-429.14	-356.05	-490.06	-1.05
Ft.	60	-429.14	-356.05	-490.06	43.36
Fc.	60	-429.14	-356.05	-490.06	-31.43
Sommita					
Cls.	60	-429.14	-356.05	-490.06	-2.10
Cls.Med	60	-429.14	-356.05	-490.06	-1.05
Ft.	60	-429.14	-356.05	-490.06	43.36
Fc.	60	-429.14	-356.05	-490.06	-31.43

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
559-555-553	2.70	5.10	21	-168.62	1.50	-252.93	-325.60	-697.63	3772.14	1909.00	1474.81	0.17

- NUCLEO 88 1891 1955

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
88 1892	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
1955 88	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 14 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2173.81	1773.87	-2441.52	0.39
Som.	18	-1421.44	-559.81	770.51	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1536.96	1263.17	-1738.60	-6.50
Cls.Med	60	-1536.96	1263.17	-1738.60	-3.23
Ft.	60	-1536.96	1263.17	-1738.60	113.77
Fc.	60	-1536.96	1263.17	-1738.60	-97.29
Sommita					
Cls.	60	-1536.96	1263.17	-1738.60	-6.50

Cls.Med	60	-1536.96	1263.17	-1738.60	-3.23
Ft.	60	-1536.96	1263.17	-1738.60	113.77
Fc.	60	-1536.96	1263.17	-1738.60	-97.29

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1955-88-1892	2.70	4.30	20	-735.00	1.50	-1102.50	-1529.35	2314.37	3772.14	1909.00	2438.70	0.58

- NUCLEO 320 318 326

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
320 318	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
326 320	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-1142.27	526.90	-725.22	0.13
Som.	25	-1061.74	782.11	-1076.48	0.20

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1126.38	104.21	-143.43	-1.26
Cls.Med	60	-1126.38	104.21	-143.43	-0.94
Ft.	31	-1072.73	149.34	-205.55	-6.37
Fc.	60	-1126.38	104.21	-143.43	-18.93
Sommita					
Cls.	60	-1126.38	104.21	-143.43	-1.26
Cls.Med	60	-1126.38	104.21	-143.43	-0.94
Ft.	31	-1072.73	149.34	-205.55	-6.37
Fc.	60	-1126.38	104.21	-143.43	-18.93

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
326-320-318	2.70	3.20	18	224.00	1.50	336.01	-1109.04	-667.44	3772.14	1909.00	2590.53	0.18

- NUCLEO 556 554 560

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
556 554	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
560 556	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-484.06	-817.16	1124.72	0.27
Som.	18	-332.31	-411.55	566.45	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-438.96	-304.07	418.52	-1.74
Cls.Med	60	-438.96	-304.07	418.52	-0.87

Ft.	60	-438.96	-304.07	418.52	28.63
Fc.	60	-438.96	-304.07	418.52	-26.08
Sommita					
Cls.	60	-438.96	-304.07	418.52	-1.74
Cls.Med	60	-438.96	-304.07	418.52	-0.87
Ft.	60	-438.96	-304.07	418.52	28.63
Fc.	60	-438.96	-304.07	418.52	-26.08

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
560-556-554	2.70	5.10	20	-149.25	1.50	-223.87	-325.70	-670.68	3772.14	1909.00	1483.61	0.15

- NUCLEO 99 2020 2092

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
99 2020	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
2092 99	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2059.72	1312.66	953.70	0.22
Som.	21	-1249.00	-775.57	-563.49	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1451.41	932.27	677.33	-3.37
Cls.Med	60	-1451.41	932.27	677.33	-1.68
Ft.	60	-1451.41	932.27	677.33	20.37
Fc.	60	-1451.41	932.27	677.33	-50.49
Sommita					
Cls.	60	-1451.41	932.27	677.33	-3.37
Cls.Med	60	-1451.41	932.27	677.33	-1.68
Ft.	60	-1451.41	932.27	677.33	20.37
Fc.	60	-1451.41	932.27	677.33	-50.49

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2092-99-2020	2.70	4.30	20	-507.00	1.50	-760.50	-1472.26	1229.13	3772.14	1909.00	2726.33	0.40

- NUCLEO 343 337 345

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
343 337	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
345 343	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-1068.86	-687.57	-499.55	0.12
Som.	19	-1037.58	1176.34	854.66	0.22

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	60	-1102.36	-96.78	-70.32	-1.13
Cls.Med	60	-1102.36	-96.78	-70.32	-0.91
Ft.	31	-1034.59	-117.46	-85.34	-8.86
Fc.	60	-1102.36	-96.78	-70.32	-16.98
Sommita					
Cls.	60	-1102.36	-96.78	-70.32	-1.13
Cls.Med	60	-1102.36	-96.78	-70.32	-0.91
Ft.	31	-1034.59	-117.46	-85.34	-8.86
Fc.	60	-1102.36	-96.78	-70.32	-16.98

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
345-343-337	2.70	3.20	17	413.89	1.00	413.89	-1511.45	-146.17	3772.14	1909.00	3351.24	0.22

- NUCLEO 571 569 573

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
571 569	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
573 571	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-493.05	-1210.73	-879.65	0.30
Som.	21	-332.42	-576.97	-419.19	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-435.64	-493.79	-358.76	-2.10
Cls.Med	60	-435.64	-493.79	-358.76	-1.05
Ft.	60	-435.64	-493.79	-358.76	43.27
Fc.	60	-435.64	-493.79	-358.76	-31.50
Sommita					
Cls.	60	-435.64	-493.79	-358.76	-2.10
Cls.Med	60	-435.64	-493.79	-358.76	-1.05
Ft.	60	-435.64	-493.79	-358.76	43.27
Fc.	60	-435.64	-493.79	-358.76	-31.50

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
573-571-569	2.70	5.10	21	-169.86	1.50	-254.80	-332.42	-713.17	3772.14	1909.00	1478.25	0.17

- NUCLEO 2021 100 2093

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
2021 100	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'
100 2093	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	17	-2186.62	2414.49	-1754.23	0.37
Som.	20	-1385.71	-709.04	515.15	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1538.36	1697.34	-1233.19	-6.13
Cls.Med	60	-1538.36	1697.34	-1233.19	-3.07
Ft.	60	-1538.36	1697.34	-1233.19	98.94
Fc.	60	-1538.36	1697.34	-1233.19	-91.98
Sommita					
Cls.	60	-1538.36	1697.34	-1233.19	-6.13
Cls.Med	60	-1538.36	1697.34	-1233.19	-3.07
Ft.	60	-1538.36	1697.34	-1233.19	98.94
Fc.	60	-1538.36	1697.34	-1233.19	-91.98

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2021-100-2093	2.70	4.30	20	728.39	1.50	1092.59	-1487.58	-2220.76	3772.14	1909.00	2465.26	0.57

- NUCLEO 338 344 346

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
338 344	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
344 346	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-1147.62	788.13	-572.61	0.14
Som.	24	-1057.34	1077.94	-783.17	0.19

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1130.43	233.86	-169.91	-1.47
Cls.Med	60	-1130.43	233.86	-169.91	-0.94
Ft.	31	-1069.00	310.04	-225.26	-2.79
Fc.	60	-1130.43	233.86	-169.91	-22.01
Sommita					
Cls.	60	-1130.43	233.86	-169.91	-1.47
Cls.Med	60	-1130.43	233.86	-169.91	-0.94
Ft.	31	-1069.00	310.04	-225.26	-2.79
Fc.	60	-1130.43	233.86	-169.91	-22.01

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
338-344-346	2.70	3.20	18	-185.15	1.50	-277.73	-1115.07	542.02	3772.14	1909.00	2742.58	0.15

- NUCLEO 570 572 574

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

570 572	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
572 574	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-470.16	-1129.22	820.42	0.27
Som.	18	-333.32	-563.71	409.56	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-442.83	-426.04	309.54	-1.77
Cls.Med	29	-442.83	-426.04	309.54	-0.88
Ft.	30	-357.60	-375.34	272.70	29.71
Fc.	29	-442.83	-426.04	309.54	-26.48
Sommita					
Cls.	29	-442.83	-426.04	309.54	-1.77
Cls.Med	29	-442.83	-426.04	309.54	-0.88
Ft.	30	-357.60	-375.34	272.70	29.71
Fc.	29	-442.83	-426.04	309.54	-26.48

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
570-572-574	2.70	5.10	20	149.70	1.50	224.56	-334.24	678.57	3772.14	1909.00	1491.35	0.15

- NUCLEO 103 2094 2161

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
103 2094	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
2161 103	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-1562.90	339.79	110.40	0.10
Som.	19	195.43	341.37	110.92	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-758.86	228.83	74.35	-1.02
Cls.Med	60	-758.86	228.83	74.35	-0.61
Ft.	29	-739.20	224.32	72.89	-2.86
Fc.	60	-758.86	228.83	74.35	-15.26
Sommita					
Cls.	60	-758.86	228.83	74.35	-1.02
Cls.Med	60	-758.86	228.83	74.35	-0.61
Ft.	29	-739.20	224.32	72.89	-2.86
Fc.	60	-758.86	228.83	74.35	-15.26

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2161-103-2094	2.70	4.30	21	-220.72	1.50	-331.09	-1184.56	312.07	3772.14	1909.00	3196.98	0.17

- NUCLEO 355 347 363

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
355 347	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
363 355	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	17.45	1050.98	341.49	0.29
Som.	18	-46.39	-287.05	-93.27	0.07

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-598.84	259.36	84.27	-0.99
Cls.Med	60	-598.84	259.36	84.27	-0.50
Ft.	60	-598.84	259.36	84.27	0.05
Fc.	60	-598.84	259.36	84.27	-14.86
Sommita					
Cls.	60	-598.84	259.36	84.27	-0.99
Cls.Med	60	-598.84	259.36	84.27	-0.50
Ft.	60	-598.84	259.36	84.27	0.05
Fc.	60	-598.84	259.36	84.27	-14.86

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
363-355-347	2.70	3.20	19	380.59	1.50	570.89	86.06	-102.47	3772.14	1909.00	919.31	0.62

- NUCLEO 583 575 591

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
583 575	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
591 583	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-449.50	-1425.66	-463.22	0.29
Som.	21	-308.07	-635.57	-206.51	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-425.57	-567.11	-184.26	-2.01
Cls.Med	60	-425.57	-567.11	-184.26	-1.00
Ft.	60	-425.57	-567.11	-184.26	39.75
Fc.	60	-425.57	-567.11	-184.26	-30.15
Sommita					
Cls.	60	-425.57	-567.11	-184.26	-2.01
Cls.Med	60	-425.57	-567.11	-184.26	-1.00
Ft.	60	-425.57	-567.11	-184.26	39.75
Fc.	60	-425.57	-567.11	-184.26	-30.15

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
591-583-575	2.70	5.10	21	-170.48	1.50	-255.72	-308.07	-668.28	3772.14	1909.00	1487.60	0.17

- NUCLEO 104 2162 2095

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
104 2162	2	1350	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 150'
2095 104	2	1350	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2169.08	2516.32	-817.60	0.32
Som.	17	-2018.15	193.80	-62.97	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1518.98	1780.33	-578.46	-5.42
Cls.Med	60	-1518.98	1780.33	-578.46	-2.71
Ft.	60	-1518.98	1780.33	-578.46	77.67
Fc.	60	-1518.98	1780.33	-578.46	-81.35
Sommita					
Cls.	60	-1518.98	1780.33	-578.46	-5.42
Cls.Med	60	-1518.98	1780.33	-578.46	-2.71
Ft.	60	-1518.98	1780.33	-578.46	77.67
Fc.	60	-1518.98	1780.33	-578.46	-81.35

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2095-104-2162	2.70	4.30	20	599.54	1.50	899.31	-1505.69	-1907.62	3772.14	1909.00	2527.52	0.47

- NUCLEO 356 364 348

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
356 364	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'
348 356	2	1350	3200	400	2x ø 16 150'	2x ø 14 150'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	-1138.59	1128.32	-366.61	0.17
Som.	24	-1053.84	1398.21	-454.31	0.22

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1117.21	468.43	-152.20	-1.82
Cls.Med	60	-1117.21	468.43	-152.20	-0.92
Ft.	60	-1117.21	468.43	-152.20	-0.35
Fc.	60	-1117.21	468.43	-152.20	-27.28
Sommita					
Cls.	60	-1117.21	468.43	-152.20	-1.82

Cls.Med	60	-1117.21	468.43	-152.20	-0.92
Ft.	60	-1117.21	468.43	-152.20	-0.35
Fc.	60	-1117.21	468.43	-152.20	-27.28

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
348-356-364	2.70	3.20	22	-117.24	1.50	-175.86	-1121.75	-810.68	3772.14	1909.00	2486.46	0.09

- NUCLEO 584 592 576

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
584 592	2	1350	5100	400	2x ø 16 150'	2x ø 14 150'
576 584	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-444.81	-1283.77	417.12	0.30
Som.	18	-305.91	-612.23	198.92	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-425.00	-467.75	151.98	-1.69
Cls.Med	29	-425.00	-467.75	151.98	-0.85
Ft.	60	-425.34	-471.41	153.17	29.75
Fc.	29	-425.00	-467.75	151.98	-25.39
Sommita					
Cls.	29	-425.00	-467.75	151.98	-1.69
Cls.Med	29	-425.00	-467.75	151.98	-0.85
Ft.	60	-425.34	-471.41	153.17	29.75
Fc.	29	-425.00	-467.75	151.98	-25.39

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
576-584-592	2.70	5.10	20	150.51	1.50	225.76	-310.05	643.49	3772.14	1480.45	1281.11	0.18

- NUCLEO 105 2175 2113

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
105 2175	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
2113 105	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-191.41	824.45	-0.00	0.16
Som.	19	-1186.45	1033.08	-0.00	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	28	-786.58	437.02	-0.00	-1.43
Cls.Med	28	-786.58	437.02	-0.00	-0.71

Ft.	60	-803.57	436.22	-0.00	1.88
Fc.	28	-786.58	437.02	-0.00	-21.41
Sommita					
Cls.	28	-786.58	437.02	-0.00	-1.43
Cls.Med	28	-786.58	437.02	-0.00	-0.71
Ft.	60	-803.57	436.22	-0.00	1.88
Fc.	28	-786.58	437.02	-0.00	-21.41

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2113-105-2175	2.70	4.30	22	-269.78	1.50	-404.68	-144.86	417.91	3772.14	1051.90	1020.84	0.40

- NUCLEO 357 365 349

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
357 365	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
349 357	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	25	-291.99	1040.08	-0.00	0.27
Som.	19	-662.77	860.04	-0.00	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-590.81	481.38	-0.00	-1.59
Cls.Med	60	-590.81	481.38	-0.00	-0.79
Ft.	60	-590.81	481.38	-0.00	13.06
Fc.	60	-590.81	481.38	-0.00	-23.80
Sommita					
Cls.	60	-590.81	481.38	-0.00	-1.59
Cls.Med	60	-590.81	481.38	-0.00	-0.79
Ft.	60	-590.81	481.38	-0.00	13.06
Fc.	60	-590.81	481.38	-0.00	-23.80

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
349-357-365	2.70	3.20	23	321.96	1.50	482.94	-290.02	-576.77	3772.14	1051.90	1110.72	0.46

- NUCLEO 585 593 577

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
585 593	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
577 585	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-474.87	-1082.56	0.00	0.22
Som.	21	-333.27	-658.37	0.00	0.13

S.L.E.	Combinazione	N	Mx	My	σ

		[kN]	[kNm]	[kNm]	[MPa]
Base					
Cls.	28	-419.08	-528.88	0.00	-1.89
Cls.Med	28	-419.08	-528.88	0.00	-0.94
Ft.	28	-419.08	-528.88	0.00	36.07
Fc.	28	-419.08	-528.88	0.00	-28.34
Sommita					
Cls.	28	-419.08	-528.88	0.00	-1.89
Cls.Med	28	-419.08	-528.88	0.00	-0.94
Ft.	28	-419.08	-528.88	0.00	36.07
Fc.	28	-419.08	-528.88	0.00	-28.34

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
577-585-593	2.70	5.10	21	-96.71	1.50	-145.06	-474.87	1082.56	3772.14	1051.90	1248.19	0.14

- NUCLEO 106 2180 2118

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
106 2180	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
2118 106	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2522.50	1942.86	-0.00	0.27
Som.	17	-2371.57	744.12	-0.00	0.17

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1786.43	1448.82	-0.00	-4.38
Cls.Med	60	-1786.43	1448.82	-0.00	-2.19
Ft.	26	-1750.60	1412.42	-0.00	29.13
Fc.	60	-1786.43	1448.82	-0.00	-65.76
Sommita					
Cls.	60	-1786.43	1448.82	-0.00	-4.38
Cls.Med	60	-1786.43	1448.82	-0.00	-2.19
Ft.	26	-1750.60	1412.42	-0.00	29.13
Fc.	60	-1786.43	1448.82	-0.00	-65.76

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2118-106-2180	2.70	4.30	22	261.72	1.50	392.58	-1789.23	-1312.46	3772.14	1051.90	2499.05	0.37

- NUCLEO 358 366 350

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
358 366	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
350 358	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr

Base	17	-1937.70	1146.29	-0.00	0.19
Som.	5	-1603.86	2358.27	-0.00	0.41

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1414.33	692.42	-0.00	-2.50
Cls.Med	60	-1414.33	692.42	-0.00	-1.25
Ft.	60	-1414.33	692.42	-0.00	1.67
Fc.	60	-1414.33	692.42	-0.00	-37.57
Sommita					
Cls.	60	-1414.33	692.42	-0.00	-2.50
Cls.Med	60	-1414.33	692.42	-0.00	-1.25
Ft.	60	-1414.33	692.42	-0.00	1.67
Fc.	60	-1414.33	692.42	-0.00	-37.57

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
350-358-366	2.70	3.20	21	-305.55	1.50	-458.33	-1284.46	-235.84	3772.14	1051.90	2673.43	0.44

- NUCLEO 586 594 578

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
586 594	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
578 586	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-555.13	-1086.96	0.00	0.21
Som.	21	-310.15	-631.34	0.00	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	28	-458.63	-507.59	0.00	-1.76
Cls.Med	28	-458.63	-507.59	0.00	-0.88
Ft.	28	-458.63	-507.59	0.00	27.48
Fc.	28	-458.63	-507.59	0.00	-26.42
Sommita					
Cls.	28	-458.63	-507.59	0.00	-1.76
Cls.Med	28	-458.63	-507.59	0.00	-0.88
Ft.	28	-458.63	-507.59	0.00	27.48
Fc.	28	-458.63	-507.59	0.00	-26.42

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
578-586-594	2.70	5.10	20	-60.46	1.50	-90.69	-520.97	976.16	3772.14	1051.90	1297.15	0.09

- NUCLEO 107 2185 2123

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale

107 2185	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
2123 107	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2533.72	1937.45	-0.00	0.27
Som.	17	-2382.79	1039.77	-0.00	0.19

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1802.15	1446.28	-0.00	-4.38
Cls.Med	60	-1802.15	1446.28	-0.00	-2.19
Ft.	26	-1759.25	1410.70	-0.00	28.62
Fc.	60	-1802.15	1446.28	-0.00	-65.67
Sommita					
Cls.	60	-1802.15	1446.28	-0.00	-4.38
Cls.Med	60	-1802.15	1446.28	-0.00	-2.19
Ft.	26	-1759.25	1410.70	-0.00	28.62
Fc.	60	-1802.15	1446.28	-0.00	-65.67

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2123-107-2185	2.70	4.30	18	239.85	1.50	359.78	-1849.18	-1540.41	3772.14	1051.90	2476.09	0.34

- NUCLEO 359 367 351

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
359 367	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
351 359	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-1932.87	1494.54	-0.00	0.23
Som.	6	-1595.83	2366.97	-0.00	0.41

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1419.80	926.03	-0.00	-3.07
Cls.Med	60	-1419.80	926.03	-0.00	-1.53
Ft.	60	-1419.80	926.03	-0.00	12.37
Fc.	60	-1419.80	926.03	-0.00	-46.04
Sommita					
Cls.	60	-1419.80	926.03	-0.00	-3.07
Cls.Med	60	-1419.80	926.03	-0.00	-1.53
Ft.	60	-1419.80	926.03	-0.00	12.37
Fc.	60	-1419.80	926.03	-0.00	-46.04

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
351-359-367	2.70	3.20	21	-253.04	1.50	-379.56	-1404.50	-470.90	3772.14	1051.90	2627.39	0.36

- NUCLEO 587 595 579

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
587 595	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
579 587	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-543.96	-949.10	0.00	0.17
Som.	20	-396.69	-724.97	0.00	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-445.37	-478.52	0.00	-1.65
Cls.Med	29	-445.37	-478.52	0.00	-0.82
Ft.	29	-445.37	-478.52	0.00	24.43
Fc.	29	-445.37	-478.52	0.00	-24.74
Sommita					
Cls.	29	-445.37	-478.52	0.00	-1.65
Cls.Med	29	-445.37	-478.52	0.00	-0.82
Ft.	29	-445.37	-478.52	0.00	24.43
Fc.	29	-445.37	-478.52	0.00	-24.74

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
579-587-595	2.70	5.10	20	-48.91	1.50	-73.37	-561.46	948.83	3772.14	1051.90	1340.75	0.07

- NUCLEO 108 2190 2128

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
108 2190	2	1350	4300	400	2x ø 14 150'+ Dx: 2 x 4 ø 14 150'	2x ø 12 200'
2128 108	2	1350	4300	400	2x ø 14 150'+ Sx: 2 x 4 ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	17	-2303.44	2066.39	-0.00	0.28
Som.	17	-2152.51	699.33	-0.00	0.15

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1612.37	1512.64	-0.00	-4.58
Cls.Med	60	-1612.37	1512.64	-0.00	-2.29
Ft.	26	-1596.40	1492.44	-0.00	43.97
Fc.	60	-1612.37	1512.64	-0.00	-68.75
Sommita					
Cls.	60	-1612.37	1512.64	-0.00	-4.58
Cls.Med	60	-1612.37	1512.64	-0.00	-2.29
Ft.	26	-1596.40	1492.44	-0.00	43.97
Fc.	60	-1612.37	1512.64	-0.00	-68.75

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2128-108-2190	2.70	4.30	20	399.48	1.50	599.21	-1597.23	-1538.37	3772.14	1051.90	2258.29	0.57

- NUCLEO 360 368 352

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
360 368	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'
352 360	2	1350	3200	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	-1360.26	1375.31	-0.00	0.21
Som.	6	-1427.34	1851.06	-0.00	0.31

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1230.96	727.62	-0.00	-2.46
Cls.Med	60	-1230.96	727.62	-0.00	-1.23
Ft.	60	-1230.96	727.62	-0.00	6.54
Fc.	60	-1230.96	727.62	-0.00	-36.93
Sommita					
Cls.	60	-1230.96	727.62	-0.00	-2.46
Cls.Med	60	-1230.96	727.62	-0.00	-1.23
Ft.	60	-1230.96	727.62	-0.00	6.54
Fc.	60	-1230.96	727.62	-0.00	-36.93

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
352-360-368	2.70	3.20	21	-233.99	1.50	-350.98	-1103.24	-142.93	3772.14	1051.90	2541.24	0.33

- NUCLEO 588 596 580

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
588 596	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'
580 588	2	1350	5100	400	2x ø 14 150'	2x ø 12 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	-442.38	-1072.78	0.00	0.23
Som.	19	-271.64	-515.50	0.00	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-416.30	-443.42	0.00	-1.53
Cls.Med	29	-416.30	-443.42	0.00	-0.76
Ft.	29	-416.30	-443.42	0.00	22.25
Fc.	29	-416.30	-443.42	0.00	-22.88
Sommita					
Cls.	29	-416.30	-443.42	0.00	-1.53

Cls.Med		29	-416.30	-443.42	0.00	-0.76
Ft.		29	-416.30	-443.42	0.00	22.25
Fc.		29	-416.30	-443.42	0.00	-22.88

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/ V_R
580-588-596	2.70	5.10	20	-88.60	1.50	-132.91	-442.38	1072.78	3772.14	1051.90	1223.54	0.13

- Verifiche setti in c.a.

Elementi di sezione 3 (setti Controvento): Vista 3d

Elementi di sezione 3 (setti Controvento): nodi di base

- Sezione 3:

Sezione Numero	Info	Dimensioni	Criterio	Calcestruzzo	f_{cd} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Copriferro [mm]
3	Muro settoCV	s 400 [mm]	Verset	C28/35	15.87	B 450 C	391.30	360.00	450.00	450.00	59.00

Fattore di sovraresistenza $\gamma_{R,d}$=1.00

Per nuclei e diaframmi i momenti di progetto sono traslati e inviluppati

Per nuclei e diaframmi i tagli di progetto sono traslati e inviluppati

Taglio di progetto pari a 1.5 taglio di calcolo

EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. cotg θ = 1.00

- Verifiche Setti:

- NUCLEO 32 1159 42 1261 1221 1312 48 1180 1201 1278 1295

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
32 1159	3	1492	4300	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
42 1261	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1221 42	3	1162	4300	400	2x ø 16 150'	2x ø 14 200'
1312 48	3	1120	4300	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'
1159 1180	3	1162	4300	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 200'
1180 1201	3	1162	4300	400	2x ø 16 150'	2x ø 14 200'
1201 1221	3	1162	4300	400	2x ø 16 150'	2x ø 14 200'
1261 1278	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1278 1295	3	1120	4300	400	2x ø 16 150'+ Dx: 2 x 4 ø 16 50'	2x ø 14 200'
1295 1312	3	1120	4300	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	583.33	-961.58	0.00	0.05
Som.	23	1138.68	-1156.47	0.00	0.08

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	29	-268.21	-883.51	0.00	-0.14
Cls.Med	29	-268.21	-883.51	0.00	-0.07

Ft.	60	-312.99	-860.75	0.00	0.46
Fc.	29	-268.21	-883.51	0.00	-2.12
Sommita					
Cls.	29	-268.21	-883.51	0.00	-0.14
Cls.Med	29	-268.21	-883.51	0.00	-0.07
Ft.	60	-312.99	-860.75	0.00	0.46
Fc.	29	-268.21	-883.51	0.00	-2.12

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
32-1159-1180-1201-1221-42-1261-1278-1295-1312-48	11.74	4.30	21	286.10	1.50	429.15	513.42	1012.87	16685.37	6333.08	3606.51	0.12

- NUCLEO 184 2282 210 2293 2290 2299 224 2285 2288 2295 2297

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
184 2282	3	1492	3200	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
210 2293	3	1120	3200	400	2x ø 16 150'	2x ø 14 200'
2290 210	3	1162	3200	400	2x ø 16 150'	2x ø 14 200'
2299 224	3	1120	3200	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'
2282 2285	3	1162	3200	400	2x ø 16 150'+ Sx: 2 x 3 ø 16 150'	2x ø 14 200'
2285 2288	3	1162	3200	400	2x ø 16 150'	2x ø 14 200'
2288 2290	3	1162	3200	400	2x ø 16 150'	2x ø 14 200'
2293 2295	3	1120	3200	400	2x ø 16 150'	2x ø 14 200'
2295 2297	3	1120	3200	400	2x ø 16 150'+ Dx: 2 x 4 ø 16 50'	2x ø 14 200'
2297 2299	3	1120	3200	400	2x ø 16 150'+ Dx: 2 x 3 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	296.52	-4292.65	0.00	0.07
Som.	23	1126.35	243.50	-0.00	0.06

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	26	21.60	-1009.14	0.00	-0.17
Cls.Med	26	21.60	-1009.14	0.00	0.00
Ft.	60	-12.97	-1107.62	0.00	7.88
Fc.	26	21.60	-1009.14	0.00	-2.56
Sommita					
Cls.	26	21.60	-1009.14	0.00	-0.17
Cls.Med	26	21.60	-1009.14	0.00	0.00
Ft.	60	-12.97	-1107.62	0.00	7.88
Fc.	26	21.60	-1009.14	0.00	-2.56

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
184-2282-2285-2288-2290-210-2293-2295-2297-2299-224	11.74	3.20	21	2029.82	1.50	3044.73	675.59	-2162.64	16685.37	6333.08	3803.22	0.80

- NUCLEO 48 1340 1391 54 1357 1374

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
48 1340	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1391 54	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1340 1357	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1357 1374	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1374 1391	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-141.77	-1331.75	0.00	0.07
Som.	21	83.41	2277.12	-0.00	0.15

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-131.36	-285.95	0.00	-0.22
Cls.Med	60	-131.36	-285.95	0.00	-0.11
Ft.	60	-131.36	-285.95	0.00	2.93
Fc.	60	-131.36	-285.95	0.00	-3.26
Sommita					
Cls.	60	-131.36	-285.95	0.00	-0.22
Cls.Med	60	-131.36	-285.95	0.00	-0.11
Ft.	60	-131.36	-285.95	0.00	2.93
Fc.	60	-131.36	-285.95	0.00	-3.26

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
48-1340-1357-1374-1391-54	5.60	4.30	21	844.48	1.50	1266.71	83.41	-2277.12	7914.21	3003.91	2367.87	0.53

- NUCLEO 54 1419 1470 60 1436 1453

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
54 1419	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1470 60	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1419 1436	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1436 1453	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1453 1470	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-27.51	-1348.88	0.00	0.08
Som.	21	195.39	1904.83	-0.00	0.14

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-97.42	-226.60	0.00	-0.17
Cls.Med	60	-97.42	-226.60	0.00	-0.09
Ft.	60	-97.42	-226.60	0.00	2.62
Fc.	60	-97.42	-226.60	0.00	-2.61
Sommita					
Cls.	60	-97.42	-226.60	0.00	-0.17

Cls.Med	60	-97.42	-226.60	0.00	-0.09
Ft.	60	-97.42	-226.60	0.00	2.62
Fc.	60	-97.42	-226.60	0.00	-2.61

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
54-1419-1436-1453-1470-60	5.60	4.30	21	748.59	1.50	1122.88	195.39	-1904.83	7914.21	3003.91	2251.69	0.50

- NUCLEO 60 1498 1549 66 1515 1532

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
60 1498	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1549 66	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1498 1515	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1515 1532	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1532 1549	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	-23.61	-1205.11	0.00	0.07
Som.	21	208.82	1656.93	-0.00	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-94.77	-215.77	0.00	-0.17
Cls.Med	60	-94.77	-215.77	0.00	-0.08
Ft.	60	-94.77	-215.77	0.00	2.40
Fc.	60	-94.77	-215.77	0.00	-2.48
Sommita					
Cls.	60	-94.77	-215.77	0.00	-0.17
Cls.Med	60	-94.77	-215.77	0.00	-0.08
Ft.	60	-94.77	-215.77	0.00	2.40
Fc.	60	-94.77	-215.77	0.00	-2.48

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
60-1498-1515-1532-1549-66	5.60	4.30	21	658.54	1.50	987.81	208.82	-1656.93	7914.21	3003.91	2202.44	0.45

- NUCLEO 66 1577 1628 72 1594 1611

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
66 1577	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1628 72	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1577 1594	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1594 1611	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'
1611 1628	3	1120	4300	400	2x ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	21	34.39	-1213.40	0.00	0.08
Som.	21	270.26	1556.59	-0.00	0.13

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-111.37	-285.80	0.00	-0.22
Cls.Med	60	-111.37	-285.80	0.00	-0.11
Ft.	60	-111.37	-285.80	0.00	3.86
Fc.	60	-111.37	-285.80	0.00	-3.35
Sommita					
Cls.	60	-111.37	-285.80	0.00	-0.22
Cls.Med	60	-111.37	-285.80	0.00	-0.11
Ft.	60	-111.37	-285.80	0.00	3.86
Fc.	60	-111.37	-285.80	0.00	-3.35

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
66-1577-1594-1611-1628-72	5.60	4.30	21	638.90	1.50	958.35	270.26	-1556.59	7914.21	3003.91	2152.83	0.45

- NUCLEO 72 1656 78 1733 1707 1795 84 1673 1690 1753 1774

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
78 1733	3	1162	4300	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
1795 84	3	1492	4300	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'
1733 1753	3	1162	4300	400	2x ø 16 150'+ Sx: 2 x 4 ø 16 50'	2x ø 14 200'
1753 1774	3	1162	4300	400	2x ø 16 150'	2x ø 14 200'
1774 1795	3	1162	4300	400	2x ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	531.00	405.03	-0.00	0.07
Som.	25	385.37	1842.39	-0.00	0.12

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-133.13	652.51	-0.00	-0.39
Cls.Med	60	-133.13	652.51	-0.00	-0.20
Ft.	60	-133.13	652.51	-0.00	10.22
Fc.	60	-133.13	652.51	-0.00	-5.90
Sommita					
Cls.	60	-133.13	652.51	-0.00	-0.39
Cls.Med	60	-133.13	652.51	-0.00	-0.20
Ft.	60	-133.13	652.51	-0.00	10.22
Fc.	60	-133.13	652.51	-0.00	-5.90

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
78-1733-1753-1774-1795-84	6.14	4.30	25	-137.08	1.50	-205.61	160.84	-708.93	8686.90	3297.19	2187.18	0.09

- NUCLEO 280 2333 294 2341 2339 2349 188 2335 2337 2343 2346

- Armature Nucleo

Nodi	Sezione	B	H	Spessore	Armatura	Armatura

	Numero	[mm]	[mm]	[mm]	Verticale	Orizzontale
294 2341	3	1162	3200	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
2349 188	3	1492	3200	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'
2341 2343	3	1162	3200	400	2x ø 16 150'+ Sx: 2 x 4 ø 16 50'	2x ø 14 200'
2343 2346	3	1162	3200	400	2x ø 16 150'	2x ø 14 200'
2346 2349	3	1162	3200	400	2x ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	25	200.94	2721.89	-0.00	0.14
Som.	25	401.62	-1790.43	0.00	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-10.09	1242.91	-0.00	-0.75
Cls.Med	60	-10.09	1242.91	-0.00	-0.37
Ft.	60	-10.09	1242.91	-0.00	31.86
Fc.	60	-10.09	1242.91	-0.00	-11.21
Sommita					
Cls.	60	-10.09	1242.91	-0.00	-0.75
Cls.Med	60	-10.09	1242.91	-0.00	-0.37
Ft.	60	-10.09	1242.91	-0.00	31.86
Fc.	60	-10.09	1242.91	-0.00	-11.21

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
294-2341-2343-2346-2349-188	6.14	3.20	25	-1403.34	1.50	-2105.01	401.62	1790.43	8686.90	3297.19	2291.76	0.92

- NUCLEO 841 838 845 847 854 857

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
841 838	3	1015	4300	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'
845 841	3	1013	4300	400	2x ø 16 150'	2x ø 14 200'
847 845	3	1013	4300	400	2x ø 16 150'	2x ø 14 200'
854 847	3	1013	4300	400	2x ø 16 150'	2x ø 14 200'
857 854	3	1015	4300	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	22	-2196.61	224.71	-1418.77	0.08
Som.	17	-2461.31	62.89	-397.10	0.07

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1905.27	28.80	-181.87	-0.91
Cls.Med	60	-1905.27	28.80	-181.87	-0.82
Ft.	31	-1928.23	52.59	-332.07	-9.94
Fc.	60	-1905.27	28.80	-181.87	-13.63
Sommita					
Cls.	60	-1905.27	28.80	-181.87	-0.91
Cls.Med	60	-1905.27	28.80	-181.87	-0.82
Ft.	31	-1928.23	52.59	-332.07	-9.94
Fc.	60	-1905.27	28.80	-181.87	-13.63

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
857-854-847-845-841-838	5.07	4.30	19	164.41	1.50	246.61	-1549.47	-1070.96	7155.03	2715.76	5240.32	0.09

- NUCLEO 2260 146 2261 2262 2265 148

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
2260 146	3	1015	3200	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'
2261 2260	3	1013	3200	400	2x ø 16 150'	2x ø 14 200'
2262 2261	3	1013	3200	400	2x ø 16 150'	2x ø 14 200'
2265 2262	3	1013	3200	400	2x ø 16 150'	2x ø 14 200'
148 2265	3	1015	3200	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	23	-1589.77	479.34	-3026.44	0.11
Som.	19	-756.20	345.27	-2179.96	0.08

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1333.04	47.24	-298.26	-0.72
Cls.Med	60	-1333.04	47.24	-298.26	-0.57
Ft.	31	-1434.45	91.31	-576.51	-4.94
Fc.	60	-1333.04	47.24	-298.26	-10.81
Sommita					
Cls.	60	-1333.04	47.24	-298.26	-0.72
Cls.Med	60	-1333.04	47.24	-298.26	-0.57
Ft.	31	-1434.45	91.31	-576.51	-4.94
Fc.	60	-1333.04	47.24	-298.26	-10.81

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
148-2265-2262-2261-2260-146	5.07	3.20	18	1457.69	1.50	2186.54	-1158.79	-2529.74	7155.03	2715.76	3746.35	0.81

- NUCLEO 1139 1158 1179 1200 1222 1236

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1139 1158	3	1171	4300	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
1158 1179	3	1190	4300	400	2x ø 16 150'+ Sx: 2 x 4 ø 16 50'	2x ø 14 200'
1179 1200	3	1190	4300	400	2x ø 16 150'	2x ø 14 200'
1200 1222	3	1190	4300	400	2x ø 16 150'+ Dx: 2 x 4 ø 16 50'	2x ø 14 200'
1222 1236	3	1171	4300	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	400.20	951.30	150.67	0.08
Som.	18	758.50	-157.01	-24.87	0.08

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					

Cls.	60	-224.93	418.72	66.32	-0.26
Cls.Med	60	-224.93	418.72	66.32	-0.13
Ft.	60	-224.93	418.72	66.32	1.99
Fc.	60	-224.93	418.72	66.32	-3.87
Sommita					
Cls.	60	-224.93	418.72	66.32	-0.26
Cls.Med	60	-224.93	418.72	66.32	-0.13
Ft.	60	-224.93	418.72	66.32	1.99
Fc.	60	-224.93	418.72	66.32	-3.87

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1139-1158-1179-1200-1222-1236	5.91	4.30	19	-177.40	1.50	-266.10	676.32	-129.33	8361.59	3173.71	1550.75	0.17

- NUCLEO 189 2281 2284 2287 2291 201

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
189 2281	3	1171	3200	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
2281 2284	3	1190	3200	400	2x ø 16 150'+ Sx: 2 x 4 ø 16 50'	2x ø 14 200'
2284 2287	3	1190	3200	400	2x ø 16 150'	2x ø 14 200'
2287 2291	3	1190	3200	400	2x ø 16 150'+ Dx: 2 x 4 ø 16 50'	2x ø 14 200'
2291 201	3	1171	3200	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	20	345.98	-2203.78	-349.04	0.12
Som.	20	533.74	1485.67	235.31	0.11

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-54.05	-168.16	-26.63	-0.11
Cls.Med	60	-54.05	-168.16	-26.63	-0.05
Ft.	60	-54.05	-168.16	-26.63	1.84
Fc.	60	-54.05	-168.16	-26.63	-1.58
Sommita					
Cls.	60	-54.05	-168.16	-26.63	-0.11
Cls.Med	60	-54.05	-168.16	-26.63	-0.05
Ft.	60	-54.05	-168.16	-26.63	1.84
Fc.	60	-54.05	-168.16	-26.63	-1.58

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
189-2281-2284-2287-2291-201	5.91	3.20	21	1421.59	1.50	2132.39	178.64	-1935.85	8361.59	3173.71	2383.13	0.89

- NUCLEO 1709 1732 1754 1775 1796 1814

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
1709 1732	3	1161	4300	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
1732 1754	3	1200	4300	400	2x ø 16 150'+ Sx: 2 x 4 ø 16 50'	2x ø 14 200'
1754 1775	3	1190	4300	400	2x ø 16 150'	2x ø 14 200'

1775 1796	3	1190	4300	400	2x ø 16 150'+ Dx: 2 x 4 ø 16 50'	2x ø 14 200'
1796 1814	3	1171	4300	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	356.30	-936.16	148.27	0.07
Som.	19	698.69	132.93	-21.05	0.07

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-217.57	-508.50	80.54	-0.31
Cls.Med	60	-217.57	-508.50	80.54	-0.16
Ft.	60	-217.57	-508.50	80.54	3.73
Fc.	60	-217.57	-508.50	80.54	-4.69
Sommita					
Cls.	60	-217.57	-508.50	80.54	-0.31
Cls.Med	60	-217.57	-508.50	80.54	-0.16
Ft.	60	-217.57	-508.50	80.54	3.73
Fc.	60	-217.57	-508.50	80.54	-4.69

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
1709-1732-1754-1775-1796-1814	5.91	4.30	20	246.10	1.50	369.15	83.66	354.42	8361.59	3173.71	2098.40	0.18

- NUCLEO 285 2340 2344 2347 2350 305

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
285 2340	3	1161	3200	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
2340 2344	3	1200	3200	400	2x ø 16 150'+ Sx: 2 x 4 ø 16 50'	2x ø 14 200'
2344 2347	3	1190	3200	400	2x ø 16 150'	2x ø 14 200'
2347 2350	3	1190	3200	400	2x ø 16 150'+ Dx: 2 x 4 ø 16 50'	2x ø 14 200'
2350 305	3	1171	3200	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	24	264.64	2032.59	-321.93	0.11
Som.	24	448.55	-1534.13	242.98	0.10

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-58.33	-114.62	18.15	-0.07
Cls.Med	60	-58.33	-114.62	18.15	-0.04
Ft.	60	-58.33	-114.62	18.15	0.61
Fc.	60	-58.33	-114.62	18.15	-1.05
Sommita					
Cls.	60	-58.33	-114.62	18.15	-0.07
Cls.Med	60	-58.33	-114.62	18.15	-0.04
Ft.	60	-58.33	-114.62	18.15	0.61
Fc.	60	-58.33	-114.62	18.15	-1.05

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
285-2340-2344-2347-2350-305	5.91	3.20	24	-1113.67	1.50	-1670.50	448.55	1553.25	8361.59	3173.71	2173.21	0.77

- NUCLEO 2094 2097 2104 2106 2110 2113

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
2094 2097	3	1015	4300	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
2097 2104	3	1013	4300	400	2x ø 16 150'	2x ø 14 200'
2104 2106	3	1013	4300	400	2x ø 16 150'	2x ø 14 200'
2106 2110	3	1013	4300	400	2x ø 16 150'	2x ø 14 200'
2110 2113	3	1015	4300	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	19	-2208.92	-238.49	1505.76	0.08
Som.	19	-1957.87	-174.03	1098.75	0.07

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1791.09	-85.41	539.25	-1.04
Cls.Med	60	-1791.09	-85.41	539.25	-0.77
Ft.	30	-1796.75	-91.54	577.97	-7.27
Fc.	60	-1791.09	-85.41	539.25	-15.55
Sommita					
Cls.	60	-1791.09	-85.41	539.25	-1.04
Cls.Med	60	-1791.09	-85.41	539.25	-0.77
Ft.	30	-1796.75	-91.54	577.97	-7.27
Fc.	60	-1791.09	-85.41	539.25	-15.55

- Verifiche a taglio dei diaframmi

Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
2094-2097-2104-2106-2110-2113	5.07	4.30	18	-140.19	1.50	-210.29	-1956.77	1678.20	7155.03	2715.76	5258.24	0.08

- NUCLEO 347 2366 2369 2370 2371 349

- Armature Nucleo

Nodi	Sezione Numero	B [mm]	H [mm]	Spessore [mm]	Armatura Verticale	Armatura Orizzontale
347 2366	3	1015	3200	400	2x ø 16 150'+ Sx: 2 x 5 ø 16 150'	2x ø 14 200'
2366 2369	3	1013	3200	400	2x ø 16 150'	2x ø 14 200'
2369 2370	3	1013	3200	400	2x ø 16 150'	2x ø 14 200'
2370 2371	3	1013	3200	400	2x ø 16 150'	2x ø 14 200'
2371 349	3	1015	3200	400	2x ø 16 150'+ Dx: 2 x 5 ø 16 150'	2x ø 14 200'

S.L.U.	Comb.	N [kN]	Mx [kNm]	My [kNm]	Sd/Sr
Base	18	-1365.58	-480.34	3032.73	0.11
Som.	22	-766.84	-335.22	2116.48	0.08

S.L.E.	Combinazione	N [kN]	Mx [kNm]	My [kNm]	σ [MPa]
Base					
Cls.	60	-1272.87	-52.69	332.68	-0.71
Cls.Med	60	-1272.87	-52.69	332.68	-0.55
Ft.	30	-1352.28	-72.83	459.85	-5.28
Fc.	60	-1272.87	-52.69	332.68	-10.68
Sommita					
Cls.	60	-1272.87	-52.69	332.68	-0.71

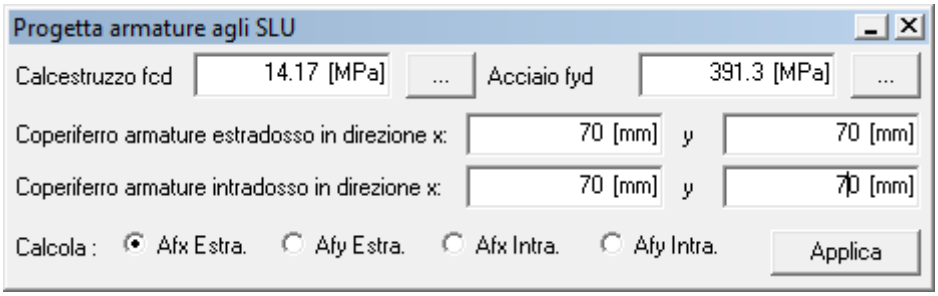
Cls.Med	60	-1272.87	-52.69	332.68	-0.55
Ft.	30	-1352.28	-72.83	459.85	-5.28
Fc.	60	-1272.87	-52.69	332.68	-10.68

- Verifiche a taglio dei diaframmi

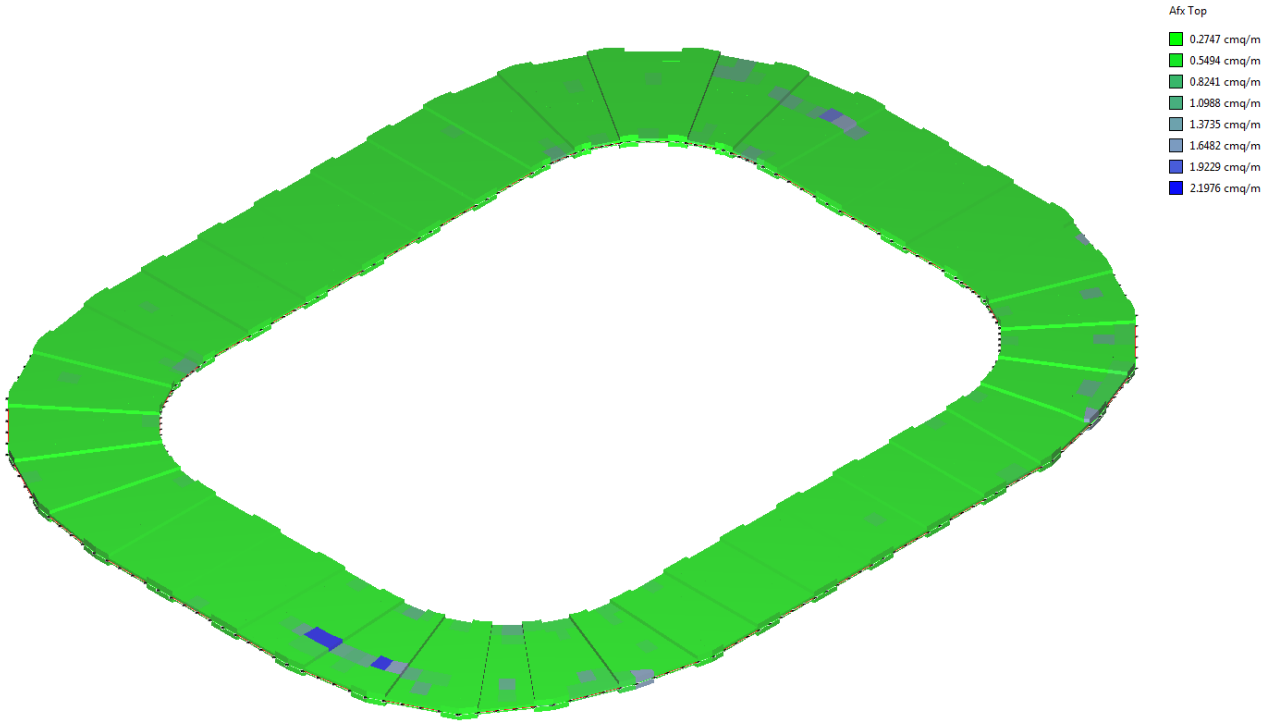
Diaframma	B [m]	H [m]	Comb. critica	V_{dc} [kN]	alpha	V_{Ed} [kN]	N_{Ed} [kN]	M_{Ed} [kNm]	V_{Rcd} [kN]	V_{Rds} [kN]	$V_{Rds,scorrimento}$ [kN]	V_S/V_R
347-2366-2369-2370-2371-349	5.07	3.20	18	-1417.17	1.50	-2125.75	-1365.58	3070.54	7155.03	2715.76	3842.80	0.78

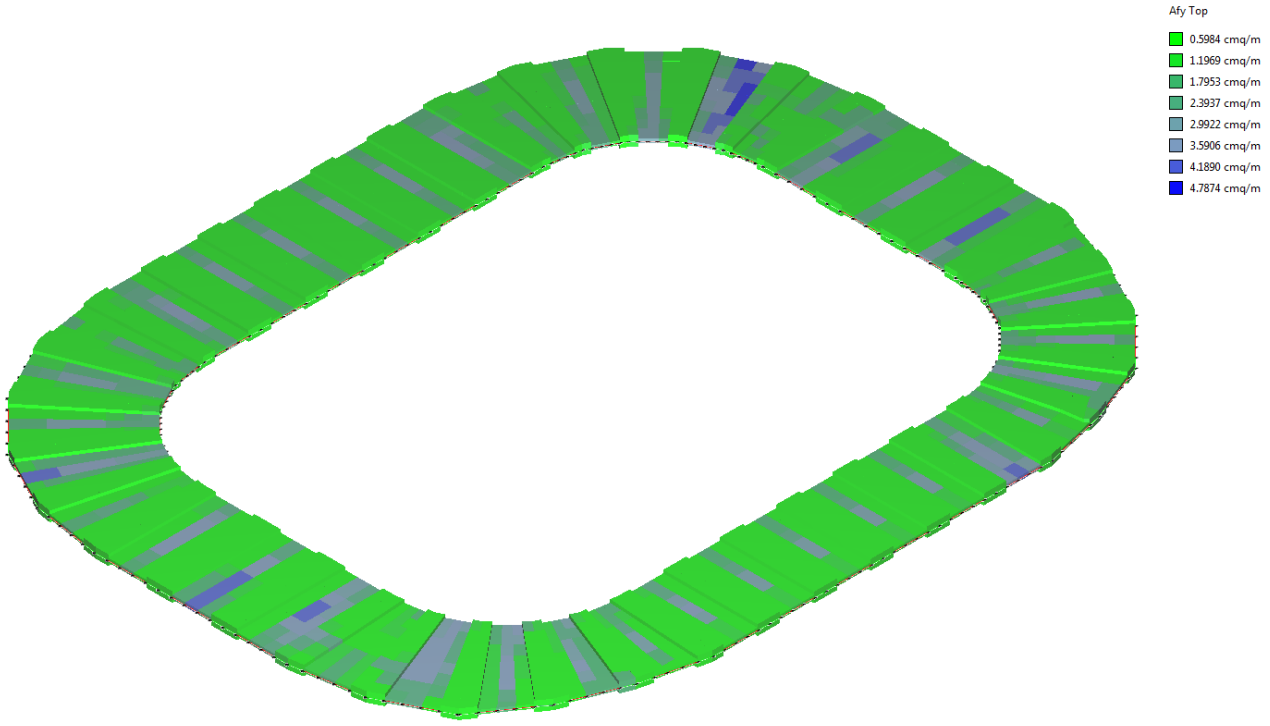
20 VERIFICHE PLATEA FONDAZIONE C.A.

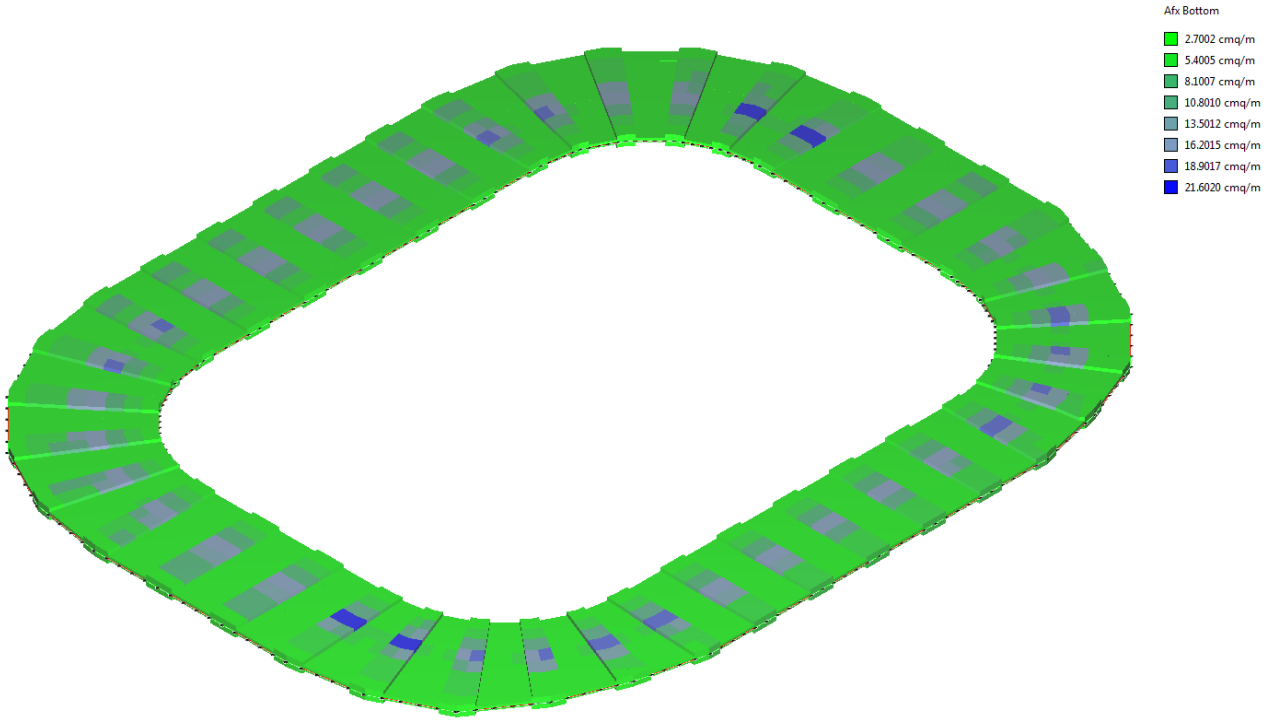
Si riportano di seguito gli isodiagrammi delle armature minime di calcolo, determinate secondo i dati riportati in figura (il copriferro di calcolo è riferito al baricentro della barra più distante dal bordo esterno).

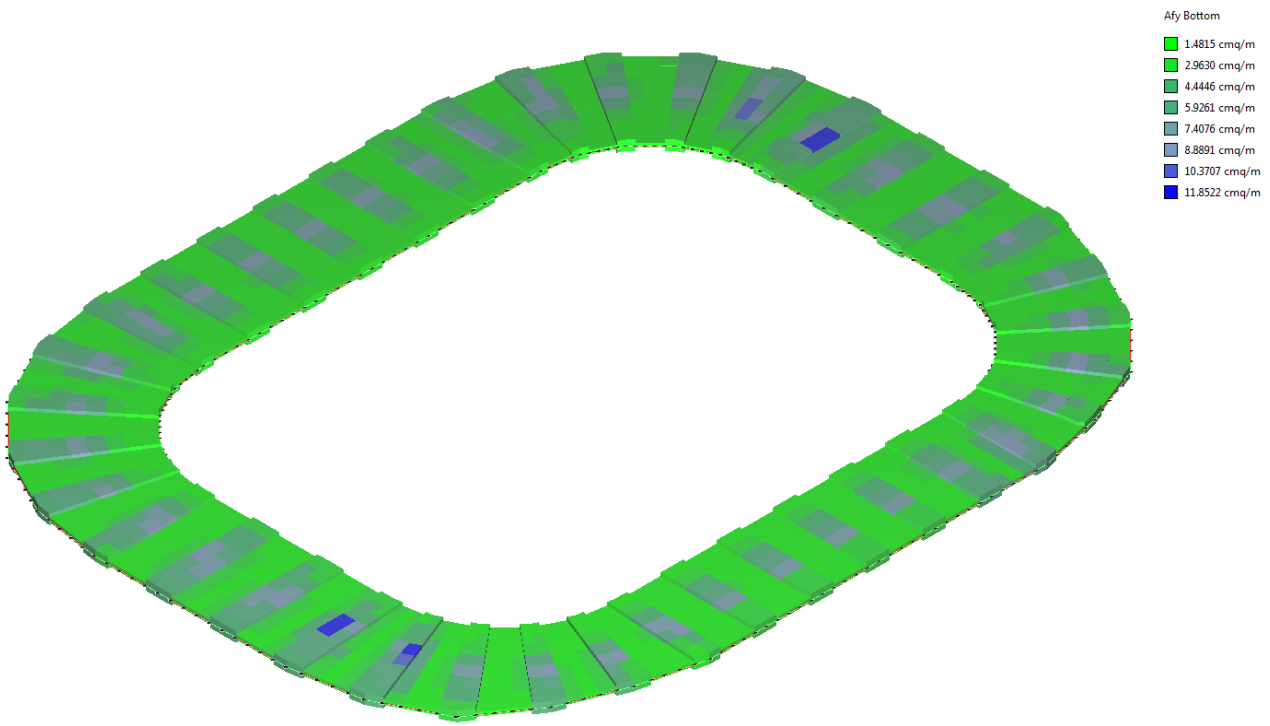


Le armature effettivamente disposte discendono dai minimi normativi di cui al punto 7.2.5 del DM2008.




Afy Top
0.5984 cmq/m
1.1969 cmq/m
1.7953 cmq/m
2.3937 cmq/m
2.9922 cmq/m
3.5906 cmq/m
4.1890 cmq/m
4.7874 cmq/m


Afx Bottom
2.7002 cmq/m
5.4005 cmq/m
8.1007 cmq/m
10.8010 cmq/m
13.5012 cmq/m
16.2015 cmq/m
18.9017 cmq/m
21.6020 cmq/m


Afy Bottom
1.4815 cmq/m
2.9630 cmq/m
4.4446 cmq/m
5.9261 cmq/m
7.4076 cmq/m
8.8891 cmq/m
10.3707 cmq/m
11.8522 cmq/m