# COMUNE DI CALVIZZANO

## Città Metropolitana di Napoli



# Realizzazione della nuova Caserma dei Carabinieri - Edificio EX IPAB

**Fase**

## PROGETTO ESECUTIVO

| Codice Elaborato | Titolo Elaborato |
|---|---|
| All. D01 | Fascicolo dei calcoli - stato di fatto - edificio |


**Progettisti**

IDGE
DI GIROLAMO ENGINEERING

**Responsabile del Progetto**

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| EDIZ. | DATA | DESCRIZIONE | DISEGNATO | CONTROLLATO | APPROVATO |
|---|---|---|---|---|---|
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Il Progettista

# Modellazione

La struttura è costituita da diversi elementi distinti, in base alla loro funzione, in:

- Fondazione in c.a. costituita da: graticcio di travi
- Travi in c.a.
- Pilastri in c.a.
- Setti in muratura
- Solaio per Uffici - Nuovi solai putrelle e tavelloni
- Solaio per Uffici - Solaio esistente putrelle e tavelloni
- Solaio per Copertura porticato- piano I
- Solaio per Deposito - Esistenti SAPAL
- Solaio per Uffici - volte
- Solaio per Latero cemento - Balconi esistenti

I livelli di sicurezza scelti dal Committente e dal Progettista in funzione del tipo e dell'uso della struttura, nonché in funzione delle conseguenze del danno, con riguardo a persone, beni, e possibile turbativa sociale, compreso il costo delle opere necessarie per la riduzione del rischio di danno o di collasso, hanno indirizzato al progetto di una struttura con i seguenti requisiti:

- sicurezza nei confronti degli Stati Limite Ultimi (SLU);
- sicurezza nei confronti degli Stati Limite di Esercizio (SLE).

La struttura è stata schematizzata attraverso un modello spaziale agli elementi finiti che tenga conto dell'effettivo stato deformativo e di sollecitazione, secondo l'effettiva realizzazione.
I vincoli esterni della struttura sono stati caratterizzati, a seconda della presenza degli elementi di fondazione, con: travi winkler, plinti diretti, plinti su pali, platee, ovvero con vincoli perfetti di incastro, appoggio, carrello, ecc.
I vincoli interni sono stati schematizzati secondo le sollecitazioni mutuamente scambiate tra gli elementi strutturali, inserendo, ove opportuno, il rilascio di alcune caratteristiche della sollecitazione per schematizzare il comportamento di vincoli interni non iperstatici (cerniere, carrelli, ecc.).
Il modello agli elementi finiti è stato calcolato tenendo conto dell'interazione tra strutture in fondazione e strutture in elevazione, consentendo un'accurata distribuzione delle azioni statiche e sismiche; il calcolo è stato eseguito considerando che la struttura abbia un comportamento elastico lineare.
I solai sono schematizzati come aree di carico, sulle quali vengono definiti i carichi permanenti (QP Solai), i carichi fissi (QFissi Solai) e i carichi variabili (QV solai); tali carichi sono assegnati alle aste in modo automatico in relazione all'influenza delle diverse aree di carico. Le masse corrispondenti ai carichi variabili sui solai nelle combinazioni sismiche sono state trattate in maniera automatica mediante un coefficiente moltiplicativo, definito in funzione della tipologia del solaio.
Il modello utilizzato è stato valutato alla luce dei diversi scenari di carico a cui la struttura è sottoposta durante la sua costruzione e la sua vita, al fine di garantire la sicurezza e la durabilità della stessa. Per la tipologia strutturale affrontata non è stato necessario definire scenari di contingenza; pertanto non si è tenuto conto delle fasi costruttive delle struttura e, inoltre, si ritiene che non ci siano variazioni del modello di calcolo e degli schemi di vincolo, durante la vita dell'opera. Per il dettaglio degli scenari di calcolo si faccia riferimento alla "Relazione di Calcolo".
Il progetto e la verifica degli elementi strutturali è stato effettuato seguendo la teoria degli Stati limite. I parametri relativi alle verifiche effettuate sono riportati nella Relazione di Calcolo.
Il solutore agli elementi finiti impiegato nell'analisi è SpaceSolver, per il calcolo di strutture piane e spaziali schematizzabili da un insieme di elementi finiti tipo:

- BEAM
- PLATE-SHELL

- WINK
- BOUNDARY

Questi elementi interagiscono tra loro attraverso i nodi, con la possibilità di tenere in conto tutti i possibili disassamenti, mediante l'introduzione di conci rigidi e traslazioni degli elementi bidimensionali. Il solutore lavora in campo elastico lineare, si basa sulle routines di Matlab ed è stato sviluppato in collaborazione con l'Università di Roma – Tor Vergata. Il solutore offre la possibilità di risolvere anche travi su suolo alla Winkler con molle spalmate sull'intera suola, anziché sul solo asse, plinti diretti e su pali, pali singoli, platee, piastre sottili e spesse, con controllo delle rotazioni attorno all'asse normale alla piastra (drilling). Inoltre, per gli elementi BEAM l'equilibrio è scritto rispetto alla linea dei centri di taglio anzichè rispetto alla linea dei baricentri. L'affidabilità del solutore è stata testata su una serie di esempi campioni calcolati con altri procedimenti o con formule note, di cui si rende disponibile la documentazione.

# Affidabilità dei codici utilizzati

Il programma è dotato di una serie di filtri di auto diagnostica che segnalano i seguenti eventi:

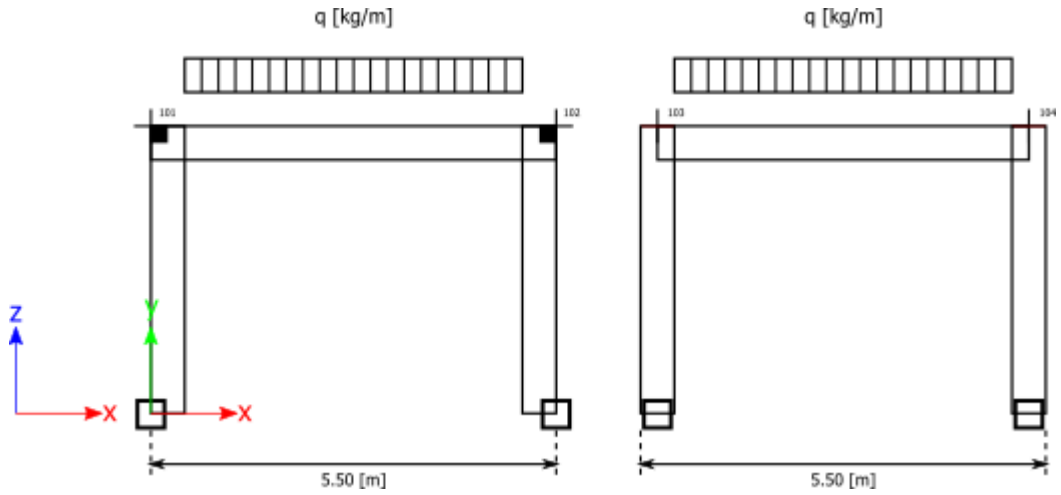
- labilità della struttura;
- assenza di masse;
- nodi collegati ad aste nulle;
- mancanza di terreno sugli elementi in fondazione;
- controllo sull'assegnazione dei nodi all'impalcato;
- correttezza degli spettri di progetto;
- fattori di partecipazione modali;
- assegnazione dei criteri di verifica agli elementi;
- numerazione degli elementi strutturali;
- congruenza delle connessioni tra elementi shell;
- congruenza delle aree di carico;
- definizione delle caratteristiche d'inerzia delle sezioni;
- presenza del magrone sotto la travi tipo wink;
- elementi non verificati per semi progetto allo SLU, con inserimento automatico delle armature secondo i criteri di verifica;
- elementi non verificati allo SLU per armature già inserite nell'elemento strutturale;
- elementi non verificati allo SLE per armature già inserite nell'elemento strutturale.

## Casi prova

**L'affidabilità dei codici utilizzati è stata testata attraverso la risoluzione di alcuni casi prova, che il Produttore fornisce all'Utente, e vengono di seguito documentati.**

**CASO PROVA 1:** Influenza della posizione dei nodi rispetto agli assi delle aste

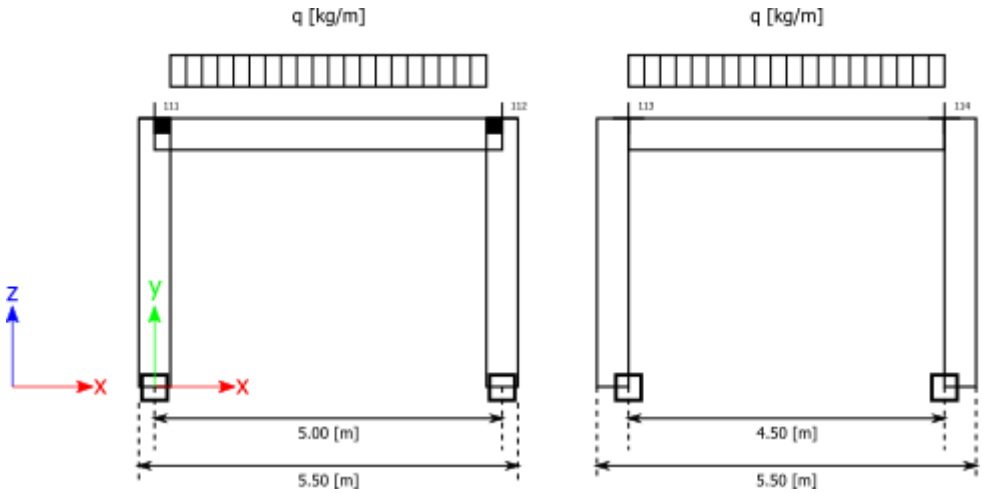
Esempio I




I due portali sono due strutture identiche:il primo, però, ha la luce teorica (da nodo a nodo) del traverso di lunghezza maggiore rispetto al secondo (5.50>5.00); pertanto i risultati di calcolo sono diversi; se si introducono nel traverso del primo telaio dei conci rigidi pari a 25 cm, cioè mezzo pilastro, allora la luce flessibile

dei due telai coincide praticamente e i risultati sono perfettamente coincidenti.

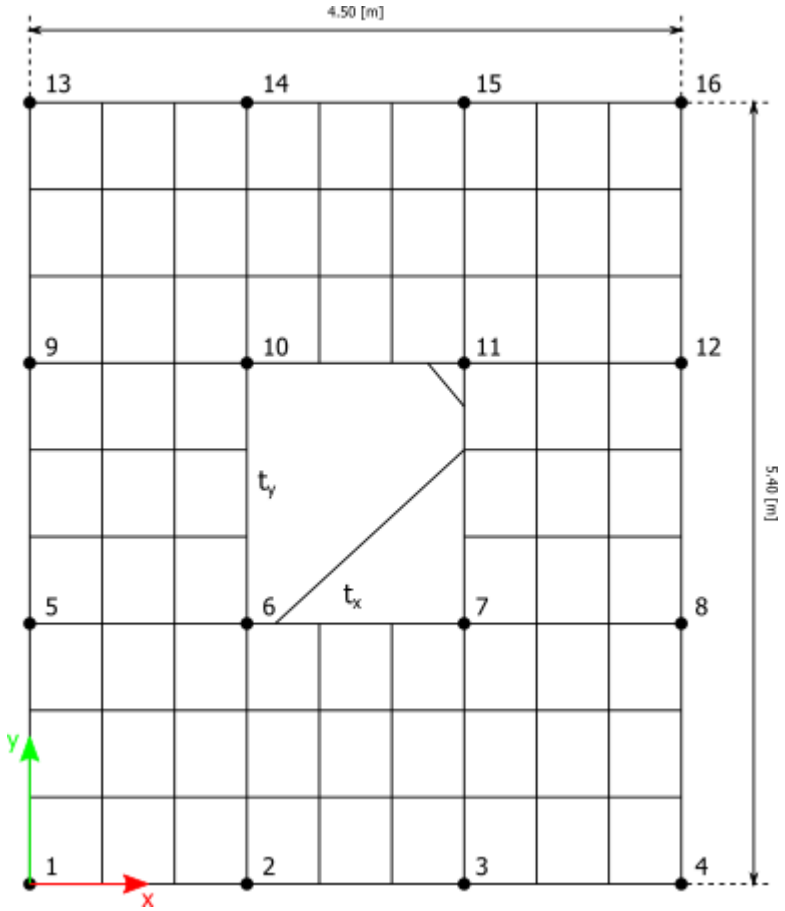
Esempio II




Anche in questo esempio i portali sono due strutture identiche, però il traverso del primo è più lungo rispetto al secondo. I risultati saranno gli stessi se vengono introdotti sul traverso del primo portale dei conci rigidi pari a metà pilastro.

In entrambi gli esempi (anziché introdurre i conci rigidi) si potevano avere gli stessi risultati modificando il filo fisso del traverso del primo portale rispettivamente 8585 per l'esempio I e 8684 per l'esempio II.
Concludendo qualunque sia la posizione dei nodi rispetto agli assi delle travi e dei pilastri, le sollecitazioni sugli assi delle aste) sono sempre le stesse, se la geometria 3D è la stessa e se si scelgono oculatamente i fili fissi o si introducono i conci rigidi.
Al riguardo si ribadisce che lo schema di calcolo è quello 3D e NON lo schema unifilare. Infine si fa notare che l'equilibrio nel nodo (ad esempio N° 101) non sussiste in quanto le sollecitazione nel traverso vengono prese sull'asse dello stesso, mentre le sollecitazioni del pilastro vengono prese nel nodo e quindi in punti diversi. Per l'equilibrio quindi non bisogna prendere in considerazione solo i momenti, ma anche gli effetti delle altre sollecitazioni sul nodo rigido.

**CASO PROVA 2:** Piastra rettangolare




•Siano $L_x$ ed $L_y$ i lati della piastra ($L_y > L_x$) e $t_x$ $t_y$ i corrispondenti lati del rettangolo caricato.
•Siano, inoltre:

- p il carico uniforme;
- $P = p \cdot t_x \cdot t_y$, il carico totale;
- $M_{xm} = \alpha_{xm} \cdot P$, ilmomento al centro, agente parallelamente al lato $L_x$ (cioè nella sezione di mezzeria parallela al lato $L_y$)
- $M_{ym} = \alpha_{ym} \cdot P$, il momento al centro, agente parallelamente al lato $L_y$ (cioè nella sezione di mezzeria parallela al lato $L_x$).

Nel caso in esame essendo:
$L_x = 4.5$ m; $L_y = 5.4$ m; $t_x = 1.5$ m; $t_y = 1.8$ m; $p = 5000$ dN/m$^2$;
si ha: $P = 13500$ dN.
Per n = 0 sarà: $\alpha_{xm} = 0.1377$ e $\alpha_{ym} = 0.1050$.
Pertanto risulta:
Mxm = 1860 dNm e Mym = 1418 dNm.

Se la piastra è discretizzata come in figura (9 x 9) con IperSpace ottengono i seguenti valori:
$M_{xx}$ =1731 dNm e $M_{yy}$ = 1314 dNm, con un errore < 8 %.

Se la discretizzazione è di 15 x 15 elementi i valori sono:
$M_{xx}$ = 1810 dNm e $M_{yy}$ = 1382 dNm, con un errore < 3 %.

Se la discretizzazione è di 21 x 21 elementi i valori sono:
$M_{xx}$ = 1832 dNm e $M_{yy}$ = 1400 dNm, con un errore < 1.5 %.

**CASO PROVA 3:** Mensola inflessa

Prendiamo in considerazione la mensola di acciaio (E = 20.000 kN/cmq. e n = 0.25) delle dimensioni 48x4x1 cm, sollecitata all'estremità da un taglio di 40 kN, (L'esempio è riportato a pag. 121 del testo di C.A. BREBBIA e J.J. CONNOR.

Il limite superiore dello spostamento all' estremo caricato, ottenuto con la Teoria delle travi è pari a 0.53374 cm.

Nella tabella che segue vengono riportati i valori dello spostamento per vari tipi di elementi finiti e varie discretizzazioni.

**Risultati estratti dal Testo di Trebbia e Connor**

| Tipo di elemento | Numero elementi | Freccia di estremità | Errore % |
|---|---|---|---|
| Elemento triangolare a deformazione costante | 160<br>576 | 0.45834<br>0.51282 | 14.59<br>3.92 |
| Elemento triangolare a deformazione lineare | 160<br>576 | 0.53259<br>0.53353 | 0.22<br>0.04 |
| Elemento triangolare a deformazione quadratica | 68<br>214 | 0.53059<br>0.53259 | 0.17<br>0.22 |
| Elemento rettangolare di primo ordine | 160 | 0.51679 | 3.18 |
| Elemento rettangolare del terzo ordine | 52 | 0.52807 | 1.25 |

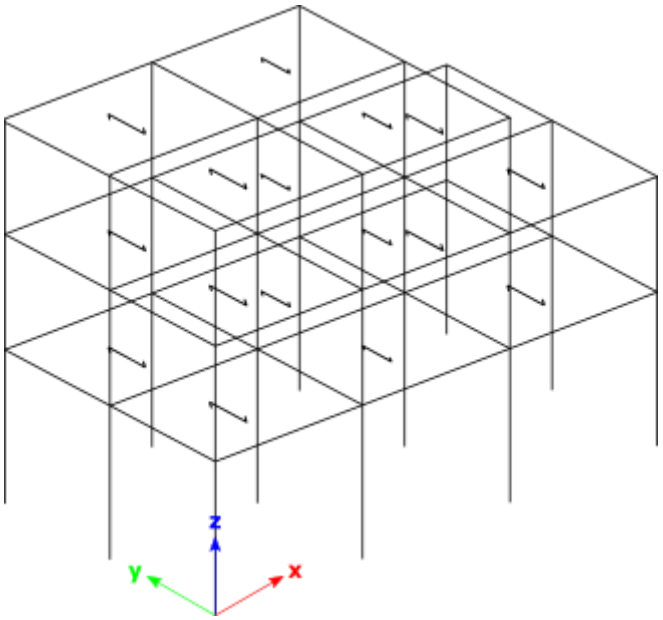
**Risultati del solutore di IperSpace**

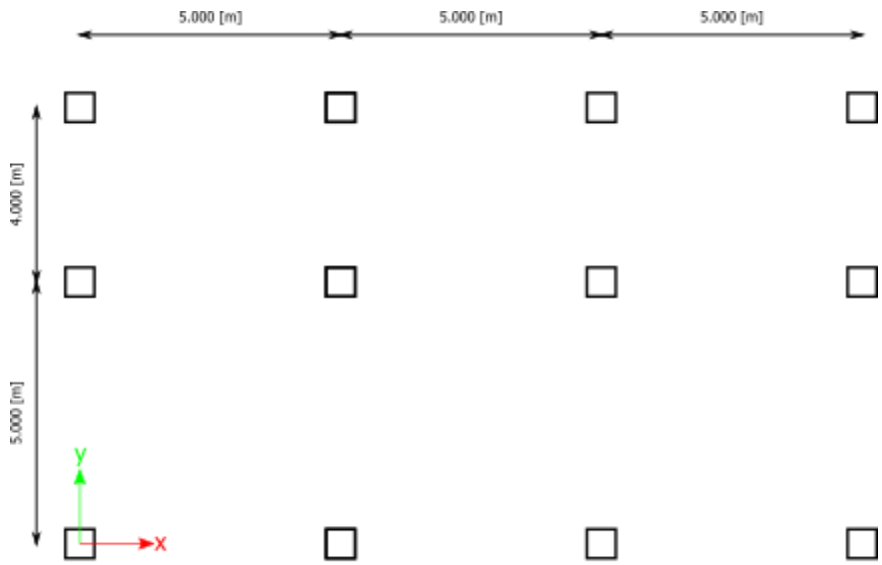
| Tipo di elemento | Numero elementi | Freccia di estremità | Errore % |
|---|---|---|---|
| Elemento rettangolare | 16 | 0.5198 | 2.60 |
| Elemento rettangolare | 36 | 0.5298 | 0.74 |
| Elemento rettangolare | 64 | 0.5311 | 0.49 |
| Elemento rettangolare | 100 | 0.5322 | 0.29 |
| Elemento rettangolare | 144 | 0.5328 | 0.18 |

L'elemento piastra consente, con una discretizzazione molto piccola (12x3, 36 elementi), di avere un errore inferiore all'1%. Per ottenere risultati simili occorre eseguire non solo discretizzazioni più spinte, ma scegliere anche elementi a deformazione quadratica o di ordine superiore. La risoluzione di questo problema di modellazione consente di evitare errori grossolani sulla stima di sforzi e deformazioni degli elementi bidimensionali.

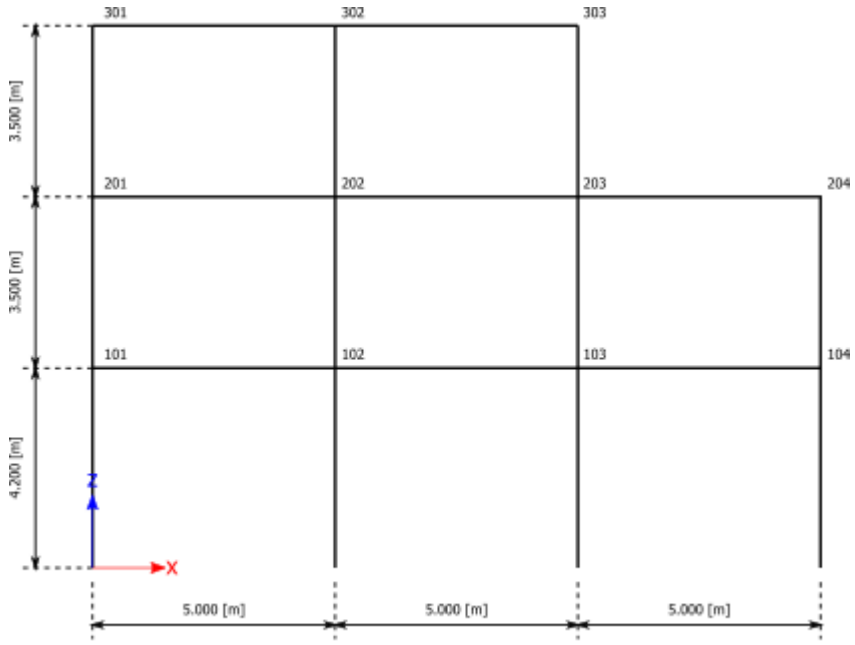
**CASO PROVA 4:** Analisi Dinamica

Si consideri la struttura a telaio riportata nelle successive figure, costituita da un materiale con modulo elastico E=250.000 dN/mq, nella quale le dimensioni delle sezioni trasversali dei pilastri sono pari a 50x50 cm al primo piano, 40x40 cm al secondo piano e 35x35 cm al terzo piano. Le dimensioni delle sezioni trasversali delle travi sono tutte 25x60.
I carichi gravitazionali sono tutti nulli a meno di un carico uniformemente distribuito, dato attraverso le aree di carico costituite dai solai, che sulla struttura è di 850 dN/m$^2$.

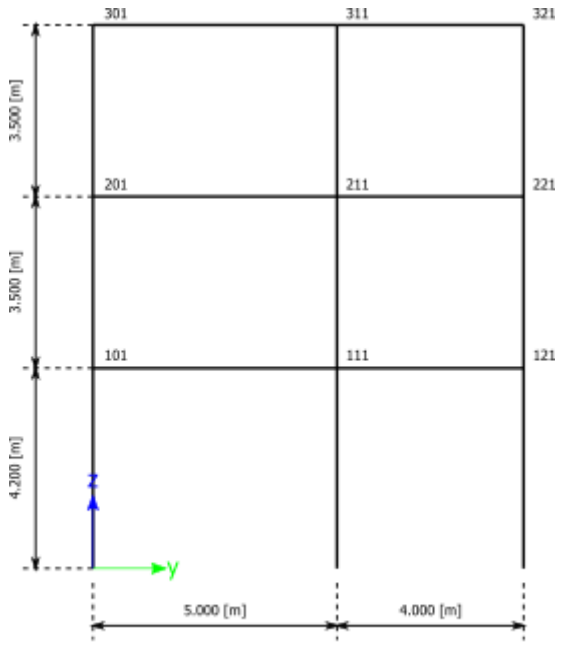



Pianta




Telaio 1




Telaio 4

Nell'ipotesi di telai shear-type, cioè con traversi infinitamente rigidi, il calcolo eseguito dai proff. Carlo Greco e Roberto Ramasco dell' Università di Napoli (esempio riportato nella pubblicazione PROGETTAZIONE E PARTICOLARI ESECUTIVI IN ZONA SISMICA – ed. ANCE), fornisce, per S=12, i seguenti risultati:

| Modo | Periodo in sec. | Spostamenti dir y dei nodi del telaio 4 in mm | |
|---|---|---|---|
| 1 | 0.3227 | piano primo | 1.204 |
| 2 | 0.3160 | piano secondo | 2.667 |
| 3 | 0.2175 | piano terzo | 4.332 |
| 4 | 0.1466 | | |
| 5 | 0.1450 | | |

I momenti nei pilastri del telaio 4, dovuti solo al primo modo di vibrare, (uguali al piede ed in testa di ogni pilastro, essendo i traversi infinitamente rigidi) sono: $M_1$=5309 dNm; $M_2$=3840 dNm; $M_3$=2622 dNm.

Risultati di IperSpace:

**a) traversi deformabili, cioè travi di sezione effettiva (25x60)**

| Modo | Periodo in sec | Spostamenti in mm dei nodi del pilastro N° 1 | |
|---|---|---|---|
| 1 | 0.431 | piano primo | 2.157 |
| 2 | 0.416 | piano secondo | 5.000 |
| 3 | 0.326 | piano terzo | 7.300 |
| 4 | 0.173 | | |
| 5 | 0.170 | | |

I momenti nel pilastro N° 1 (telaio N° 4), dovuti al primo modo (non più uguali in testa e piede come nel modello shear-type) sono :$M_{1max}$=6633 dNm; $M_{2max}$=3210 dNm: $M_{3max}$=2045 dNm.
Dai risultati si evince che ci sono le seguenti variazioni: 25 % circa sul periodo del primo modo di vibrare; 40% sullo spostamento del terzo piano; 20 % sul momento d'incastro al piede del piano primo.

**b) traversi rigidi (travi di sezione 200x200 e modulo 21000000 dN/mq)**

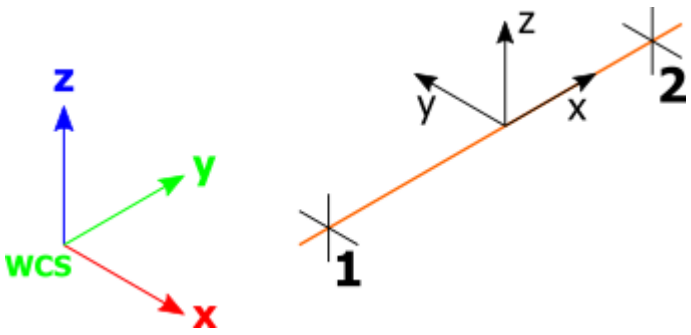
| Modo | Periodo in sec. | Spostamenti in mm dei nodi del pilastro N° 1 | |
|---|---|---|---|
| 1 | 0.326 | piano primo | 1.244 |
| 2 | 0.317 | piano secondo | 2.728 |
| 3 | 0.251 | piano terzo | 4.203 |
| 4 | 0.151 | | |
| 5 | 0.148 | | |

I momenti nel pilastro N° 1, dovuti al primo modo (uguali in testa e piede) sono: $M_1$=5509 dNm; $M_2$=3878 dNm; $M_3$=2258 dNm.
In questo caso le variazioni sono contenute entro il *3* %. E' da presupporre che esse siano dovute essenzialmente al differente tipo di arrotondamento praticato tra il calcolo manuale ed il calcolo numerico, nonchè al fatto che il calcolo eseguito da IperSpace è di tipo spaziale.

Si può concludere che il test eseguito in IperSpace sia nettamente positivo. Inoltre la qualità della soluzione del modello shear-type fornisce risultati tanto più grossolani quanto più ci si allontana dall'ipotesi di traversi infinitamente rigidi.

## Presentazione dei risultati

I disegni dello schema statico adottato sono riportati nel fascicolo allegato alla presente relazione. E' stato impiegato il Sistema Internazionale per le unità di misura, con riferimento al daN per le forze.




Il sistema di riferimento globale rispetto al quale è stata riferita l'intera struttura è una terna di assi cartesiani sinistrorsa OXYZ (X,Y, e Z sono disposti e orientati rispettivamente secondo il pollice, l'indice ed il medio della mano destra, una volta posizionati questi ultimi a 90° tra loro). La terna di riferimento locale per un'asta è anch'essa una terna sinistrorsa O'xyz che ha l'asse x orientato dal nodo iniziale I dell'asta verso il nodo finale J e gli assi y e z diretti secondo gli assi geometrici della sezione, con l'asse y orizzontale e orientato in modo da portarsi a coincidere con l'asse x a mezzo di una rotazione oraria di 90° e l'asse z di conseguenza.

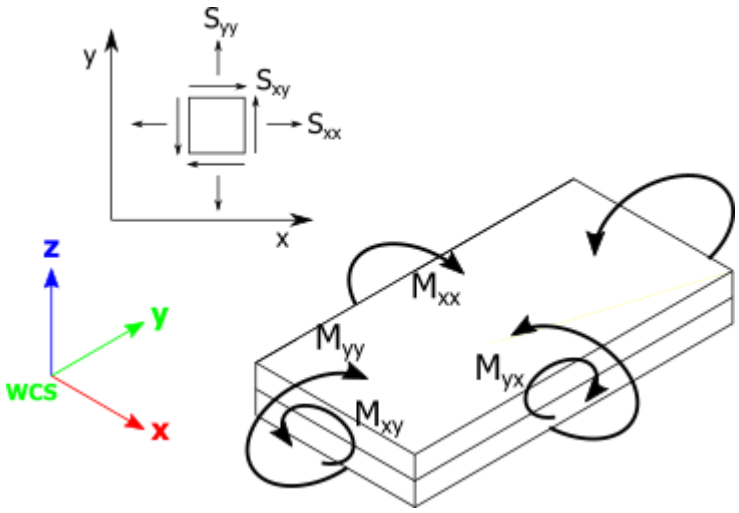
Per un'asta comunque disposta nello spazio la sua terna locale è orientata in modo tale da portarsi a coincidere con la terna globale a mezzo di rotazioni orarie degli assi locali inferiori a 180°.

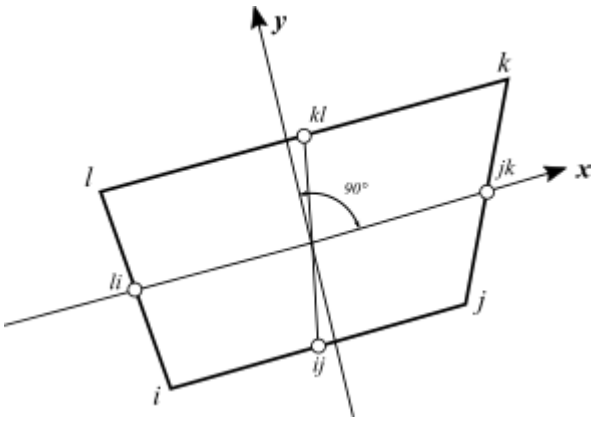
- Le forze, sia sulle aste che sulle pareti o lastre, sono positive se opposte agli assi locali.
- Le forze nodali sono positive se opposte agli assi globali.
- Le coppie sono positive se sinistrorse.

Le caratteristiche di sollecitazione sono positive se sulla faccia di normale positiva sono rappresentate da vettori equiversi agli assi di riferimento locali; in particolare il vettore momento positivo rappresenta una coppia che ruota come le dita della mano destra che si chiudono quando il pollice è equiverso all'asse locale.

- Le traslazioni sono positive se concordi con gli assi globali.
- Le rotazioni sono positive se sinistrorse.

Il sistema di riferimento locale per gli elementi bidimensionali è quello riportato nelle figure seguenti.




La terna locale per l'elemento shell è costituita dall'asse x locale che va dal nodo li al nodo jk, l'asse y è diretto secondo il piano dell'elemento e orientato verso il nodo i e l'asse z, di conseguenza, è orientato in modo da formare la solita terna sinistrorsa. L'asse z locale rappresenta la normale positiva all'elemento.
Le sollecitazioni dell'elemento sono:

- Sforzi membranali
  - $S_{xx} = \sigma_x$
  - $S_{yy} = \sigma_y$
  - $S_{xy} = \tau_{xy}$
- Sforzi flessionali (momenti)
  - $M_{xx}$, momento che genera $\sigma_x$ (intorno ad y)
  - $M_{yy}$, momento che genera $\sigma_y$ (intorno a x)

$M_{xy}$, momento torcente che genera $\tau_{xy}$

Le sollecitazioni principali dell'elemento sono:

$$M_{1,2} = \frac{M_{xx} + M_{yy}}{2} \pm \sqrt{\left(\frac{M_{xx} - M_{yy}}{2}\right)^2 + M_{xy}^2}$$

$$S_{1,2} = \frac{S_{xx} + S_{yy}}{2} \pm \sqrt{\left(\frac{S_{xx} - S_{yy}}{2}\right)^2 + S_{xy}^2}$$

$$\tan 2\theta = \frac{M_{xy}}{M_{xx} - M_{yy}} \qquad \tan 2\psi = \frac{S_{xy}}{S_{xx} - S_{yy}}$$

dove $\theta$ è l'angolo formato dagli assi principali di $M_1$ e $M_2$ con quelli di riferimento e $\psi$ è l'angolo formato dagli assi principali di $S_1$ e $S_2$ con quelli di riferimento. L'elemento shell usato come piastra fornisce i momenti flettenti e non i tagli in direzione ortogonale all'elemento, che possono ottenersi come derivazione dei momenti flettenti;

$\tau zx = Mxx,x + Mxy,y$

$\tau zy = Mxy,y + Myy,y$

Quando invece viene usato come lastra ci restituisce valori di $\sigma$ e $\tau$ costanti, non adatti a rappresentare momenti flettenti, ma solo sforzi normali e tagli nel piano della lastra.

I tabulati di calcolo contengono due sezioni principali: la descrizione del modello di calcolo e la presentazione dei risultati.
La descrizione del modello di calcolo contiene:

- i dati generali (dimensioni);
- le coordinate nodali;
- i vincoli dei nodi e i vincoli interni delle aste, con le eventuali sconnessioni;
- le caratteristiche sezionali;
- le caratteristiche dei solai;
- le caratteristiche delle aste;
- i carichi sulle aste, sui nodi e sui muri (inclusa la distribuzione delle distorsioni impresse, e delle variazioni e dei gradienti di temperatura);
- configurazione di sistemi che introducono stati coattivi;
- le caratteristiche dei materiali;
- legami costitutivi e criteri di verifica;
- le condizioni di carico.

La stampa dei risultati contiene:

- le combinazioni dei carichi;
- le forze sismiche agenti sulla struttura;
- gli spostamenti d'impalcato, se l'impalcato è rigido;
- gli spostamenti nodali;
- le sollecitazioni sulle membrature per ogni combinazione di carico;
- la sollecitazione sul terreno sotto travi di fondazione o platee;
- deformate;
- diagrammi sollecitazioni.

# Tabulati di input

# Dati generali

| | |
|---|---|
| Nome struttura | Struttura_01 |
| Fattore rigidezza assiale pilastri | 1 |

| | |
|---|---|
| Numero di frequenze | 15 |
| % Filtro masse libere | 0.1 |
| % Coefficiente di smorzamento viscoso | 5 |
| Spostamenti modali con segno | Si |
| Deformabilità a taglio delle aste | Si |
| Spostamento ammissibile impalcati | 0.0030*h |

## Impalcati

| N° | Quota | Rigido | Incr.Soll.Pil | Inc.Soll.Par. |
|---|---|---|---|---|
| | mm | mm | | |
| 0 | 0 | No | 1.000 | 1.000 |
| 1 | 4600 | Si | 1.000 | 1.000 |
| 2 | 9200 | Si | 1.000 | 1.000 |
| 3 | 12700 | Si | 1.000 | 1.000 |

## Percentuali Spostamento masse impalcati

| Posizione | % Spostamento direzione X | % Spostamento direzione Y |
|---|---|---|
| 1 | 0 | -5 |
| 2 | 5 | 0 |
| 3 | 0 | 5 |
| 4 | -5 | 0 |

## Combinazioni del Sisma in X e Y e Verticale

| Comb. | Pos. SismaX | Pos. SismaY | Fx | Fy | Fz |
|---|---|---|---|---|---|
| 1 | 1 | 2 | 1 | 0.3 | 0 |
| 2 | 1 | 2 | 0.3 | 1 | 0 |
| 3 | 1 | 4 | 1 | 0.3 | 0 |
| 4 | 1 | 4 | 0.3 | 1 | 0 |
| 5 | 3 | 2 | 1 | 0.3 | 0 |
| 6 | 3 | 2 | 0.3 | 1 | 0 |
| 7 | 3 | 4 | 1 | 0.3 | 0 |
| 8 | 3 | 4 | 0.3 | 1 | 0 |

Comb. Numero di combinazione dei sismi
Pos. SismaX Posizione in cui viene scelto il sisma in direzione X
Pos. SismaY Posizione in cui viene scelto il sisma in direzione Y
Fx Fattore con cui il sisma X partecipa
Fy Fattore con cui il sisma Y partecipa
Fz Fattore con cui il sisma Verticale partecipa (quando richiesto)

Ogni combinazione genera al massimo 8 sotto-combinazioni in base a tutte le combinazioni possibili dei segni di Fx ed Fy ed Fz.

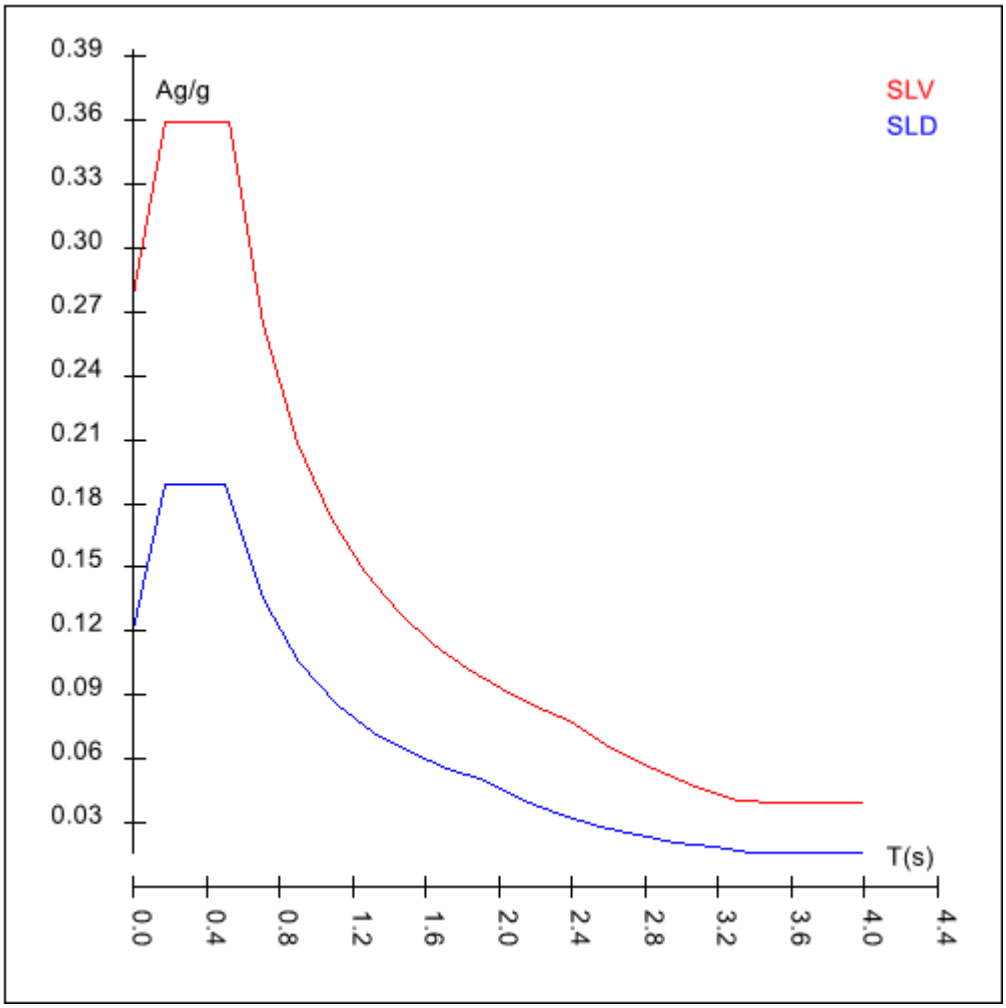
## Spettri di risposta

Spettro: **Spettro_NT2018**
Il calcolo degli spettri e del fattore di comportamento sono stati calcolati per la seguente tipologia di terreno e struttura.

| **Vita della struttura** | |
|---|---|
| Tipo | Opere ordinarie (50-100) |
| Vita nominale VN [anni] | 50.0 |
| Classe d'uso | IV |
| Coefficiente d'uso CU | 2.000 |
| Periodo di riferimento VR [anni] | 100.000 |
| Probabilità di superamento PVR allo Stato limite di esercizio - SLD | 63.0% |
| Probabilità di superamento PVR allo Stato limite ultimo - SLV | 10.0% |

| | |
|---|---|
| Periodo di ritorno TR SLD [anni] | 101.0 |
| Periodo di ritorno TR SLV [anni] | 949.1 |
| **Parametri del sito** | |
| Comune | Calvizzano (NA) |
| Longitudine | 14.1896 |
| Latitudine | 40.9075 |
| Id reticolo del sito | 32978-32756-32977-32755 |
| **Valori di riferimento del sito** | |
| Accelerazione orizzontale massima del sito Ag/g - SLD (TR=101.0) | 0.0803 |
| Fattore di amplificazione dello spettro Fo - SLD (TR=101.0) | 2.3572 |
| Periodo di riferimento di inizio del tratto a velocità costante T*C [s] - SLD (TR=101.0) | 0.335 |
| Accelerazione orizzontale massima del sito Ag/g - SLV (TR=949.1) | 0.1966 |
| Fattore di amplificazione dello spettro Fo - SLV (TR=949.1) | 2.4499 |
| Periodo di riferimento di inizio del tratto a velocità costante T*C [s] - SLV (TR=949.1) | 0.350 |
| Coefficiente Amplificazione Topografica St | 1.000 |
| Categoria terreno | C |
| **Stato limite SLV** | |
| Coefficiente di amplificazione stratigrafica Ss | 1.41 |
| Periodo di inizio del tratto ad accelerazione costante dello spettro TB [s] | 0.17 |
| Periodo di inizio del tratto a velocità costante dello spettro TC [s] | 0.52 |
| Periodo di inizio del tratto a spostamento costante dello spettro TD [s] | 2.39 |
| **Stato limite SLD** | |
| Coefficiente di amplificazione stratigrafica Ss | 1.50 |
| Periodo di inizio del tratto ad accelerazione costante dello spettro TB [s] | 0.17 |
| Periodo di inizio del tratto a velocità costante dello spettro TC [s] | 0.50 |
| Periodo di inizio del tratto a spostamento costante dello spettro TD [s] | 1.92 |
| **Fattore di comportamento (SLV)** | |
| Classe duttilità | B |
| Tipo progettazione | Dissipativa |
| Tipo struttura | Muratura |
| Fattore di riduzione per regolarità in altezza Kr- Struttura non regolare | 0.800000 |
| Fattore di riduzione per rottura pareti Kw | 1.000 |
| Regolare in pianta | NO (cfr.NTC7.3.1) |
| Coefficiente moltiplicativo Ce - Costruzioni in muratura ordinaria | 1.750 |
| Au/A1 - Muratura ordinaria | 1.700 |
| Fattore di comportamento q = Kw*Kr*q0=Kw*Kr*Ce*(1+Au/A1)/2 | 1.890 |
| **Fattore di comportamento (SLD)** | |
| q | 1.500 |

| **T SLV** [s] | **Sd SLV**[a/g] | **T SLD** [s] | **Sd SLD**[a/g] |
|---|---|---|---|
| 0.00000 | 0.27740 | 0.00000 | 0.12040 |
| 0.17316 | 0.35958 | 0.16820 | 0.18921 |
| 0.51949 | 0.35958 | 0.50459 | 0.18921 |
| 0.70618 | 0.26452 | 0.70695 | 0.13505 |
| 0.89287 | 0.20921 | 0.90930 | 0.10500 |
| 1.07956 | 0.17303 | 1.11165 | 0.08588 |
| 1.26625 | 0.14752 | 1.31401 | 0.07266 |
| 1.45294 | 0.12856 | 1.51636 | 0.06296 |
| 1.63963 | 0.11393 | 1.71872 | 0.05555 |
| 1.82632 | 0.10228 | 1.92107 | 0.04970 |
| 2.01301 | 0.09279 | 2.12896 | 0.04047 |
| 2.19970 | 0.08492 | 2.33686 | 0.03359 |
| 2.38639 | 0.07828 | 2.54475 | 0.02832 |
| 2.61691 | 0.06509 | 2.75264 | 0.02421 |
| 2.84742 | 0.05498 | 2.96053 | 0.02093 |
| 3.07794 | 0.04705 | 3.16843 | 0.01827 |
| 3.30845 | 0.04072 | 3.37632 | 0.01609 |
| 3.53897 | 0.03932 | 3.58421 | 0.01605 |
| 3.76948 | 0.03932 | 3.79211 | 0.01605 |
| 4.00000 | 0.03932 | 4.00000 | 0.01605 |




## Caratteristiche del terreno

| Strato n° | Spessore | γ | γSat | ϕ | Addensato | OCR | Coesione | Cu | E | ν |
|---|---|---|---|---|---|---|---|---|---|---|
| | cm | kg/mc | kg/mc | ° | | | kg/cmq | kg/cmq | kg/cmq | |
| Terreno1: Cost.Winkler=2.00 kg/cmc - Falda assente | | | | | | | | | | |
| 1 | 360 | 1 | 1844 | 22 | No | -- | 0.00 | 0.00 | 3E01 | 0.30 |
| 2 | 120 | 1350 | 1834 | 20 | No | -- | 0.00 | 0.00 | 3E01 | 0.30 |
| 3 | 120 | 1618 | 1863 | 26 | No | -- | 0.00 | 0.00 | 4E01 | 0.30 |
| 4 | 420 | 1795 | 1902 | 29 | No | -- | 0.00 | 0.00 | 5E01 | 0.30 |

## Materiali

| **Materiali** | | |
|---|---|---|
| **C25/30** | | |
| Peso specifico | kg/mc | 2500 |
| Modulo di Young E | kg/cmq | 3E05 |
| Modulo di Poisson ν | | 0.13 |
| Coefficiente di dilatazione termica λ | 1/°C | 1e-05 |
| **Materiale: Tufo vulcanico** | | |
| Peso specifico | kg/mc | 1600 |
| Modulo di Young E | kg/cmq | 1E04 |
| Coefficiente di dilatazione termica | 1/°C | 1e-05 |
| Modulo elastico tangenziale G | kg/cmq | 4E02 |
| Riduzione Modulo di Young | | 1.00 |
| Riduzione Modulo elastico tangenziale | | 1.00 |

| **Materiale: Poroton** | | |
|---|---|---|
| Peso specifico | kg/mc | 1000 |
| Modulo di Young E | kg/cmq | 1E04 |
| Coefficiente di dilatazione termica | 1/°C | 1e-05 |
| Modulo elastico tangenziale G | kg/cmq | 6E02 |
| Riduzione Modulo di Young | | 1.00 |
| Riduzione Modulo elastico tangenziale | | 1.00 |

# Nodi - Geometria e vincoli

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| | Coordinate [mm] | | | Vincoli | | | | | | |
| 1 | 50640 | 0 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | -1 |
| 1 | 30640 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 2 | 50640 | 0 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | -1 |
| 3 | 26895 | 201 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 5 | 24502 | 329 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 8 | 18993 | 625 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 10 | 13459 | 1480 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 12 | 26971 | 2292 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 14 | 7689 | 2371 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 15 | 24617 | 2416 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 18 | 3806 | 2970 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 19 | 3215 | 3509 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 21 | 24747 | 4765 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 23 | 23743 | 4817 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 26 | 1736 | 4855 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 28 | 18728 | 5076 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 30 | 23710 | 5215 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 31 | 1151 | 5388 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 35 | 30967 | 6251 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 37 | 27121 | 6401 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 39 | 24841 | 6489 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 41 | 18641 | 6542 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 44 | 24876 | 7119 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 46 | 13835 | 7296 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 49 | 8533 | 8129 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 52 | 8006 | 8211 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 54 | 23455 | 8279 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 55 | 22905 | 8283 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 56 | 19105 | 8313 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 58 | 18535 | 8317 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 59 | 18042 | 8399 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 62 | 3825 | 8868 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 65 | 14293 | 9021 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 66 | 13949 | 9078 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 69 | 13455 | 9161 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 70 | 1021 | 9308 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 73 | 0 | 9468 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 74 | 9459 | 9824 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 75 | 8838 | 9927 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 77 | 8275 | 10021 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 78 | 23294 | 10198 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 79 | 25055 | 10364 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 81 | 5988 | 10401 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 83 | 6000 | 10600 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 84 | 4280 | 10684 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 86 | 31200 | 10710 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 88 | 3962 | 10737 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 90 | 25076 | 10746 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 91 | 23248 | 10756 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 98 | 44265 | 11525 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 49602 | 11858 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 101 | 50640 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 104 | 44156 | 12871 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 105 | 49484 | 13052 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 108 | 6194 | 13694 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 109 | 6218 | 14079 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 110 | 5859 | 14090 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 112 | 24824 | 14124 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 113 | 4510 | 14130 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 114 | 4210 | 14139 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 119 | 31066 | 14210 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 122 | 0 | 14262 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 123 | 6251 | 14592 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 125 | 49203 | 15888 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 128 | 22778 | 16384 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 130 | 30979 | 16481 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 132 | 24644 | 16540 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 134 | 32965 | 16565 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 136 | 43846 | 16718 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 138 | 22729 | 16975 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 140 | 49071 | 17223 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 146 | 43780 | 17536 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 148 | 43093 | 17576 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 149 | 6445 | 17686 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 150 | 6479 | 18234 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 151 | 6165 | 18256 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 152 | 4818 | 18350 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 153 | 4519 | 18371 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 155 | 6514 | 18784 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 156 | 24418 | 19566 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 160 | 30853 | 19765 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 162 | 42934 | 19770 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 163 | 32838 | 19826 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 168 | 42832 | 21167 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 170 | 22339 | 21658 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 173 | 6717 | 22028 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 175 | 24231 | 22077 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 176 | 22301 | 22114 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 178 | 21768 | 22124 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 179 | 19014 | 22177 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 182 | 17415 | 22208 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 184 | 14493 | 22264 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 185 | 11316 | 22325 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 188 | 9716 | 22356 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 189 | 6741 | 22413 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 191 | 4817 | 22450 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 194 | 0 | 22733 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 197 | 48494 | 23065 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 198 | 14493 | 23084 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 199 | 43969 | 23110 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 200 | 43069 | 23119 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 201 | 42690 | 23122 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 204 | 36826 | 23181 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 207 | 34019 | 23208 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 209 | 32819 | 23220 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 213 | 30719 | 23241 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 217 | 21616 | 23995 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 224 | 24084 | 24046 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 231 | 30683 | 24184 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 232 | 36801 | 24379 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 235 | 48299 | 25029 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 242 | 42456 | 26353 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 246 | 42369 | 27550 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 247 | 36733 | 27678 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 14493 | 28134 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 252 | 46000 | 28791 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 253 | 43608 | 28813 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 254 | 42708 | 28822 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 255 | 42276 | 28825 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 259 | 36708 | 28878 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 261 | 30501 | 28936 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 263 | 21209 | 29022 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 267 | 14493 | 29084 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 269 | 7164 | 29152 | -0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 271 | 5308 | 29169 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 273 | 0 | 29219 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 275 | 37052 | 34017 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 278 | 42676 | 34232 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 279 | 42708 | 28822 | 2250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 280 | 43608 | 28813 | 2250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 281 | 14493 | 28134 | 1650 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 282 | 14493 | 28048 | 2077 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 283 | 14493 | 27796 | 2475 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 284 | 14493 | 27395 | 2817 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 285 | 14493 | 26872 | 3079 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 286 | 14493 | 26262 | 3244 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 287 | 14493 | 25609 | 3300 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 288 | 14493 | 24955 | 3244 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 289 | 14493 | 24346 | 3079 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 290 | 14493 | 23823 | 2817 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 291 | 14493 | 23422 | 2475 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 292 | 14493 | 23169 | 2077 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 293 | 14493 | 23084 | 1647 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 294 | 23455 | 8279 | 2750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 295 | 22905 | 8283 | 3300 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 296 | 22840 | 8284 | 3533 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 297 | 22651 | 8285 | 3750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 298 | 22349 | 8288 | 3936 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 299 | 21955 | 8291 | 4079 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 300 | 21497 | 8294 | 4169 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 301 | 21005 | 8298 | 4200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 302 | 20513 | 8302 | 4169 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 303 | 20055 | 8305 | 4079 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 304 | 19661 | 8308 | 3936 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 305 | 19359 | 8311 | 3750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 306 | 19169 | 8312 | 3533 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 307 | 19105 | 8313 | 3298 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 308 | 18042 | 8399 | 3300 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 309 | 17978 | 8410 | 3533 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 310 | 17791 | 8441 | 3750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 311 | 17493 | 8490 | 3936 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 312 | 17105 | 8555 | 4079 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 313 | 16653 | 8630 | 4169 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 314 | 16167 | 8710 | 4200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 315 | 15682 | 8791 | 4169 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 316 | 15230 | 8866 | 4079 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 317 | 14842 | 8930 | 3936 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 318 | 14544 | 8980 | 3750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 319 | 14356 | 9011 | 3533 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 320 | 14293 | 9021 | 3298 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 321 | 13455 | 9161 | 3100 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 322 | 13387 | 9172 | 3320 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 323 | 13187 | 9205 | 3525 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 324 | 12870 | 9258 | 3701 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 325 | 12456 | 9326 | 3836 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 326 | 11974 | 9407 | 3921 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 327 | 11457 | 9492 | 3950 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 328 | 10940 | 9578 | 3921 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 329 | 10458 | 9658 | 3836 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 330 | 10044 | 9727 | 3701 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 331 | 9727 | 9780 | 3525 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 332 | 9526 | 9813 | 3320 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 333 | 9459 | 9824 | 3098 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 334 | 8275 | 10021 | 3100 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 335 | 8207 | 10032 | 3320 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 336 | 8008 | 10065 | 3525 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 337 | 7691 | 10118 | 3701 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 338 | 7277 | 10186 | 3836 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 339 | 6795 | 10267 | 3921 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 340 | 6278 | 10352 | 3950 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 341 | 5988 | 10401 | 3934 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 342 | 5761 | 10438 | 3921 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 343 | 5279 | 10518 | 3836 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 344 | 4865 | 10587 | 3701 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 345 | 4548 | 10640 | 3525 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 346 | 4347 | 10673 | 3320 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 347 | 4280 | 10684 | 3098 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 348 | 3215 | 3509 | 3600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 349 | 1736 | 4855 | 3600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 350 | 49484 | 13052 | 3050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 351 | 49203 | 15888 | 3050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 352 | 36733 | 27678 | 3100 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 353 | 36801 | 24379 | 3100 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 354 | 32819 | 23220 | 2850 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 355 | 34019 | 23208 | 2850 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 356 | 43069 | 23119 | 2250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 357 | 43969 | 23110 | 2250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 358 | 42934 | 19770 | 2700 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 359 | 42832 | 21167 | 2700 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 360 | 42456 | 26353 | 2250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 361 | 42369 | 27550 | 2250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 362 | 44156 | 12871 | 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 363 | 44151 | 12936 | 2620 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 364 | 44136 | 13128 | 2825 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 365 | 44111 | 13434 | 3001 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 366 | 44079 | 13833 | 3136 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 367 | 44041 | 14297 | 3221 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 368 | 44001 | 14794 | 3250 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 369 | 43961 | 15293 | 3221 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 370 | 43924 | 15756 | 3136 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 371 | 43891 | 16155 | 3001 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 372 | 43867 | 16461 | 2825 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 373 | 43851 | 16653 | 2620 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 374 | 43846 | 16718 | 2398 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 375 | 23710 | 5215 | 2750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 376 | 23294 | 10198 | 2750 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 377 | 22729 | 16975 | 2450 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 378 | 22723 | 17054 | 2812 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 379 | 22703 | 17289 | 3150 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 380 | 22672 | 17660 | 3440 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 381 | 22632 | 18146 | 3662 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 382 | 22585 | 18711 | 3802 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 383 | 22534 | 19317 | 3850 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 384 | 22484 | 19923 | 3802 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 385 | 22437 | 20488 | 3662 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 386 | 22396 | 20973 | 3440 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 387 | 22365 | 21346 | 3150 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 388 | 22346 | 21580 | 2812 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 389 | 22339 | 21658 | 2447 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 390 | 6000 | 10600 | 2950 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 391 | 6004 | 10653 | 3261 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 392 | 6013 | 10808 | 3550 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 393 | 6029 | 11053 | 3799 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 394 | 6049 | 11374 | 3989 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 395 | 6072 | 11747 | 4109 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 396 | 6097 | 12147 | 4150 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 397 | 6123 | 12547 | 4109 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 398 | 6146 | 12921 | 3989 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 399 | 6166 | 13241 | 3799 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 400 | 6182 | 13487 | 3550 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 401 | 6191 | 13642 | 3261 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 402 | 6194 | 13694 | 2946 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 403 | 6251 | 14592 | 2950 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 404 | 6254 | 14645 | 3261 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 405 | 6264 | 14800 | 3550 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 406 | 6279 | 15045 | 3799 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 407 | 6299 | 15366 | 3989 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 408 | 6323 | 15739 | 4109 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 409 | 6348 | 16139 | 4150 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 410 | 6373 | 16539 | 4109 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 411 | 6396 | 16913 | 3989 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 412 | 6416 | 17233 | 3799 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 413 | 6432 | 17480 | 3550 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 414 | 6442 | 17634 | 3261 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 415 | 6445 | 17686 | 2946 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 416 | 6514 | 18784 | 2700 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 417 | 6517 | 18839 | 3088 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 418 | 6527 | 19002 | 3450 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 419 | 6544 | 19259 | 3761 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 420 | 6565 | 19595 | 3999 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 421 | 6589 | 19987 | 4149 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 422 | 6615 | 20406 | 4200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 423 | 6642 | 20826 | 4149 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 424 | 6666 | 21217 | 3999 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 425 | 6687 | 21554 | 3761 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 426 | 6704 | 21811 | 3450 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 427 | 6714 | 21973 | 3088 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 428 | 6717 | 22028 | 2696 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 429 | 4818 | 18350 | 2480 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 430 | 4841 | 18348 | 2661 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 431 | 4908 | 18344 | 2830 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 432 | 5016 | 18336 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 433 | 5156 | 18327 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 434 | 5317 | 18315 | 3156 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 435 | 5492 | 18303 | 3180 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 436 | 5666 | 18291 | 3156 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 437 | 5829 | 18279 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 438 | 5969 | 18270 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 439 | 6075 | 18262 | 2830 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 440 | 6143 | 18257 | 2661 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 441 | 6165 | 18256 | 2475 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 442 | 4510 | 14130 | 2480 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 443 | 4533 | 14129 | 2661 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 444 | 4600 | 14127 | 2830 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 445 | 4708 | 14124 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 446 | 4848 | 14120 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 447 | 5010 | 14115 | 3156 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 448 | 5185 | 14110 | 3180 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 449 | 5360 | 14105 | 3156 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 450 | 5522 | 14100 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 451 | 5662 | 14096 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 452 | 5769 | 14092 | 2830 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 453 | 5837 | 14090 | 2661 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 454 | 5859 | 14090 | 2475 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 455 | 9716 | 22356 | 2650 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 456 | 9743 | 22355 | 2818 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 457 | 9823 | 22354 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 458 | 9950 | 22351 | 3110 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 459 | 10116 | 22348 | 3213 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 460 | 10309 | 22344 | 3278 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 461 | 10516 | 22341 | 3300 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 462 | 10723 | 22337 | 3278 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 463 | 10916 | 22333 | 3213 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 464 | 11082 | 22330 | 3110 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 465 | 11209 | 22327 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 466 | 11289 | 22326 | 2818 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 467 | 11316 | 22325 | 2646 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 468 | 17415 | 22208 | 2650 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 469 | 17442 | 22207 | 2818 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 470 | 17522 | 22206 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 471 | 17649 | 22203 | 3110 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 472 | 17815 | 22200 | 3213 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 473 | 18008 | 22197 | 3278 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 474 | 18215 | 22193 | 3300 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 475 | 18421 | 22189 | 3278 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 476 | 18614 | 22185 | 3213 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 477 | 18780 | 22182 | 3110 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 478 | 18907 | 22179 | 2975 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 479 | 18987 | 22178 | 2818 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 480 | 19014 | 22177 | 2646 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 481 | 24876 | 7119 | 2700 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 482 | 24879 | 7174 | 3088 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 483 | 24888 | 7337 | 3450 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 484 | 24902 | 7594 | 3761 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 485 | 24921 | 7931 | 3999 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 486 | 24942 | 8322 | 4149 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 487 | 24966 | 8742 | 4200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 488 | 24989 | 9162 | 4149 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 489 | 25010 | 9553 | 3999 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 490 | 25029 | 9890 | 3761 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 491 | 25043 | 10147 | 3450 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 492 | 25052 | 10309 | 3088 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 493 | 25055 | 10364 | 2696 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 494 | 5308 | 29169 | 400 | 0 | 0 | 0 | 0 | 0 | 0 | -1 |
| 495 | 5308 | 29169 | 800 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 496 | 5308 | 29169 | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 497 | 5308 | 29169 | 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 498 | 5308 | 29169 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 499 | 5308 | 29169 | 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 500 | 5308 | 29169 | 2800 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 501 | 5308 | 29169 | 3200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 502 | 5308 | 29169 | 3600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 503 | 5308 | 29169 | 4000 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1004 | 26895 | 201 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1006 | 24502 | 329 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1007 | 18993 | 625 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1009 | 13459 | 1480 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1011 | 26971 | 2292 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1012 | 30640 | 0 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1013 | 7689 | 2370 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1016 | 24617 | 2416 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1017 | 3806 | 2970 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1020 | 24747 | 4765 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1022 | 24121 | 4797 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1024 | 23743 | 4817 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1025 | 23222 | 4844 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1027 | 24758 | 4972 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1029 | 18728 | 5076 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1032 | 1151 | 5388 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1033 | 24824 | 6171 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 1034 | 30967 | 6251 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1036 | 27121 | 6400 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1038 | 24841 | 6489 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1040 | 18641 | 6542 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1042 | 17980 | 6646 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1043 | 16794 | 6832 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1045 | 24876 | 7119 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1046 | 13835 | 7296 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1047 | 13189 | 7398 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1048 | 12003 | 7584 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1050 | 8534 | 8129 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1051 | 8006 | 8211 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1053 | 23455 | 8279 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1057 | 18535 | 8317 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1060 | 5977 | 8530 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1061 | 4791 | 8716 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1063 | 3825 | 8868 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1064 | 3161 | 8972 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1067 | 13949 | 9079 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1068 | 1976 | 9158 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1071 | 1021 | 9308 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1072 | 0 | 9468 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1076 | 8838 | 9927 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1080 | 25055 | 10364 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1082 | 5988 | 10401 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1085 | 31200 | 10710 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1087 | 3962 | 10737 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1089 | 25076 | 10746 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1091 | 23248 | 10756 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1093 | 32098 | 10766 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1094 | 32997 | 10822 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1095 | 33496 | 10853 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1096 | 3985 | 11062 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1097 | 44265 | 11525 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1099 | 49602 | 11858 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1102 | 31141 | 12259 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1103 | 4091 | 12508 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1107 | 31095 | 13458 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1109 | 6218 | 14079 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1111 | 24824 | 14124 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1114 | 4210 | 14139 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1115 | 3449 | 14161 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1116 | 28866 | 14180 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1117 | 2249 | 14196 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1118 | 30066 | 14196 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1120 | 31066 | 14210 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1121 | 0 | 14262 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1124 | 4306 | 15450 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1127 | 30991 | 16156 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1129 | 22779 | 16384 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1131 | 30979 | 16481 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1133 | 24644 | 16540 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1135 | 32965 | 16565 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1137 | 4411 | 16896 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1139 | 49071 | 17223 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1141 | 30945 | 17355 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1143 | 45078 | 17459 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1144 | 44180 | 17512 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1145 | 43780 | 17535 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1147 | 43093 | 17576 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1150 | 6479 | 18234 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1154 | 4519 | 18371 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1157 | 24418 | 19566 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1158 | 28654 | 19697 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 1159 | 29853 | 19734 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1161 | 30853 | 19765 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1164 | 32838 | 19826 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1165 | 4634 | 19938 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1167 | 30823 | 20553 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1169 | 4739 | 21384 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1172 | 30777 | 21752 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1174 | 24231 | 22077 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1176 | 22301 | 22114 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1178 | 21768 | 22124 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1180 | 18814 | 22181 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1181 | 17615 | 22204 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1183 | 14493 | 22264 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1186 | 11116 | 22329 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1187 | 9916 | 22352 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1189 | 6741 | 22413 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1190 | 4817 | 22450 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1192 | 4093 | 22493 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1193 | 2895 | 22563 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1195 | 0 | 22733 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1196 | 48493 | 23065 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1198 | 14493 | 23084 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1201 | 42690 | 23122 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1203 | 36826 | 23181 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1205 | 35619 | 23193 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1206 | 34419 | 23204 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1208 | 33132 | 23217 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1210 | 32632 | 23222 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1211 | 31432 | 23234 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1212 | 30719 | 23241 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1214 | 6820 | 23660 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1215 | 4919 | 23847 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1216 | 21616 | 23994 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1219 | 22216 | 24007 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1222 | 23666 | 24038 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1223 | 24084 | 24046 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1226 | 28315 | 24135 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1228 | 29515 | 24160 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1229 | 30683 | 24184 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1232 | 36801 | 24379 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1233 | 21540 | 24935 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1236 | 48299 | 25029 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1237 | 42544 | 25135 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1238 | 30644 | 25199 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1240 | 21443 | 26131 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1243 | 30598 | 26398 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1245 | 42443 | 26531 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1247 | 36733 | 27678 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1248 | 5210 | 27836 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1249 | 7092 | 28002 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1250 | 14493 | 28134 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1251 | 46000 | 28791 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1256 | 42276 | 28826 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1257 | 38558 | 28861 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1258 | 37658 | 28869 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1260 | 36708 | 28878 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1262 | 30501 | 28936 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1265 | 21209 | 29022 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1266 | 14493 | 29084 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1268 | 7164 | 29152 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1270 | 5308 | 29169 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1274 | 0 | 29219 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1276 | 37052 | 34017 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1277 | 42676 | 34232 | 4600 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 1279 | 37658 | 28869 | 6850 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1280 | 38558 | 28861 | 6850 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1281 | 23222 | 4844 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1282 | 24121 | 4797 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1283 | 36733 | 27678 | 7700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1284 | 36801 | 24379 | 7700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1285 | 45078 | 17459 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1286 | 44180 | 17512 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1287 | 32098 | 10766 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1288 | 32997 | 10822 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1289 | 22216 | 24007 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1290 | 23666 | 24038 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1291 | 28315 | 24135 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1292 | 29515 | 24160 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1293 | 30066 | 14196 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1294 | 28866 | 14180 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1295 | 29853 | 19734 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1296 | 28654 | 19697 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1297 | 2895 | 22563 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1298 | 4093 | 22493 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1299 | 21443 | 26131 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1300 | 21540 | 24935 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1301 | 1976 | 9158 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1302 | 3161 | 8972 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1303 | 4791 | 8716 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1304 | 5977 | 8530 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1305 | 12003 | 7584 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1306 | 13189 | 7398 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1307 | 16794 | 6832 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1308 | 17980 | 6646 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1309 | 14493 | 28134 | 6250 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1310 | 14493 | 28048 | 6677 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1311 | 14493 | 27796 | 7075 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1312 | 14493 | 27395 | 7417 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1313 | 14493 | 26872 | 7679 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1314 | 14493 | 26262 | 7844 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1315 | 14493 | 25609 | 7900 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1316 | 14493 | 24955 | 7844 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1317 | 14493 | 24346 | 7679 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1318 | 14493 | 23823 | 7417 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1319 | 14493 | 23422 | 7075 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1320 | 14493 | 23169 | 6677 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1321 | 14493 | 23084 | 6247 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1322 | 31141 | 12259 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1323 | 31095 | 13458 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1324 | 30991 | 16156 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1325 | 30945 | 17355 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1326 | 30823 | 20553 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1327 | 30777 | 21752 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1328 | 30644 | 25199 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1329 | 30598 | 26398 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1330 | 2249 | 14196 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1331 | 3449 | 14160 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1332 | 6819 | 23661 | 6200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1333 | 6824 | 23734 | 6459 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1334 | 6838 | 23951 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1335 | 6859 | 24296 | 6907 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1336 | 6887 | 24745 | 7066 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1337 | 6920 | 25269 | 7166 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1338 | 6956 | 25831 | 7200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1339 | 6991 | 26393 | 7166 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1340 | 7024 | 26917 | 7066 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1341 | 7052 | 27366 | 6907 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1342 | 7074 | 27712 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 1343 | 7087 | 27928 | 6459 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1344 | 7092 | 28002 | 6198 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1345 | 42443 | 26532 | 6950 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1346 | 42544 | 25136 | 6950 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1347 | 31432 | 23234 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1348 | 32632 | 23222 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1349 | 34419 | 23204 | 7450 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1350 | 35619 | 23193 | 7450 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1351 | 9916 | 22352 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1352 | 11116 | 22329 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1353 | 17615 | 22204 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1354 | 18814 | 22181 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1355 | 3985 | 11062 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1356 | 4091 | 12508 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1357 | 4306 | 15450 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1358 | 4411 | 16896 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1359 | 4634 | 19938 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1360 | 4739 | 21384 | 7100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1361 | 18535 | 8317 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1362 | 13949 | 9079 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1363 | 8838 | 9927 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1364 | 5988 | 10401 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1365 | 6219 | 14079 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1366 | 6479 | 18234 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1367 | 18641 | 6542 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1368 | 13835 | 7296 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1369 | 6741 | 22413 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1370 | 3825 | 8868 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1371 | 4210 | 14139 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1372 | 4817 | 22450 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1373 | 23455 | 8279 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1374 | 23248 | 10756 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1375 | 22778 | 16384 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1376 | 24747 | 4765 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1377 | 25076 | 10746 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1378 | 24824 | 14124 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1379 | 24418 | 19566 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1380 | 24084 | 24046 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1381 | 21616 | 23994 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1382 | 21768 | 22124 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1383 | 18728 | 5076 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1384 | 22301 | 22114 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1385 | 14493 | 29084 | 4900 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1386 | 14493 | 29084 | 5200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1387 | 14493 | 29084 | 5500 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1388 | 14493 | 29084 | 5800 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1389 | 14493 | 29084 | 6100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1390 | 14493 | 29084 | 6400 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1391 | 14493 | 29084 | 6700 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1392 | 14493 | 29084 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1393 | 14493 | 29084 | 7300 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1394 | 14493 | 29084 | 7600 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1395 | 14493 | 29084 | 7900 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1396 | 14493 | 29084 | 8200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1397 | 14493 | 29084 | 8500 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1398 | 14493 | 29084 | 8800 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1399 | 5308 | 29169 | 5000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1400 | 5308 | 29169 | 5400 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1401 | 5308 | 29169 | 5800 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1402 | 5308 | 29169 | 6200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1403 | 5308 | 29169 | 6600 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1404 | 5308 | 29169 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1405 | 5308 | 29169 | 7400 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1406 | 5308 | 29169 | 7800 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 1407 | 5308 | 29169 | 8200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1408 | 5308 | 29169 | 8600 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1409 | 4919 | 23845 | 6050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1410 | 4924 | 23914 | 6425 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1411 | 4938 | 24113 | 6775 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1412 | 4962 | 24430 | 7075 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1413 | 4992 | 24844 | 7306 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1414 | 5027 | 25324 | 7451 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1415 | 5065 | 25841 | 7500 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1416 | 5103 | 26358 | 7451 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1417 | 5138 | 26838 | 7306 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1418 | 5168 | 27251 | 7075 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1419 | 5191 | 27568 | 6775 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1420 | 5206 | 27768 | 6425 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1421 | 5211 | 27836 | 6047 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1422 | 24841 | 6489 | 8100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1423 | 24876 | 7119 | 6800 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1424 | 24879 | 7174 | 7085 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1425 | 24888 | 7336 | 7350 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1426 | 24902 | 7594 | 7578 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1427 | 24921 | 7930 | 7753 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1428 | 24942 | 8321 | 7863 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1429 | 24966 | 8742 | 7900 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1430 | 24989 | 9162 | 7863 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1431 | 25010 | 9553 | 7753 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1432 | 25029 | 9889 | 7578 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1433 | 25043 | 10147 | 7350 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1434 | 25052 | 10309 | 7085 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1435 | 25055 | 10364 | 6797 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1436 | 24758 | 4973 | 6850 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1437 | 24824 | 6171 | 6850 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2002 | 30640 | 0 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2006 | 24502 | 329 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2007 | 18993 | 625 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2009 | 13459 | 1480 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2017 | 3806 | 2970 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2020 | 24747 | 4765 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2027 | 24758 | 4972 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2029 | 18728 | 5076 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2032 | 1151 | 5388 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2033 | 24824 | 6171 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2034 | 30967 | 6251 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2038 | 24841 | 6489 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2040 | 18641 | 6542 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2046 | 13835 | 7296 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2063 | 3825 | 8868 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2071 | 1021 | 9308 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2072 | 0 | 9468 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2085 | 31200 | 10710 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2089 | 25076 | 10746 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2097 | 44265 | 11525 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2099 | 49602 | 11858 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2101 | 31141 | 12259 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2106 | 31095 | 13458 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2111 | 24824 | 14124 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2114 | 4210 | 14139 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2120 | 31066 | 14210 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2121 | 0 | 14262 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2126 | 30991 | 16156 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2139 | 49071 | 17223 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2142 | 30945 | 17355 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2145 | 43780 | 17535 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2147 | 43093 | 17576 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2157 | 24418 | 19566 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

| Nodo | X | Y | Z | Tx | Ty | Tz | Rx | Ry | Rz | Impalcato |
|---|---|---|---|---|---|---|---|---|---|---|
| 2161 | 30853 | 19765 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2166 | 30823 | 20553 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2171 | 30777 | 21752 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2178 | 21768 | 22124 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2183 | 14493 | 22264 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2189 | 6741 | 22413 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2190 | 4817 | 22450 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2195 | 0 | 22733 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2202 | 42690 | 23123 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2203 | 36826 | 23181 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2212 | 30719 | 23241 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2218 | 21616 | 23995 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2220 | 22216 | 24007 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2221 | 23666 | 24038 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2223 | 24084 | 24046 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2225 | 28315 | 24135 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2227 | 29515 | 24160 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2229 | 30683 | 24184 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2234 | 21540 | 24935 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2239 | 30644 | 25199 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2241 | 21443 | 26131 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2244 | 30598 | 26398 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2251 | 46000 | 28791 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2256 | 42276 | 28826 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2260 | 36708 | 28878 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2262 | 30501 | 28936 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2265 | 21209 | 29022 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2266 | 14493 | 29084 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2268 | 7164 | 29152 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2272 | 5308 | 29170 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2274 | 0 | 29219 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2276 | 37052 | 34017 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2277 | 42676 | 34232 | 9200 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2279 | 24824 | 6171 | 11450 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2280 | 24758 | 4973 | 11450 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2281 | 23666 | 24038 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2282 | 29515 | 24160 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2283 | 22216 | 24007 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2284 | 28315 | 24135 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2285 | 21443 | 26131 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2286 | 21540 | 24935 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2287 | 31141 | 12259 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2288 | 30823 | 20553 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2289 | 31095 | 13458 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2290 | 30991 | 16156 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2291 | 30945 | 17355 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2292 | 30644 | 25199 | 11600 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2293 | 30777 | 21752 | 11700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2294 | 30598 | 26398 | 11600 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3001 | 30640 | -0 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3006 | 24502 | 329 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3020 | 24747 | 4765 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3038 | 24841 | 6489 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3086 | 31200 | 10710 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3089 | 25076 | 10746 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3111 | 24824 | 14124 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3177 | 21768 | 22124 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3217 | 21616 | 23995 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3224 | 24084 | 24046 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3230 | 30683 | 24184 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3261 | 30501 | 28936 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3264 | 21209 | 29022 | 12700 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |

# Input - Aste - Tabella sezioni tipo

| Tipo | Nome | Base | Altezza | Larg.mag. |
|---|---|---|---|---|
| **R** | | cm | cm | cm |
| | Fond | 100 | 120 | 100 |
| | Pil 45x25 | 45 | 25 | 0 |
| | T25x40 | 25 | 40 | 0 |
| | 30x20 | 30 | 20 | 0 |
| | 30x70 | 30 | 70 | 0 |

# Aste - Geometria e vincoli

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ° | | cm | | | | | | | cm | |
| 1053 | 1053 | 1373 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 90 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1057 | 1057 | 1361 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1067 | 1067 | 1362 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1076 | 1076 | 1363 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1082 | 1082 | 1364 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1091 | 1091 | 1374 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 90 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1109 | 1109 | 1365 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 90 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1129 | 1129 | 1375 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 90 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1150 | 1150 | 1366 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 90 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 1176 | 1176 | 1384 | I-I | Pil 45x25 | C25/30 | CLS_Pilastri_ND | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Pila. | 350 | 350 |
| 0 | 1 | 101 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 2000 | 2000 |
| 1 | 101 | 100 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 1190 | 1190 |
| 2 | 2002 | 1 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 2000 | 2000 |
| 3 | 1 | 2099 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 1190 | 1190 |
| 101 | 1006 | 1016 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 209 | 209 |
| 101 | 1016 | 1020 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 235 | 235 |
| 101 | 1020 | 1027 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 21 | 21 |
| 101 | 1027 | 1033 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 101 | 1033 | 1038 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 32 | 32 |
| 101 | 1038 | 1045 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 63 | 63 |
| 101 | 1045 | 1080 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 325 | 325 |
| 101 | 1080 | 1089 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 38 | 38 |
| 101 | 1089 | 1111 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 339 | 339 |
| 101 | 1111 | 1133 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 242 | 242 |
| 101 | 1133 | 1157 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 303 | 303 |
| 101 | 1157 | 1174 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 252 | 252 |
| 101 | 1174 | 1223 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 197 | 197 |
| 102 | 1121 | 1117 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 225 | 225 |
| 102 | 1117 | 1115 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 102 | 1115 | 1114 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 76 | 76 |
| 102 | 1114 | 1109 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 201 | 201 |
| 103 | 1154 | 1150 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 196 | 196 |
| 104 | 1195 | 1193 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 290 | 290 |
| 104 | 1193 | 1192 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 104 | 1192 | 1190 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 73 | 73 |
| 104 | 1190 | 1189 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 192 | 192 |
| 104 | 1189 | 1187 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 318 | 318 |
| 104 | 1187 | 1186 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 104 | 1186 | 1183 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 338 | 338 |
| 104 | 1183 | 1181 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 312 | 312 |
| 104 | 1181 | 1180 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 104 | 1180 | 1178 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 295 | 295 |
| 104 | 1178 | 1176 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 53 | 53 |
| 104 | 1176 | 1174 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 193 | 193 |
| 105 | 1013 | 1017 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 393 | 393 |
| 105 | 1009 | 1013 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 584 | 584 |
| 105 | 1007 | 1009 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 560 | 560 |
| 105 | 1006 | 1007 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 552 | 552 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 1004 | 1006 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 240 | 240 |
| 105 | 1012 | 1004 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 375 | 375 |
| 106 | 1216 | 1219 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 60 | 60 |
| 106 | 1219 | 1222 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 145 | 145 |
| 106 | 1222 | 1223 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 42 | 42 |
| 106 | 1223 | 1226 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 423 | 423 |
| 106 | 1226 | 1228 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 106 | 1228 | 1229 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 117 | 117 |
| 107 | 1158 | 1157 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 424 | 424 |
| 107 | 1159 | 1158 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 107 | 1161 | 1159 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 100 | 100 |
| 107 | 1164 | 1161 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 199 | 199 |
| 108 | 1147 | 1201 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 556 | 556 |
| 108 | 1201 | 1237 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 202 | 202 |
| 108 | 1237 | 1245 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 140 | 140 |
| 108 | 1245 | 1256 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 230 | 230 |
| 109 | 1145 | 1147 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 69 | 69 |
| 109 | 1144 | 1145 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 40 | 40 |
| 109 | 1143 | 1144 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 90 | 90 |
| 109 | 1139 | 1143 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 400 | 400 |
| 110 | 1133 | 1129 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 187 | 187 |
| 111 | 1009 | 1046 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 583 | 583 |
| 111 | 1046 | 1067 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 179 | 179 |
| 112 | 1212 | 1211 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 71 | 71 |
| 112 | 1211 | 1210 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 112 | 1210 | 1208 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 50 | 50 |
| 112 | 1208 | 1206 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 129 | 129 |
| 112 | 1206 | 1205 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 112 | 1205 | 1203 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 121 | 121 |
| 112 | 1203 | 1201 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 586 | 586 |
| 112 | 1201 | 1196 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 580 | 580 |
| 113 | 1082 | 1109 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 369 | 369 |
| 113 | 1109 | 1150 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 416 | 416 |
| 113 | 1150 | 1189 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 419 | 419 |
| 113 | 1189 | 1214 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 125 | 125 |
| 113 | 1214 | 1249 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 435 | 435 |
| 113 | 1249 | 1268 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 115 | 115 |
| 114 | 1024 | 1053 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 347 | 347 |
| 114 | 1053 | 1091 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 249 | 249 |
| 114 | 1091 | 1129 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 565 | 565 |
| 114 | 1129 | 1176 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 575 | 575 |
| 115 | 1131 | 1135 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 199 | 199 |
| 116 | 1116 | 1111 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 404 | 404 |
| 116 | 1118 | 1116 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 116 | 1120 | 1118 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 100 | 100 |
| 117 | 1097 | 1145 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 603 | 603 |
| 118 | 1011 | 1016 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 236 | 236 |
| 119 | 1004 | 1011 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 209 | 209 |
| 119 | 1011 | 1036 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 411 | 411 |
| 120 | 1036 | 1038 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 228 | 228 |
| 120 | 1034 | 1036 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 385 | 385 |
| 121 | 1274 | 1270 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 531 | 531 |
| 121 | 1270 | 1268 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 186 | 186 |
| 121 | 1268 | 1266 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 733 | 733 |
| 121 | 1266 | 1265 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 672 | 672 |
| 121 | 1265 | 1262 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 929 | 929 |
| 121 | 1262 | 1260 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 621 | 621 |
| 121 | 1260 | 1258 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 95 | 95 |
| 121 | 1258 | 1257 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 90 | 90 |
| 121 | 1257 | 1256 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 372 | 372 |
| 121 | 1256 | 1251 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 372 | 372 |
| 122 | 1277 | 1276 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 563 | 563 |
| 123 | 1063 | 1087 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 187 | 187 |
| 123 | 1087 | 1096 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 33 | 33 |
| 123 | 1096 | 1103 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 145 | 145 |
| 123 | 1103 | 1114 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 164 | 164 |
| 123 | 1114 | 1124 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 131 | 131 |
| 123 | 1124 | 1137 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 145 | 145 |
| 123 | 1137 | 1154 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 148 | 148 |
| 123 | 1154 | 1165 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 157 | 157 |
| 123 | 1165 | 1169 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 145 | 145 |
| 123 | 1169 | 1190 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 107 | 107 |
| 123 | 1190 | 1215 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 140 | 140 |
| 123 | 1215 | 1248 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 400 | 400 |
| 123 | 1248 | 1270 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 134 | 134 |
| 124 | 1072 | 1121 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 479 | 479 |
| 124 | 1121 | 1195 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 847 | 847 |
| 124 | 1195 | 1274 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 649 | 649 |
| 125 | 1232 | 1203 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 125 | 1247 | 1232 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 330 | 330 |
| 125 | 1260 | 1247 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | 1276 | 1260 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 515 | 515 |
| 126 | 1050 | 1076 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 182 | 182 |
| 127 | 1091 | 1089 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 183 | 183 |
| 127 | 1089 | 1085 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 612 | 612 |
| 127 | 1085 | 1093 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 90 | 90 |
| 127 | 1093 | 1094 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 90 | 90 |
| 127 | 1094 | 1095 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 50 | 50 |
| 127 | 1095 | 1097 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 1079 | 1079 |
| 127 | 1097 | 1099 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 535 | 535 |
| 128 | 1099 | 1139 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 539 | 539 |
| 128 | 1139 | 1196 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 587 | 587 |
| 128 | 1196 | 1236 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 197 | 197 |
| 129 | 1012 | 1034 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 626 | 626 |
| 129 | 1034 | 1085 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 447 | 447 |
| 129 | 1085 | 1102 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 155 | 155 |
| 129 | 1102 | 1107 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 129 | 1107 | 1120 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 75 | 75 |
| 129 | 1120 | 1127 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 195 | 195 |
| 129 | 1127 | 1131 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 33 | 33 |
| 129 | 1131 | 1141 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 87 | 87 |
| 129 | 1141 | 1161 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 241 | 241 |
| 129 | 1161 | 1167 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 79 | 79 |
| 129 | 1167 | 1172 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 129 | 1172 | 1212 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 149 | 149 |
| 129 | 1212 | 1229 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 94 | 94 |
| 129 | 1229 | 1238 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 102 | 102 |
| 129 | 1238 | 1243 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 129 | 1243 | 1262 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 254 | 254 |
| 130 | 1198 | 1183 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 82 | 82 |
| 130 | 1250 | 1198 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 505 | 505 |
| 130 | 1266 | 1250 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 95 | 95 |
| 131 | 1216 | 1178 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 188 | 188 |
| 131 | 1233 | 1216 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 94 | 94 |
| 131 | 1240 | 1233 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 131 | 1265 | 1240 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 290 | 290 |
| 132 | 1082 | 1087 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 205 | 205 |
| 132 | 1076 | 1082 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 289 | 289 |
| 132 | 1067 | 1076 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 518 | 518 |
| 132 | 1057 | 1067 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 465 | 465 |
| 132 | 1053 | 1057 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 492 | 492 |
| 133 | 1072 | 1071 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 103 | 103 |
| 133 | 1071 | 1068 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 97 | 97 |
| 133 | 1068 | 1064 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 133 | 1064 | 1063 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 67 | 67 |
| 133 | 1063 | 1061 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 98 | 98 |
| 133 | 1061 | 1060 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 133 | 1060 | 1051 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 205 | 205 |
| 133 | 1051 | 1050 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 53 | 53 |
| 133 | 1050 | 1048 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 351 | 351 |
| 133 | 1048 | 1047 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 133 | 1047 | 1046 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 65 | 65 |
| 133 | 1046 | 1043 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 300 | 300 |
| 133 | 1043 | 1042 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 133 | 1042 | 1040 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 67 | 67 |
| 134 | 1007 | 1029 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 446 | 446 |
| 134 | 1029 | 1040 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 147 | 147 |
| 134 | 1040 | 1057 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 178 | 178 |
| 135 | 1029 | 1025 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 450 | 450 |
| 135 | 1025 | 1024 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 52 | 52 |
| 135 | 1024 | 1022 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 38 | 38 |
| 135 | 1022 | 1020 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 63 | 63 |
| 136 | 1013 | 1051 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 585 | 585 |
| 137 | 1236 | 1251 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 441 | 441 |
| 137 | 1251 | 1277 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 638 | 638 |
| 138 | 1017 | 1032 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 359 | 359 |
| 139 | 1032 | 1071 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 392 | 392 |
| 201 | 2195 | 2190 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 483 | 483 |
| 201 | 2190 | 2189 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 192 | 192 |
| 201 | 2189 | 2183 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 775 | 775 |
| 201 | 2183 | 2178 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 728 | 728 |
| 202 | 2251 | 2277 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 638 | 638 |
| 203 | 2212 | 2203 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 611 | 611 |
| 203 | 2203 | 2202 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 586 | 586 |
| 204 | 2006 | 2020 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 444 | 444 |
| 204 | 2020 | 2027 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 21 | 21 |
| 204 | 2027 | 2033 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 204 | 2033 | 2038 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 32 | 32 |
| 204 | 2038 | 2089 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 426 | 426 |
| 204 | 2089 | 2111 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 339 | 339 |
| 204 | 2111 | 2157 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 546 | 546 |
| 204 | 2157 | 2223 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 449 | 449 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 2063 | 2114 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 529 | 529 |
| 205 | 2114 | 2190 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 833 | 833 |
| 205 | 2190 | 2272 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 674 | 674 |
| 206 | 2089 | 2085 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 612 | 612 |
| 206 | 2085 | 2097 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 1309 | 1309 |
| 206 | 2097 | 2099 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 535 | 535 |
| 207 | 2260 | 2203 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 570 | 570 |
| 207 | 2276 | 2260 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 515 | 515 |
| 208 | 2274 | 2272 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 531 | 531 |
| 208 | 2272 | 2268 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 186 | 186 |
| 208 | 2268 | 2266 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 733 | 733 |
| 208 | 2266 | 2265 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 672 | 672 |
| 208 | 2265 | 2262 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 929 | 929 |
| 208 | 2262 | 2260 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 621 | 621 |
| 208 | 2260 | 2256 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 557 | 557 |
| 208 | 2256 | 2251 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 372 | 372 |
| 209 | 2029 | 2020 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 603 | 603 |
| 210 | 2161 | 2157 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 644 | 644 |
| 211 | 2009 | 2017 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 977 | 977 |
| 211 | 2007 | 2009 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 560 | 560 |
| 211 | 2006 | 2007 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 552 | 552 |
| 211 | 2002 | 2006 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 615 | 615 |
| 212 | 2145 | 2147 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 69 | 69 |
| 212 | 2139 | 2145 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 530 | 530 |
| 213 | 2072 | 2121 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 479 | 479 |
| 213 | 2121 | 2195 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 847 | 847 |
| 213 | 2195 | 2274 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 649 | 649 |
| 214 | 2277 | 2276 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 563 | 563 |
| 215 | 2218 | 2178 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 188 | 188 |
| 215 | 2234 | 2218 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 94 | 94 |
| 215 | 2241 | 2234 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 215 | 2265 | 2241 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 290 | 290 |
| 216 | 2097 | 2145 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 603 | 603 |
| 217 | 2120 | 2111 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 624 | 624 |
| 218 | 2266 | 2183 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 682 | 682 |
| 219 | 2002 | 2034 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 626 | 626 |
| 219 | 2034 | 2085 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 447 | 447 |
| 219 | 2085 | 2101 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 155 | 155 |
| 219 | 2101 | 2106 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 219 | 2106 | 2120 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 75 | 75 |
| 219 | 2120 | 2126 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 195 | 195 |
| 219 | 2126 | 2142 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 219 | 2142 | 2161 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 241 | 241 |
| 219 | 2161 | 2166 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 79 | 79 |
| 219 | 2166 | 2171 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 219 | 2171 | 2212 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 149 | 149 |
| 219 | 2212 | 2229 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 94 | 94 |
| 219 | 2229 | 2239 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 102 | 102 |
| 219 | 2239 | 2244 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 219 | 2244 | 2262 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 254 | 254 |
| 220 | 2099 | 2139 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 539 | 539 |
| 221 | 2032 | 2071 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 392 | 392 |
| 222 | 2072 | 2071 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 103 | 103 |
| 222 | 2071 | 2063 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 284 | 284 |
| 222 | 2063 | 2046 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 1013 | 1013 |
| 222 | 2046 | 2040 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 486 | 486 |
| 223 | 2034 | 2038 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 613 | 613 |
| 224 | 2007 | 2029 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 446 | 446 |
| 224 | 2029 | 2040 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 147 | 147 |
| 225 | 2017 | 2032 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 359 | 359 |
| 226 | 2121 | 2114 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 421 | 421 |
| 227 | 2009 | 2046 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 583 | 583 |
| 228 | 2189 | 2268 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 675 | 675 |
| 229 | 2202 | 2256 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 572 | 572 |
| 230 | 1363 | 1364 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 289 | 289 |
| 230 | 1362 | 1363 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 518 | 518 |
| 230 | 1361 | 1362 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 465 | 465 |
| 230 | 1373 | 1361 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | -0 | 0 | 0 | 0 | 0 | Trave | 492 | 492 |
| 231 | 1364 | 1365 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 369 | 369 |
| 231 | 1365 | 1366 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 416 | 416 |
| 231 | 1366 | 1369 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8580 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 419 | 419 |
| 232 | 1373 | 1374 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | -0 | 0 | 0 | 0 | 0 | Trave | 249 | 249 |
| 232 | 1374 | 1375 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 565 | 565 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 232 | 1384 | 1375 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8585 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 575 | 575 |
| 233 | 1382 | 1384 | I-I | T25x40 | C25/30 | CLS_TraviAlte_ND | 0 | 8085 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 53 | 53 |
| 234 | 2218 | 2220 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 60 | 60 |
| 234 | 2220 | 2221 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 145 | 145 |
| 234 | 2221 | 2223 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 42 | 42 |
| 234 | 2223 | 2225 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 423 | 423 |
| 234 | 2225 | 2227 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 120 | 120 |
| 234 | 2227 | 2229 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 117 | 117 |
| 301 | 3001 | 3086 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 1072 | 1072 |
| 301 | 3086 | 3230 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 1348 | 1348 |
| 301 | 3230 | 3261 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 476 | 476 |
| 302 | 3006 | 3020 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 444 | 444 |
| 302 | 3020 | 3038 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 173 | 173 |
| 302 | 3038 | 3089 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 426 | 426 |
| 302 | 3089 | 3111 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 339 | 339 |
| 302 | 3111 | 3224 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 995 | 995 |
| 303 | 3217 | 3224 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 247 | 247 |
| 303 | 3224 | 3230 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 660 | 660 |
| 304 | 3217 | 3177 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 188 | 188 |
| 304 | 3264 | 3217 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 504 | 504 |
| 305 | 3001 | 3006 | I-I | 30x20 | C25/30 | | 0 | 5050 | 0 | 0 | 0 | 0 | 0 | 0 | Trave | 615 | 615 |
| 306 | 3264 | 3261 | I-I | 30x70 | C25/30 | CLS_TraviAlte_Esist | 0 | 8080 | 0 | 0 | 0 | -0 | 0 | 0 | Trave | 929 | 929 |
| 9001 | 62 | 88 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 187 | 187 |
| 9001 | 88 | 114 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 341 | 341 |
| 9001 | 114 | 153 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 424 | 424 |
| 9001 | 153 | 191 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 409 | 409 |
| 9001 | 191 | 271 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 674 | 674 |
| 9002 | 194 | 191 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 483 | 483 |
| 9002 | 191 | 189 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 192 | 192 |
| 9002 | 189 | 188 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 298 | 298 |
| 9002 | 188 | 185 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 160 | 160 |
| 9002 | 185 | 184 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 318 | 318 |
| 9002 | 184 | 182 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 292 | 292 |
| 9002 | 182 | 179 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 160 | 160 |
| 9002 | 179 | 178 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 275 | 275 |
| 9002 | 178 | 176 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 53 | 53 |
| 9002 | 176 | 175 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 193 | 193 |
| 9003 | 31 | 70 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 392 | 392 |
| 9004 | 14 | 52 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 585 | 585 |
| 9005 | 49 | 75 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 182 | 182 |
| 9006 | 232 | 204 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 120 | 120 |
| 9006 | 247 | 232 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 330 | 330 |
| 9006 | 259 | 247 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 120 | 120 |
| 9006 | 275 | 259 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 515 | 515 |
| 9007 | 278 | 275 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 563 | 563 |
| 9008 | 119 | 112 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 624 | 624 |
| 9009 | 160 | 156 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 644 | 644 |
| 9009 | 160 | 163 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 199 | 199 |
| 9010 | 130 | 134 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 199 | 199 |
| 9011 | 132 | 128 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 187 | 187 |
| 9012 | 12 | 15 | I-I | Fond | Tufo | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 236 | 236 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | vulcanico | | | | | | | | | | | | |
| 9013 | 73 | 122 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 479 | 479 |
| 9013 | 122 | 194 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 847 | 847 |
| 9013 | 194 | 273 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 649 | 649 |
| 9014 | 273 | 271 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 531 | 531 |
| 9014 | 271 | 269 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 186 | 186 |
| 9014 | 269 | 267 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 733 | 733 |
| 9014 | 267 | 263 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 672 | 672 |
| 9014 | 263 | 261 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 929 | 929 |
| 9014 | 261 | 259 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 621 | 621 |
| 9014 | 259 | 255 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 557 | 557 |
| 9014 | 255 | 254 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 43 | 43 |
| 9014 | 254 | 253 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 90 | 90 |
| 9014 | 253 | 252 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 239 | 239 |
| 9015 | 153 | 150 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 196 | 196 |
| 9016 | 198 | 184 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 82 | 82 |
| 9016 | 250 | 198 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 505 | 505 |
| 9016 | 267 | 250 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 95 | 95 |
| 9017 | 217 | 178 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 188 | 188 |
| 9017 | 263 | 217 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 504 | 504 |
| 9018 | 84 | 88 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 32 | 32 |
| 9018 | 77 | 84 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 405 | 405 |
| 9018 | 75 | 77 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 57 | 57 |
| 9018 | 74 | 75 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 63 | 63 |
| 9018 | 69 | 74 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 405 | 405 |
| 9018 | 66 | 69 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 50 | 50 |
| 9018 | 65 | 66 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 35 | 35 |
| 9018 | 59 | 65 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 380 | 380 |
| 9018 | 58 | 59 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 50 | 50 |
| 9018 | 56 | 58 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 57 | 57 |
| 9018 | 55 | 56 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 380 | 380 |
| 9018 | 54 | 55 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 55 | 55 |
| 9019 | 73 | 70 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 103 | 103 |
| 9019 | 70 | 62 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 284 | 284 |
| 9019 | 62 | 52 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 423 | 423 |
| 9019 | 52 | 49 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 53 | 53 |
| 9019 | 49 | 46 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 537 | 537 |
| 9019 | 46 | 41 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 486 | 486 |
| 9020 | 8 | 28 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 446 | 446 |
| 9020 | 28 | 41 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 147 | 147 |
| 9020 | 41 | 58 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 178 | 178 |
| 9021 | 10 | 46 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 583 | 583 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9021 | 46 | 66 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 179 | 179 |
| 9022 | 14 | 18 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 393 | 393 |
| 9022 | 10 | 14 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 584 | 584 |
| 9022 | 8 | 10 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 560 | 560 |
| 9022 | 5 | 8 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 552 | 552 |
| 9022 | 3 | 5 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 240 | 240 |
| 9022 | 1 | 3 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 375 | 375 |
| 9023 | 26 | 31 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 79 | 79 |
| 9023 | 19 | 26 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 200 | 200 |
| 9023 | 18 | 19 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 80 | 80 |
| 9024 | 1 | 35 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 626 | 626 |
| 9024 | 35 | 86 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 447 | 447 |
| 9024 | 86 | 119 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 350 | 350 |
| 9024 | 119 | 130 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 227 | 227 |
| 9024 | 130 | 160 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 329 | 329 |
| 9024 | 160 | 213 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 348 | 348 |
| 9024 | 213 | 231 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 94 | 94 |
| 9024 | 231 | 261 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 476 | 476 |
| 9025 | 28 | 23 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 502 | 502 |
| 9025 | 23 | 21 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 101 | 101 |
| 9026 | 5 | 15 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 209 | 209 |
| 9026 | 15 | 21 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 235 | 235 |
| 9026 | 21 | 39 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 173 | 173 |
| 9026 | 39 | 44 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 63 | 63 |
| 9026 | 44 | 79 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 325 | 325 |
| 9026 | 79 | 90 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 38 | 38 |
| 9026 | 90 | 112 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 339 | 339 |
| 9026 | 112 | 132 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 242 | 242 |
| 9026 | 132 | 156 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 303 | 303 |
| 9026 | 156 | 175 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 252 | 252 |
| 9026 | 175 | 224 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 197 | 197 |
| 9027 | 91 | 90 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 183 | 183 |
| 9027 | 90 | 86 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 612 | 612 |
| 9027 | 86 | 98 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 1309 | 1309 |
| 9027 | 98 | 100 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 535 | 535 |
| 9028 | 100 | 105 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 120 | 120 |
| 9028 | 105 | 125 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 285 | 285 |
| 9028 | 125 | 140 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 134 | 134 |
| 9028 | 140 | 197 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 587 | 587 |
| 9028 | 197 | 235 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 197 | 197 |
| 9029 | 235 | 252 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 441 | 441 |
| 9029 | 252 | 278 | I-I | Fond | Tufo | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 638 | 638 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | vulcanico | | | | | | | | | | | | |
| 9030 | 213 | 209 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 210 | 210 |
| 9030 | 209 | 207 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 120 | 120 |
| 9030 | 207 | 204 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 281 | 281 |
| 9030 | 204 | 201 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 586 | 586 |
| 9030 | 201 | 200 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 38 | 38 |
| 9030 | 200 | 199 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 90 | 90 |
| 9030 | 199 | 197 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 452 | 452 |
| 9031 | 148 | 162 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 220 | 220 |
| 9031 | 162 | 168 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 140 | 140 |
| 9031 | 168 | 201 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 196 | 196 |
| 9031 | 201 | 242 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 324 | 324 |
| 9031 | 242 | 246 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 120 | 120 |
| 9031 | 246 | 255 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 128 | 128 |
| 9032 | 146 | 148 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 69 | 69 |
| 9032 | 140 | 146 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 530 | 530 |
| 9033 | 98 | 104 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 135 | 135 |
| 9033 | 104 | 136 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 386 | 386 |
| 9033 | 136 | 146 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 82 | 82 |
| 9034 | 217 | 224 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 247 | 247 |
| 9034 | 224 | 231 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 660 | 660 |
| 9035 | 23 | 30 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 40 | 40 |
| 9035 | 30 | 78 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 500 | 500 |
| 9035 | 78 | 91 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 56 | 56 |
| 9035 | 91 | 128 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 565 | 565 |
| 9035 | 128 | 138 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 59 | 59 |
| 9035 | 138 | 170 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 470 | 470 |
| 9035 | 170 | 176 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 46 | 46 |
| 9036 | 81 | 83 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 20 | 20 |
| 9036 | 83 | 108 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 310 | 310 |
| 9036 | 108 | 109 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 39 | 39 |
| 9036 | 109 | 123 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 51 | 51 |
| 9036 | 123 | 149 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 310 | 310 |
| 9036 | 149 | 150 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 55 | 55 |
| 9036 | 150 | 155 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 55 | 55 |
| 9036 | 155 | 173 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 325 | 325 |
| 9036 | 173 | 189 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 39 | 39 |
| 9036 | 189 | 269 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 675 | 675 |
| 9037 | 37 | 39 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 228 | 228 |
| 9037 | 35 | 37 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 385 | 385 |
| 9038 | 3 | 12 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 209 | 209 |
| 9038 | 12 | 37 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 411 | 411 |

| | Ni | Nf | Vinc. | Sez. | Mat. | Crit.pr. | Rot. | f.f. | xi | yi | zi | xf | yf | zf | Tipo | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9039 | 122 | 114 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 421 | 421 |
| 9039 | 114 | 113 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 30 | 30 |
| 9039 | 113 | 110 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 135 | 135 |
| 9039 | 110 | 109 | I-I | Fond | Tufo vulcanico | | 0 | 5555 | 0 | 0 | 0 | 0 | 0 | 0 | Fond. | 36 | 36 |

# Aste - Carichi

Tabella degli elementi di carico sbalzo: lo sbalzo genera sull'asta a cui è collegato tutte le tipologie di carico generate dal solaio ad esso assegnato; nella tabella dei carichi delle aste il carico generato dallo sbalzo è indicato con (Sb.NN) con NN indice dello sbalzo.

Asta Asta a cui è collegato lo sbalzo
L Lunghezza dell'asta
N1, N2 nodi dell'asta
Xi Distanza dal nodo iniziale dell'asta del punto iniziale dello sbalzo
Bi Larghezza iniziale dello sbalzo
Xf Distanza dal nodo iniziale dell'asta del punto fiale dello sbalzo
Bf Larghezza finale dello sbalzo
Stipo Solaio tipo assegnato allo sbalzo

| N° Sb. | Asta | L | N1 | N2 | Xi | Bi | Xf | Bf | STipo |
|---|---|---|---|---|---|---|---|---|---|
| | | cm | | | cm | cm | cm | cm | |
| 0 | 112 | 129 | 1208 | 1206 | 0 | 100 | 129 | 100 | Latero cemento - Balconi esistenti |
| 1 | 112 | 120 | 1206 | 1205 | 0 | 100 | 120 | 100 | Latero cemento - Balconi esistenti |
| 2 | 112 | 121 | 1205 | 1203 | 0 | 100 | 121 | 100 | Latero cemento - Balconi esistenti |
| 3 | 112 | 586 | 1203 | 1201 | 0 | 100 | 586 | 100 | Latero cemento - Balconi esistenti |

Descrizione carichi aste
UnifG Uniforme globale
UnifL Uniforme locale
VarG Variabile lineare globale
VarL Variabile lineare locale
PolG Poligonale globale
Termico Distorsione termica
Torcente Carico torcente
Precomp. Carico da precompressione
PolL Poligonale locale

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | cm | car. dist. kg/m coppie torc. kg*m/m | | | cm | car. dist. kg/m coppie torc. kg*m/m | | |
| **Pilastro 1053** | | | | | | | | | | | | |
| Pil 45x25 | 1053 | 1373 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1057** | | | | | | | | | | | | |
| Pil 45x25 | 1057 | 1361 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1067** | | | | | | | | | | | | |
| Pil 45x25 | 1067 | 1362 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1076** | | | | | | | | | | | | |
| Pil 45x25 | 1076 | 1363 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1082** | | | | | | | | | | | | |
| Pil 45x25 | 108 | 136 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 4 | | | | | | | | | | |
| **Pilastro 1091** | | | | | | | | | | | | |
| Pil 45x25 | 1091 | 1374 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1109** | | | | | | | | | | | | |
| Pil 45x25 | 1109 | 1365 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1129** | | | | | | | | | | | | |
| Pil 45x25 | 1129 | 1375 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1150** | | | | | | | | | | | | |
| Pil 45x25 | 1150 | 1366 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Pilastro 1176** | | | | | | | | | | | | |
| Pil 45x25 | 1176 | 1384 | Peso Proprio | UnifG | 0 | 0 | 0 | 281 | 350 | 0 | 0 | 281 |
| **Trave 2** | | | | | | | | | | | | |
| 30x20 | 2002 | 1 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 2000 | 0 | 0 | 150 |
| 30x20 | 2002 | 1 | QP Solai | PolG | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 853 |
| | | | | | 48 | 0 | 0 | 853 | 70 | 0 | 0 | 1459 |
| | | | | | 70 | 0 | 0 | 1459 | 1363 | 0 | 0 | 1572 |
| | | | | | 1363 | 0 | 0 | 1572 | 1883 | 0 | 0 | 1617 |
| | | | | | 1883 | 0 | 0 | 1617 | 2000 | 0 | 0 | 0 |
| 30x20 | 2002 | 1 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 875 |
| | | | | | 33 | 0 | 0 | 875 | 56 | 0 | 0 | 1499 |
| | | | | | 56 | 0 | 0 | 1499 | 1363 | 0 | 0 | 1613 |
| | | | | | 1363 | 0 | 0 | 1613 | 1896 | 0 | 0 | 1660 |
| | | | | | 1896 | 0 | 0 | 1660 | 2000 | 0 | 0 | 0 |
| 30x20 | 2002 | 1 | QV Solai | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 938 |
| | | | | | 33 | 0 | 0 | 938 | 56 | 0 | 0 | 1607 |
| | | | | | 56 | 0 | 0 | 1607 | 1363 | 0 | 0 | 1729 |
| | | | | | 1363 | 0 | 0 | 1729 | 1896 | 0 | 0 | 1779 |
| | | | | | 1896 | 0 | 0 | 1779 | 2000 | 0 | 0 | 0 |
| 30x20 | 2002 | 1 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 656 |
| | | | | | 33 | 0 | 0 | 656 | 56 | 0 | 0 | 1125 |
| | | | | | 56 | 0 | 0 | 1125 | 1363 | 0 | 0 | 1210 |
| | | | | | 1363 | 0 | 0 | 1210 | 1896 | 0 | 0 | 1245 |
| | | | | | 1896 | 0 | 0 | 1245 | 2000 | 0 | 0 | 0 |
| 30x20 | 2002 | 1 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 656 |
| | | | | | 33 | 0 | 0 | 656 | 56 | 0 | 0 | 1125 |
| | | | | | 56 | 0 | 0 | 1125 | 1363 | 0 | 0 | 1210 |
| | | | | | 1363 | 0 | 0 | 1210 | 1896 | 0 | 0 | 1245 |
| | | | | | 1896 | 0 | 0 | 1245 | 2000 | 0 | 0 | 0 |
| 30x20 | 2002 | 1 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 563 |
| | | | | | 33 | 0 | 0 | 563 | 56 | 0 | 0 | 964 |
| | | | | | 56 | 0 | 0 | 964 | 1363 | 0 | 0 | 1037 |
| | | | | | 1363 | 0 | 0 | 1037 | 1896 | 0 | 0 | 1067 |
| | | | | | 1896 | 0 | 0 | 1067 | 2000 | 0 | 0 | 0 |
| **Trave 3** | | | | | | | | | | | | |
| 30x20 | 1 | 2099 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 1190 | 0 | 0 | 150 |
| 30x20 | 1 | 2099 | QP Solai | PolG | 16 | 0 | 0 | 0 | 1176 | 0 | 0 | 141 |
| 30x20 | 1 | 2099 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 1190 | 0 | 0 | 145 |
| 30x20 | 1 | 2099 | QV Solai | PolG | 0 | 0 | 0 | 0 | 1190 | 0 | 0 | 155 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1 | 2099 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 1190 | 0 | 0 | 109 |
| 30x20 | 1 | 2099 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 1190 | 0 | 0 | 109 |
| 30x20 | 1 | 2099 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 1190 | 0 | 0 | 93 |
| **Trave 101** | | | | | | | | | | | | |
| 30x20 | 1006 | 1016 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 209 | 0 | 0 | 150 |
| 30x20 | 1006 | 1016 | QP Solai | PolG | 15 | 0 | 0 | 701 | 183 | 0 | 0 | 686 |
| | | | | | 183 | 0 | 0 | 686 | 194 | 0 | 0 | 26 |
| | | | | | 194 | 0 | 0 | 18 | 209 | 0 | 0 | 17 |
| 30x20 | 1006 | 1016 | QFissi Solai | PolG | 0 | 0 | 0 | 322 | 197 | 0 | 0 | 305 |
| | | | | | 197 | 0 | 0 | 305 | 209 | 0 | 0 | 22 |
| 30x20 | 1006 | 1016 | QV Solai | PolG | 0 | 0 | 0 | 324 | 197 | 0 | 0 | 307 |
| | | | | | 197 | 0 | 0 | 307 | 209 | 0 | 0 | 23 |
| 30x20 | 1006 | 1016 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 227 | 197 | 0 | 0 | 215 |
| | | | | | 197 | 0 | 0 | 215 | 209 | 0 | 0 | 16 |
| 30x20 | 1006 | 1016 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 227 | 197 | 0 | 0 | 215 |
| | | | | | 197 | 0 | 0 | 215 | 209 | 0 | 0 | 16 |
| 30x20 | 1006 | 1016 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 194 | 197 | 0 | 0 | 184 |
| | | | | | 197 | 0 | 0 | 184 | 209 | 0 | 0 | 14 |
| 30x20 | 1016 | 1020 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 235 | 0 | 0 | 150 |
| 30x20 | 1016 | 1020 | QP Solai | PolG | 0 | 0 | 0 | 17 | 15 | 0 | 0 | 16 |
| | | | | | 15 | 0 | 0 | 673 | 220 | 0 | 0 | 654 |
| | | | | | 220 | 0 | 0 | 654 | 235 | 0 | 0 | 653 |
| 30x20 | 1016 | 1020 | QFissi Solai | PolG | 0 | 0 | 0 | 301 | 235 | 0 | 0 | 281 |
| 30x20 | 1016 | 1020 | QV Solai | PolG | 0 | 0 | 0 | 302 | 235 | 0 | 0 | 281 |
| 30x20 | 1016 | 1020 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 211 | 235 | 0 | 0 | 197 |
| 30x20 | 1016 | 1020 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 211 | 235 | 0 | 0 | 197 |
| 30x20 | 1016 | 1020 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 181 | 235 | 0 | 0 | 169 |
| 30x20 | 1020 | 1027 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 21 | 0 | 0 | 150 |
| 30x20 | 1020 | 1027 | QP Solai | PolG | 0 | 0 | 0 | 653 | 15 | 0 | 0 | 653 |
| | | | | | 15 | 0 | 0 | 747 | 17 | 0 | 0 | 785 |
| | | | | | 17 | 0 | 0 | 805 | 21 | 0 | 0 | 805 |
| 30x20 | 1020 | 1027 | QFissi Solai | PolG | 0 | 0 | 0 | 318 | 3 | 0 | 0 | 337 |
| | | | | | 3 | 0 | 0 | 337 | 5 | 0 | 0 | 348 |
| | | | | | 5 | 0 | 0 | 348 | 21 | 0 | 0 | 348 |
| 30x20 | 1020 | 1027 | QV Solai | PolG | 0 | 0 | 0 | 318 | 3 | 0 | 0 | 337 |
| | | | | | 3 | 0 | 0 | 337 | 5 | 0 | 0 | 348 |
| | | | | | 5 | 0 | 0 | 348 | 21 | 0 | 0 | 348 |
| 30x20 | 1020 | 1027 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 223 | 3 | 0 | 0 | 236 |
| | | | | | 3 | 0 | 0 | 236 | 5 | 0 | 0 | 244 |
| | | | | | 5 | 0 | 0 | 244 | 21 | 0 | 0 | 244 |
| 30x20 | 1020 | 1027 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 223 | 3 | 0 | 0 | 236 |
| | | | | | 3 | 0 | 0 | 236 | 5 | 0 | 0 | 244 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 5 | 0 | 0 | 244 | 21 | 0 | 0 | 244 |
| 30x20 | 1020 | 1027 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 191 | 3 | 0 | 0 | 202 |
| | | | | | 3 | 0 | 0 | 202 | 5 | 0 | 0 | 209 |
| | | | | | 5 | 0 | 0 | 209 | 21 | 0 | 0 | 209 |
| 30x20 | 1027 | 1033 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1027 | 1033 | QP Solai | PolG | 0 | 0 | 0 | 810 | 120 | 0 | 0 | 801 |
| 30x20 | 1027 | 1033 | QFissi Solai | PolG | 0 | 0 | 0 | 350 | 120 | 0 | 0 | 346 |
| 30x20 | 1027 | 1033 | QV Solai | PolG | 0 | 0 | 0 | 350 | 120 | 0 | 0 | 346 |
| 30x20 | 1027 | 1033 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 245 | 120 | 0 | 0 | 242 |
| 30x20 | 1027 | 1033 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 245 | 120 | 0 | 0 | 242 |
| 30x20 | 1027 | 1033 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 210 | 120 | 0 | 0 | 208 |
| 30x20 | 1033 | 1038 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 32 | 0 | 0 | 150 |
| 30x20 | 1033 | 1038 | QP Solai | PolG | 0 | 0 | 0 | 798 | 9 | 0 | 0 | 798 |
| | | | | | 9 | 0 | 0 | 798 | 17 | 0 | 0 | 163 |
| | | | | | 17 | 0 | 0 | 146 | 32 | 0 | 0 | 145 |
| 30x20 | 1033 | 1038 | QFissi Solai | PolG | 0 | 0 | 0 | 346 | 23 | 0 | 0 | 345 |
| | | | | | 23 | 0 | 0 | 345 | 32 | 0 | 0 | 71 |
| 30x20 | 1033 | 1038 | QV Solai | PolG | 0 | 0 | 0 | 346 | 23 | 0 | 0 | 345 |
| | | | | | 23 | 0 | 0 | 345 | 32 | 0 | 0 | 71 |
| 30x20 | 1033 | 1038 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 242 | 23 | 0 | 0 | 241 |
| | | | | | 23 | 0 | 0 | 241 | 32 | 0 | 0 | 50 |
| 30x20 | 1033 | 1038 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 242 | 23 | 0 | 0 | 241 |
| | | | | | 23 | 0 | 0 | 241 | 32 | 0 | 0 | 50 |
| 30x20 | 1033 | 1038 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 207 | 23 | 0 | 0 | 207 |
| | | | | | 23 | 0 | 0 | 207 | 32 | 0 | 0 | 43 |
| 30x20 | 1038 | 1045 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 63 | 0 | 0 | 150 |
| 30x20 | 1038 | 1045 | QP Solai | PolG | 0 | 0 | 0 | 148 | 15 | 0 | 0 | 147 |
| | | | | | 15 | 0 | 0 | 2012 | 63 | 0 | 0 | 2010 |
| 30x20 | 1038 | 1045 | QFissi Solai | PolG | 0 | 0 | 0 | 801 | 63 | 0 | 0 | 800 |
| 30x20 | 1038 | 1045 | QV Solai | PolG | 0 | 0 | 0 | 801 | 63 | 0 | 0 | 800 |
| 30x20 | 1038 | 1045 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 561 | 63 | 0 | 0 | 560 |
| 30x20 | 1038 | 1045 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 561 | 63 | 0 | 0 | 560 |
| 30x20 | 1038 | 1045 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 481 | 63 | 0 | 0 | 480 |
| 30x20 | 1045 | 1080 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 325 | 0 | 0 | 150 |
| 30x20 | 1045 | 1080 | QP Solai | PolG | 0 | 0 | 0 | 2010 | 117 | 0 | 0 | 2006 |
| | | | | | 117 | 0 | 0 | 2006 | 325 | 0 | 0 | 2000 |
| 30x20 | 1045 | 1080 | QFissi Solai | PolG | 0 | 0 | 0 | 800 | 116 | 0 | 0 | 799 |
| | | | | | 116 | 0 | 0 | 799 | 325 | 0 | 0 | 796 |
| 30x20 | 1045 | 1080 | QV Solai | PolG | 0 | 0 | 0 | 800 | 116 | 0 | 0 | 799 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 116 | 0 | 0 | 799 | 325 | 0 | 0 | 796 |
| 30x20 | 1045 | 1080 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 560 | 116 | 0 | 0 | 559 |
| | | | | | 116 | 0 | 0 | 559 | 325 | 0 | 0 | 557 |
| 30x20 | 1045 | 1080 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 560 | 116 | 0 | 0 | 559 |
| | | | | | 116 | 0 | 0 | 559 | 325 | 0 | 0 | 557 |
| 30x20 | 1045 | 1080 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 480 | 116 | 0 | 0 | 479 |
| | | | | | 116 | 0 | 0 | 479 | 325 | 0 | 0 | 478 |
| 30x20 | 1080 | 1089 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 38 | 0 | 0 | 150 |
| 30x20 | 1080 | 1089 | QP Solai | PolG | 0 | 0 | 0 | 2000 | 21 | 0 | 0 | 1999 |
| | | | | | 21 | 0 | 0 | 1999 | 22 | 0 | 0 | 943 |
| | | | | | 22 | 0 | 0 | 822 | 24 | 0 | 0 | 17 |
| 30x20 | 1080 | 1089 | QFissi Solai | PolG | 0 | 0 | 0 | 796 | 35 | 0 | 0 | 796 |
| | | | | | 35 | 0 | 0 | 796 | 38 | 0 | 0 | 62 |
| 30x20 | 1080 | 1089 | QV Solai | PolG | 0 | 0 | 0 | 796 | 35 | 0 | 0 | 796 |
| | | | | | 35 | 0 | 0 | 796 | 38 | 0 | 0 | 62 |
| 30x20 | 1080 | 1089 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 557 | 35 | 0 | 0 | 557 |
| | | | | | 35 | 0 | 0 | 557 | 38 | 0 | 0 | 43 |
| 30x20 | 1080 | 1089 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 557 | 35 | 0 | 0 | 557 |
| | | | | | 35 | 0 | 0 | 557 | 38 | 0 | 0 | 43 |
| 30x20 | 1080 | 1089 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 478 | 35 | 0 | 0 | 477 |
| | | | | | 35 | 0 | 0 | 477 | 38 | 0 | 0 | 37 |
| 30x20 | 1089 | 1111 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 339 | 0 | 0 | 150 |
| 30x20 | 1089 | 1111 | QP Solai | PolG | 14 | 0 | 0 | 188 | 16 | 0 | 0 | 188 |
| | | | | | 16 | 0 | 0 | 310 | 150 | 0 | 0 | 333 |
| | | | | | 150 | 0 | 0 | 333 | 270 | 0 | 0 | 354 |
| | | | | | 270 | 0 | 0 | 354 | 323 | 0 | 0 | 363 |
| | | | | | 323 | 0 | 0 | 197 | 339 | 0 | 0 | 201 |
| 30x20 | 1089 | 1111 | QFissi Solai | PolG | 0 | 0 | 0 | 254 | 152 | 0 | 0 | 257 |
| | | | | | 152 | 0 | 0 | 257 | 272 | 0 | 0 | 259 |
| | | | | | 272 | 0 | 0 | 259 | 339 | 0 | 0 | 260 |
| 30x20 | 1089 | 1111 | QV Solai | PolG | 0 | 0 | 0 | 268 | 152 | 0 | 0 | 270 |
| | | | | | 152 | 0 | 0 | 270 | 272 | 0 | 0 | 272 |
| | | | | | 272 | 0 | 0 | 272 | 339 | 0 | 0 | 273 |
| 30x20 | 1089 | 1111 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 188 | 152 | 0 | 0 | 189 |
| | | | | | 152 | 0 | 0 | 189 | 339 | 0 | 0 | 191 |
| 30x20 | 1089 | 1111 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 145 | 272 | 0 | 0 | 152 |
| | | | | | 272 | 0 | 0 | 152 | 339 | 0 | 0 | 153 |
| 30x20 | 1089 | 1111 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 97 | 339 | 0 | 0 | 107 |
| 30x20 | 1111 | 1133 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 242 | 0 | 0 | 150 |
| 30x20 | 1111 | 1133 | QP Solai | PolG | 0 | 0 | 0 | 201 | 14 | 0 | 0 | 204 |
| | | | | | 14 | 0 | 0 | 247 | 20 | 0 | 0 | 357 |
| | | | | | 20 | 0 | 0 | 248 | 22 | 0 | 0 | 248 |
| | | | | | 22 | 0 | 0 | 414 | 202 | 0 | 0 | 445 |
| | | | | | 202 | 0 | 0 | 445 | 214 | 0 | 0 | 447 |
| | | | | | 214 | 0 | 0 | 447 | 227 | 0 | 0 | 324 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 227 | 0 | 0 | 193 | 242 | 0 | 0 | 192 |
| 30x20 | 1111 | 1133 | QFissi Solai | PolG | 0 | 0 | 0 | 131 | 6 | 0 | 0 | 244 |
| | | | | | 6 | 0 | 0 | 131 | 9 | 0 | 0 | 131 |
| | | | | | 9 | 0 | 0 | 306 | 204 | 0 | 0 | 309 |
| | | | | | 204 | 0 | 0 | 309 | 227 | 0 | 0 | 310 |
| | | | | | 227 | 0 | 0 | 310 | 242 | 0 | 0 | 254 |
| 30x20 | 1111 | 1133 | QV Solai | PolG | 0 | 0 | 0 | 134 | 6 | 0 | 0 | 255 |
| | | | | | 6 | 0 | 0 | 134 | 9 | 0 | 0 | 134 |
| | | | | | 9 | 0 | 0 | 321 | 204 | 0 | 0 | 324 |
| | | | | | 204 | 0 | 0 | 324 | 227 | 0 | 0 | 324 |
| | | | | | 227 | 0 | 0 | 324 | 242 | 0 | 0 | 268 |
| 30x20 | 1111 | 1133 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 94 | 6 | 0 | 0 | 179 |
| | | | | | 6 | 0 | 0 | 94 | 9 | 0 | 0 | 94 |
| | | | | | 9 | 0 | 0 | 225 | 204 | 0 | 0 | 227 |
| | | | | | 204 | 0 | 0 | 227 | 227 | 0 | 0 | 227 |
| | | | | | 227 | 0 | 0 | 227 | 242 | 0 | 0 | 188 |
| 30x20 | 1111 | 1133 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 84 | 6 | 0 | 0 | 145 |
| | | | | | 6 | 0 | 0 | 84 | 9 | 0 | 0 | 84 |
| | | | | | 9 | 0 | 0 | 178 | 204 | 0 | 0 | 183 |
| | | | | | 204 | 0 | 0 | 183 | 227 | 0 | 0 | 183 |
| | | | | | 227 | 0 | 0 | 183 | 242 | 0 | 0 | 144 |
| 30x20 | 1111 | 1133 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 66 | 6 | 0 | 0 | 102 |
| | | | | | 6 | 0 | 0 | 66 | 9 | 0 | 0 | 66 |
| | | | | | 9 | 0 | 0 | 122 | 227 | 0 | 0 | 129 |
| | | | | | 227 | 0 | 0 | 129 | 242 | 0 | 0 | 96 |
| 30x20 | 1133 | 1157 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 303 | 0 | 0 | 150 |
| 30x20 | 1133 | 1157 | QP Solai | PolG | 0 | 0 | 0 | 192 | 15 | 0 | 0 | 191 |
| | | | | | 15 | 0 | 0 | 317 | 80 | 0 | 0 | 329 |
| | | | | | 80 | 0 | 0 | 329 | 288 | 0 | 0 | 364 |
| | | | | | 288 | 0 | 0 | 193 | 303 | 0 | 0 | 197 |
| 30x20 | 1133 | 1157 | QFissi Solai | PolG | 0 | 0 | 0 | 258 | 82 | 0 | 0 | 260 |
| | | | | | 82 | 0 | 0 | 260 | 303 | 0 | 0 | 264 |
| 30x20 | 1133 | 1157 | QV Solai | PolG | 0 | 0 | 0 | 273 | 82 | 0 | 0 | 274 |
| | | | | | 82 | 0 | 0 | 274 | 303 | 0 | 0 | 277 |
| 30x20 | 1133 | 1157 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 191 | 82 | 0 | 0 | 192 |
| | | | | | 82 | 0 | 0 | 192 | 303 | 0 | 0 | 194 |
| 30x20 | 1133 | 1157 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 148 | 82 | 0 | 0 | 150 |
| | | | | | 82 | 0 | 0 | 150 | 303 | 0 | 0 | 155 |
| 30x20 | 1133 | 1157 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 99 | 303 | 0 | 0 | 108 |
| 30x20 | 1157 | 1174 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 252 | 0 | 0 | 150 |
| 30x20 | 1157 | 1174 | QP Solai | PolG | 0 | 0 | 0 | 197 | 14 | 0 | 0 | 200 |
| | | | | | 14 | 0 | 0 | 235 | 27 | 0 | 0 | 352 |
| | | | | | 27 | 0 | 0 | 352 | 31 | 0 | 0 | 386 |
| | | | | | 31 | 0 | 0 | 386 | 33 | 0 | 0 | 410 |
| | | | | | 33 | 0 | 0 | 410 | 97 | 0 | 0 | 421 |
| | | | | | 97 | 0 | 0 | 421 | 218 | 0 | 0 | 442 |
| | | | | | 218 | 0 | 0 | 442 | 238 | 0 | 0 | 445 |
| | | | | | 238 | 0 | 0 | 190 | 252 | 0 | 0 | 189 |
| 30x20 | 1157 | 1174 | QFissi Solai | PolG | 0 | 0 | 0 | 121 | 13 | 0 | 0 | 240 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 13 | 0 | 0 | 240 | 17 | 0 | 0 | 274 |
| | | | | | 17 | 0 | 0 | 274 | 20 | 0 | 0 | 302 |
| | | | | | 20 | 0 | 0 | 302 | 99 | 0 | 0 | 303 |
| | | | | | 99 | 0 | 0 | 303 | 219 | 0 | 0 | 306 |
| | | | | | 219 | 0 | 0 | 306 | 252 | 0 | 0 | 306 |
| 30x20 | 1157 | 1174 | QV Solai | PolG | 0 | 0 | 0 | 124 | 13 | 0 | 0 | 251 |
| | | | | | 13 | 0 | 0 | 251 | 17 | 0 | 0 | 287 |
| | | | | | 17 | 0 | 0 | 287 | 20 | 0 | 0 | 317 |
| | | | | | 20 | 0 | 0 | 317 | 99 | 0 | 0 | 318 |
| | | | | | 99 | 0 | 0 | 318 | 219 | 0 | 0 | 320 |
| | | | | | 219 | 0 | 0 | 320 | 252 | 0 | 0 | 320 |
| 30x20 | 1157 | 1174 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 87 | 13 | 0 | 0 | 176 |
| | | | | | 13 | 0 | 0 | 176 | 17 | 0 | 0 | 201 |
| | | | | | 17 | 0 | 0 | 201 | 20 | 0 | 0 | 222 |
| | | | | | 20 | 0 | 0 | 222 | 219 | 0 | 0 | 224 |
| | | | | | 219 | 0 | 0 | 224 | 252 | 0 | 0 | 224 |
| 30x20 | 1157 | 1174 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 79 | 13 | 0 | 0 | 143 |
| | | | | | 13 | 0 | 0 | 143 | 17 | 0 | 0 | 161 |
| | | | | | 17 | 0 | 0 | 161 | 20 | 0 | 0 | 176 |
| | | | | | 20 | 0 | 0 | 176 | 219 | 0 | 0 | 181 |
| | | | | | 219 | 0 | 0 | 181 | 252 | 0 | 0 | 182 |
| 30x20 | 1157 | 1174 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 62 | 13 | 0 | 0 | 101 |
| | | | | | 13 | 0 | 0 | 101 | 17 | 0 | 0 | 112 |
| | | | | | 17 | 0 | 0 | 112 | 20 | 0 | 0 | 121 |
| | | | | | 20 | 0 | 0 | 121 | 252 | 0 | 0 | 128 |
| 30x20 | 1174 | 1223 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 197 | 0 | 0 | 150 |
| 30x20 | 1174 | 1223 | QP Solai | PolG | 0 | 0 | 0 | 189 | 16 | 0 | 0 | 188 |
| | | | | | 16 | 0 | 0 | 188 | 20 | 0 | 0 | 329 |
| | | | | | 20 | 0 | 0 | 361 | 115 | 0 | 0 | 377 |
| | | | | | 115 | 0 | 0 | 377 | 179 | 0 | 0 | 388 |
| | | | | | 179 | 0 | 0 | 352 | 182 | 0 | 0 | 278 |
| | | | | | 182 | 0 | 0 | 102 | 183 | 0 | 0 | 62 |
| 30x20 | 1174 | 1223 | QFissi Solai | PolG | 0 | 0 | 0 | 199 | 4 | 0 | 0 | 257 |
| | | | | | 4 | 0 | 0 | 273 | 117 | 0 | 0 | 274 |
| | | | | | 117 | 0 | 0 | 274 | 192 | 0 | 0 | 276 |
| | | | | | 192 | 0 | 0 | 258 | 197 | 0 | 0 | 214 |
| 30x20 | 1174 | 1223 | QV Solai | PolG | 0 | 0 | 0 | 213 | 4 | 0 | 0 | 271 |
| | | | | | 4 | 0 | 0 | 287 | 117 | 0 | 0 | 288 |
| | | | | | 117 | 0 | 0 | 288 | 192 | 0 | 0 | 289 |
| | | | | | 192 | 0 | 0 | 271 | 197 | 0 | 0 | 228 |
| 30x20 | 1174 | 1223 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 149 | 4 | 0 | 0 | 190 |
| | | | | | 4 | 0 | 0 | 201 | 192 | 0 | 0 | 202 |
| | | | | | 192 | 0 | 0 | 190 | 197 | 0 | 0 | 159 |
| 30x20 | 1174 | 1223 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 107 | 4 | 0 | 0 | 147 |
| | | | | | 4 | 0 | 0 | 158 | 192 | 0 | 0 | 163 |
| | | | | | 192 | 0 | 0 | 150 | 197 | 0 | 0 | 120 |
| 30x20 | 1174 | 1223 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 64 | 4 | 0 | 0 | 99 |
| | | | | | 4 | 0 | 0 | 108 | 192 | 0 | 0 | 114 |
| | | | | | 192 | 0 | 0 | 103 | 197 | 0 | 0 | 77 |
| **Trave 102** | | | | | | | | | | | | |
| 30x20 | 1114 | 1109 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 201 | 0 | 0 | 150 |
| 30x20 | 111 | 110 | QP Solai | PolG | 14 | 0 | 0 | 1011 | 16 | 0 | 0 | 1011 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 9 | | | | | | | | | | |
| | | | | | 16 | 0 | 0 | 1015 | 24 | 0 | 0 | 1389 |
| | | | | | 24 | 0 | 0 | 1389 | 35 | 0 | 0 | 1857 |
| | | | | | 35 | 0 | 0 | 1857 | 44 | 0 | 0 | 2287 |
| | | | | | 44 | 0 | 0 | 2287 | 164 | 0 | 0 | 2323 |
| | | | | | 164 | 0 | 0 | 2323 | 185 | 0 | 0 | 1245 |
| 30x20 | 1114 | 1109 | QFissi Solai | PolG | 0 | 0 | 0 | 415 | 10 | 0 | 0 | 574 |
| | | | | | 10 | 0 | 0 | 574 | 20 | 0 | 0 | 749 |
| | | | | | 20 | 0 | 0 | 749 | 31 | 0 | 0 | 929 |
| | | | | | 31 | 0 | 0 | 929 | 178 | 0 | 0 | 945 |
| | | | | | 178 | 0 | 0 | 945 | 201 | 0 | 0 | 502 |
| 30x20 | 1114 | 1109 | QV Solai | PolG | 0 | 0 | 0 | 415 | 10 | 0 | 0 | 574 |
| | | | | | 10 | 0 | 0 | 574 | 20 | 0 | 0 | 749 |
| | | | | | 20 | 0 | 0 | 749 | 31 | 0 | 0 | 929 |
| | | | | | 31 | 0 | 0 | 929 | 178 | 0 | 0 | 945 |
| | | | | | 178 | 0 | 0 | 945 | 201 | 0 | 0 | 502 |
| 30x20 | 1114 | 1109 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 290 | 10 | 0 | 0 | 402 |
| | | | | | 10 | 0 | 0 | 402 | 20 | 0 | 0 | 525 |
| | | | | | 20 | 0 | 0 | 525 | 31 | 0 | 0 | 650 |
| | | | | | 31 | 0 | 0 | 650 | 178 | 0 | 0 | 662 |
| | | | | | 178 | 0 | 0 | 662 | 201 | 0 | 0 | 352 |
| 30x20 | 1114 | 1109 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 290 | 10 | 0 | 0 | 402 |
| | | | | | 10 | 0 | 0 | 402 | 20 | 0 | 0 | 525 |
| | | | | | 20 | 0 | 0 | 525 | 31 | 0 | 0 | 650 |
| | | | | | 31 | 0 | 0 | 650 | 178 | 0 | 0 | 662 |
| | | | | | 178 | 0 | 0 | 662 | 201 | 0 | 0 | 352 |
| 30x20 | 1114 | 1109 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 249 | 10 | 0 | 0 | 344 |
| | | | | | 10 | 0 | 0 | 344 | 20 | 0 | 0 | 450 |
| | | | | | 20 | 0 | 0 | 450 | 31 | 0 | 0 | 557 |
| | | | | | 31 | 0 | 0 | 557 | 178 | 0 | 0 | 567 |
| | | | | | 178 | 0 | 0 | 567 | 201 | 0 | 0 | 301 |
| 30x20 | 1115 | 1114 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 76 | 0 | 0 | 150 |
| 30x20 | 1115 | 1114 | QP Solai | PolG | 0 | 0 | 0 | 241 | 60 | 0 | 0 | 241 |
| | | | | | 60 | 0 | 0 | 225 | 62 | 0 | 0 | 225 |
| 30x20 | 1115 | 1114 | QFissi Solai | PolG | 0 | 0 | 0 | 251 | 76 | 0 | 0 | 251 |
| 30x20 | 1115 | 1114 | QV Solai | PolG | 0 | 0 | 0 | 269 | 76 | 0 | 0 | 269 |
| 30x20 | 1115 | 1114 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 188 | 76 | 0 | 0 | 188 |
| 30x20 | 1115 | 1114 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 137 | 76 | 0 | 0 | 138 |
| 30x20 | 1115 | 1114 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 85 | 76 | 0 | 0 | 86 |
| 30x20 | 1117 | 1115 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1117 | 1115 | QP Solai | PolG | 0 | 0 | 0 | 241 | 120 | 0 | 0 | 241 |
| 30x20 | 1117 | 1115 | QFissi Solai | PolG | 0 | 0 | 0 | 251 | 120 | 0 | 0 | 251 |
| 30x20 | 1117 | 1115 | QV Solai | PolG | 0 | 0 | 0 | 269 | 120 | 0 | 0 | 269 |
| 30x20 | 1117 | 1115 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 188 | 120 | 0 | 0 | 188 |
| 30x20 | 1117 | 1115 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 136 | 120 | 0 | 0 | 137 |
| 30x20 | 111 | 111 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 84 | 120 | 0 | 0 | 85 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 5 | | | | | | | | | | |
| 30x20 | 1121 | 1117 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 225 | 0 | 0 | 150 |
| 30x20 | 1121 | 1117 | QP Solai | PolG | 15 | 0 | 0 | 241 | 225 | 0 | 0 | 241 |
| 30x20 | 1121 | 1117 | QFissi Solai | PolG | 0 | 0 | 0 | 251 | 225 | 0 | 0 | 251 |
| 30x20 | 1121 | 1117 | QV Solai | PolG | 0 | 0 | 0 | 269 | 225 | 0 | 0 | 269 |
| 30x20 | 1121 | 1117 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 188 | 225 | 0 | 0 | 188 |
| 30x20 | 1121 | 1117 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 134 | 225 | 0 | 0 | 136 |
| 30x20 | 1121 | 1117 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 81 | 225 | 0 | 0 | 84 |
| **Trave 103** | | | | | | | | | | | | |
| 30x20 | 1154 | 1150 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 196 | 0 | 0 | 150 |
| 30x20 | 1154 | 1150 | QP Solai | PolG | 15 | 0 | 0 | 1266 | 25 | 0 | 0 | 1719 |
| | | | | | 25 | 0 | 0 | 1719 | 36 | 0 | 0 | 2181 |
| | | | | | 36 | 0 | 0 | 2181 | 43 | 0 | 0 | 2477 |
| | | | | | 43 | 0 | 0 | 2477 | 157 | 0 | 0 | 2481 |
| | | | | | 157 | 0 | 0 | 2481 | 182 | 0 | 0 | 1247 |
| 30x20 | 1154 | 1150 | QFissi Solai | PolG | 0 | 0 | 0 | 512 | 12 | 0 | 0 | 700 |
| | | | | | 12 | 0 | 0 | 700 | 22 | 0 | 0 | 873 |
| | | | | | 22 | 0 | 0 | 873 | 30 | 0 | 0 | 1001 |
| | | | | | 30 | 0 | 0 | 1001 | 170 | 0 | 0 | 1003 |
| | | | | | 170 | 0 | 0 | 1003 | 196 | 0 | 0 | 505 |
| 30x20 | 1154 | 1150 | QV Solai | PolG | 0 | 0 | 0 | 512 | 12 | 0 | 0 | 700 |
| | | | | | 12 | 0 | 0 | 700 | 22 | 0 | 0 | 873 |
| | | | | | 22 | 0 | 0 | 873 | 30 | 0 | 0 | 1001 |
| | | | | | 30 | 0 | 0 | 1001 | 170 | 0 | 0 | 1003 |
| | | | | | 170 | 0 | 0 | 1003 | 196 | 0 | 0 | 505 |
| 30x20 | 1154 | 1150 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 358 | 12 | 0 | 0 | 490 |
| | | | | | 12 | 0 | 0 | 490 | 22 | 0 | 0 | 611 |
| | | | | | 22 | 0 | 0 | 611 | 30 | 0 | 0 | 701 |
| | | | | | 30 | 0 | 0 | 701 | 170 | 0 | 0 | 702 |
| | | | | | 170 | 0 | 0 | 702 | 196 | 0 | 0 | 353 |
| 30x20 | 1154 | 1150 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 358 | 12 | 0 | 0 | 490 |
| | | | | | 12 | 0 | 0 | 490 | 22 | 0 | 0 | 611 |
| | | | | | 22 | 0 | 0 | 611 | 30 | 0 | 0 | 701 |
| | | | | | 30 | 0 | 0 | 701 | 170 | 0 | 0 | 702 |
| | | | | | 170 | 0 | 0 | 702 | 196 | 0 | 0 | 353 |
| 30x20 | 1154 | 1150 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 307 | 12 | 0 | 0 | 420 |
| | | | | | 12 | 0 | 0 | 420 | 22 | 0 | 0 | 524 |
| | | | | | 22 | 0 | 0 | 524 | 30 | 0 | 0 | 601 |
| | | | | | 30 | 0 | 0 | 601 | 170 | 0 | 0 | 602 |
| | | | | | 170 | 0 | 0 | 602 | 196 | 0 | 0 | 303 |
| **Trave 104** | | | | | | | | | | | | |
| 30x20 | 1176 | 1174 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 193 | 0 | 0 | 150 |
| 30x20 | 1176 | 1174 | QP Solai | PolG | 0 | 0 | 0 | 513 | 17 | 0 | 0 | 515 |
| | | | | | 17 | 0 | 0 | 515 | 62 | 0 | 0 | 2250 |
| | | | | | 62 | 0 | 0 | 2250 | 137 | 0 | 0 | 2236 |
| | | | | | 137 | 0 | 0 | 2236 | 164 | 0 | 0 | 2230 |
| | | | | | 164 | 0 | 0 | 2230 | 177 | 0 | 0 | 1694 |
| | | | | | 177 | 0 | 0 | 1694 | 179 | 0 | 0 | 1693 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1176 | 1174 | QFissi Solai | PolG | 0 | 0 | 0 | 228 | 48 | 0 | 0 | 917 |
| | | | | | 48 | 0 | 0 | 917 | 137 | 0 | 0 | 911 |
| | | | | | 137 | 0 | 0 | 911 | 178 | 0 | 0 | 907 |
| | | | | | 178 | 0 | 0 | 907 | 193 | 0 | 0 | 670 |
| 30x20 | 1176 | 1174 | QV Solai | PolG | 0 | 0 | 0 | 228 | 48 | 0 | 0 | 917 |
| | | | | | 48 | 0 | 0 | 917 | 137 | 0 | 0 | 911 |
| | | | | | 137 | 0 | 0 | 911 | 178 | 0 | 0 | 907 |
| | | | | | 178 | 0 | 0 | 907 | 193 | 0 | 0 | 670 |
| 30x20 | 1176 | 1174 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 160 | 48 | 0 | 0 | 642 |
| | | | | | 48 | 0 | 0 | 642 | 137 | 0 | 0 | 637 |
| | | | | | 137 | 0 | 0 | 637 | 178 | 0 | 0 | 635 |
| | | | | | 178 | 0 | 0 | 635 | 193 | 0 | 0 | 469 |
| 30x20 | 1176 | 1174 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 160 | 48 | 0 | 0 | 642 |
| | | | | | 48 | 0 | 0 | 642 | 137 | 0 | 0 | 637 |
| | | | | | 137 | 0 | 0 | 637 | 178 | 0 | 0 | 635 |
| | | | | | 178 | 0 | 0 | 635 | 193 | 0 | 0 | 469 |
| 30x20 | 1176 | 1174 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 137 | 48 | 0 | 0 | 550 |
| | | | | | 48 | 0 | 0 | 550 | 137 | 0 | 0 | 546 |
| | | | | | 137 | 0 | 0 | 546 | 178 | 0 | 0 | 544 |
| | | | | | 178 | 0 | 0 | 544 | 193 | 0 | 0 | 402 |
| 30x20 | 1178 | 1176 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 53 | 0 | 0 | 150 |
| 30x20 | 1178 | 1176 | QP Solai | PolG | 14 | 0 | 0 | 508 | 45 | 0 | 0 | 512 |
| | | | | | 45 | 0 | 0 | 512 | 53 | 0 | 0 | 513 |
| 30x20 | 1178 | 1176 | QFissi Solai | PolG | 0 | 0 | 0 | 226 | 45 | 0 | 0 | 228 |
| | | | | | 45 | 0 | 0 | 228 | 53 | 0 | 0 | 228 |
| 30x20 | 1178 | 1176 | QV Solai | PolG | 0 | 0 | 0 | 226 | 45 | 0 | 0 | 228 |
| | | | | | 45 | 0 | 0 | 228 | 53 | 0 | 0 | 228 |
| 30x20 | 1178 | 1176 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 158 | 45 | 0 | 0 | 160 |
| | | | | | 45 | 0 | 0 | 160 | 53 | 0 | 0 | 160 |
| 30x20 | 1178 | 1176 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 158 | 45 | 0 | 0 | 160 |
| | | | | | 45 | 0 | 0 | 160 | 53 | 0 | 0 | 160 |
| 30x20 | 1178 | 1176 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 136 | 45 | 0 | 0 | 137 |
| | | | | | 45 | 0 | 0 | 137 | 53 | 0 | 0 | 137 |
| 30x20 | 1180 | 1178 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 295 | 0 | 0 | 150 |
| 30x20 | 1180 | 1178 | QP Solai | PolG | 0 | 0 | 0 | 736 | 225 | 0 | 0 | 738 |
| | | | | | 225 | 0 | 0 | 738 | 248 | 0 | 0 | 430 |
| | | | | | 248 | 0 | 0 | 430 | 257 | 0 | 0 | 296 |
| | | | | | 257 | 0 | 0 | 296 | 265 | 0 | 0 | 191 |
| | | | | | 265 | 0 | 0 | 191 | 279 | 0 | 0 | 0 |
| 30x20 | 1180 | 1178 | QFissi Solai | PolG | 0 | 0 | 0 | 770 | 240 | 0 | 0 | 772 |
| | | | | | 240 | 0 | 0 | 772 | 263 | 0 | 0 | 448 |
| | | | | | 263 | 0 | 0 | 448 | 273 | 0 | 0 | 314 |
| | | | | | 273 | 0 | 0 | 314 | 280 | 0 | 0 | 209 |
| | | | | | 280 | 0 | 0 | 209 | 295 | 0 | 0 | 0 |
| 30x20 | 1180 | 1178 | QV Solai | PolG | 0 | 0 | 0 | 825 | 240 | 0 | 0 | 827 |
| | | | | | 240 | 0 | 0 | 827 | 263 | 0 | 0 | 480 |
| | | | | | 263 | 0 | 0 | 480 | 273 | 0 | 0 | 337 |
| | | | | | 273 | 0 | 0 | 337 | 280 | 0 | 0 | 224 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 280 | 0 | 0 | 224 | 295 | 0 | 0 | 0 |
| 30x20 | 1180 | 1178 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 578 | 240 | 0 | 0 | 579 |
| | | | | | 240 | 0 | 0 | 579 | 263 | 0 | 0 | 336 |
| | | | | | 263 | 0 | 0 | 336 | 273 | 0 | 0 | 236 |
| | | | | | 273 | 0 | 0 | 236 | 280 | 0 | 0 | 157 |
| | | | | | 280 | 0 | 0 | 157 | 295 | 0 | 0 | 0 |
| 30x20 | 1180 | 1178 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 413 | 240 | 0 | 0 | 413 |
| | | | | | 240 | 0 | 0 | 413 | 263 | 0 | 0 | 240 |
| | | | | | 263 | 0 | 0 | 240 | 273 | 0 | 0 | 168 |
| | | | | | 273 | 0 | 0 | 168 | 280 | 0 | 0 | 112 |
| | | | | | 280 | 0 | 0 | 112 | 295 | 0 | 0 | 0 |
| 30x20 | 1180 | 1178 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 248 | 240 | 0 | 0 | 248 |
| | | | | | 240 | 0 | 0 | 248 | 263 | 0 | 0 | 144 |
| | | | | | 263 | 0 | 0 | 144 | 273 | 0 | 0 | 101 |
| | | | | | 273 | 0 | 0 | 101 | 280 | 0 | 0 | 67 |
| | | | | | 280 | 0 | 0 | 67 | 295 | 0 | 0 | 0 |
| 30x20 | 1181 | 1180 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1181 | 1180 | QP Solai | PolG | 0 | 0 | 0 | 736 | 120 | 0 | 0 | 736 |
| 30x20 | 1181 | 1180 | QFissi Solai | PolG | 0 | 0 | 0 | 769 | 120 | 0 | 0 | 770 |
| 30x20 | 1181 | 1180 | QV Solai | PolG | 0 | 0 | 0 | 824 | 120 | 0 | 0 | 825 |
| 30x20 | 1181 | 1180 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 577 | 120 | 0 | 0 | 578 |
| 30x20 | 1181 | 1180 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 412 | 120 | 0 | 0 | 413 |
| 30x20 | 1181 | 1180 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 247 | 120 | 0 | 0 | 248 |
| 30x20 | 1183 | 1181 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 312 | 0 | 0 | 150 |
| 30x20 | 1183 | 1181 | QP Solai | PolG | 15 | 0 | 0 | 734 | 312 | 0 | 0 | 736 |
| 30x20 | 1183 | 1181 | QFissi Solai | PolG | 0 | 0 | 0 | 768 | 312 | 0 | 0 | 769 |
| 30x20 | 1183 | 1181 | QV Solai | PolG | 0 | 0 | 0 | 822 | 312 | 0 | 0 | 824 |
| 30x20 | 1183 | 1181 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 576 | 312 | 0 | 0 | 577 |
| 30x20 | 1183 | 1181 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 411 | 312 | 0 | 0 | 412 |
| 30x20 | 1183 | 1181 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 247 | 312 | 0 | 0 | 247 |
| 30x20 | 1186 | 1183 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 338 | 0 | 0 | 150 |
| 30x20 | 1186 | 1183 | QP Solai | PolG | 0 | 0 | 0 | 728 | 322 | 0 | 0 | 730 |
| 30x20 | 1186 | 1183 | QFissi Solai | PolG | 0 | 0 | 0 | 762 | 338 | 0 | 0 | 764 |
| 30x20 | 1186 | 1183 | QV Solai | PolG | 0 | 0 | 0 | 816 | 338 | 0 | 0 | 818 |
| 30x20 | 1186 | 1183 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 571 | 338 | 0 | 0 | 573 |
| 30x20 | 1186 | 1183 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 408 | 338 | 0 | 0 | 409 |
| 30x20 | 1186 | 1183 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 245 | 338 | 0 | 0 | 245 |
| 30x20 | 1187 | 1186 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1187 | 1186 | QP Solai | PolG | 0 | 0 | 0 | 727 | 120 | 0 | 0 | 728 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1187 | 1186 | QFissi Solai | PolG | 0 | 0 | 0 | 761 | 120 | 0 | 0 | 762 |
| 30x20 | 1187 | 1186 | QV Solai | PolG | 0 | 0 | 0 | 815 | 120 | 0 | 0 | 816 |
| 30x20 | 1187 | 1186 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 571 | 120 | 0 | 0 | 571 |
| 30x20 | 1187 | 1186 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 408 | 120 | 0 | 0 | 408 |
| 30x20 | 1187 | 1186 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 245 | 120 | 0 | 0 | 245 |
| 30x20 | 1189 | 1187 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 318 | 0 | 0 | 150 |
| 30x20 | 1189 | 1187 | QP Solai | PolG | 16 | 0 | 0 | 4 | 23 | 0 | 0 | 126 |
| | | | | | 23 | 0 | 0 | 126 | 50 | 0 | 0 | 613 |
| | | | | | 50 | 0 | 0 | 613 | 56 | 0 | 0 | 726 |
| | | | | | 56 | 0 | 0 | 726 | 318 | 0 | 0 | 727 |
| 30x20 | 1189 | 1187 | QFissi Solai | PolG | 0 | 0 | 0 | 4 | 8 | 0 | 0 | 144 |
| | | | | | 8 | 0 | 0 | 144 | 35 | 0 | 0 | 631 |
| | | | | | 35 | 0 | 0 | 631 | 42 | 0 | 0 | 759 |
| | | | | | 42 | 0 | 0 | 759 | 318 | 0 | 0 | 761 |
| 30x20 | 1189 | 1187 | QV Solai | PolG | 0 | 0 | 0 | 4 | 8 | 0 | 0 | 154 |
| | | | | | 8 | 0 | 0 | 154 | 35 | 0 | 0 | 676 |
| | | | | | 35 | 0 | 0 | 676 | 42 | 0 | 0 | 814 |
| | | | | | 42 | 0 | 0 | 814 | 318 | 0 | 0 | 815 |
| 30x20 | 1189 | 1187 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 108 |
| | | | | | 8 | 0 | 0 | 108 | 35 | 0 | 0 | 473 |
| | | | | | 35 | 0 | 0 | 473 | 42 | 0 | 0 | 570 |
| | | | | | 42 | 0 | 0 | 570 | 318 | 0 | 0 | 571 |
| 30x20 | 1189 | 1187 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 77 |
| | | | | | 8 | 0 | 0 | 77 | 35 | 0 | 0 | 338 |
| | | | | | 35 | 0 | 0 | 338 | 42 | 0 | 0 | 407 |
| | | | | | 42 | 0 | 0 | 407 | 318 | 0 | 0 | 408 |
| 30x20 | 1189 | 1187 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 46 |
| | | | | | 8 | 0 | 0 | 46 | 35 | 0 | 0 | 203 |
| | | | | | 35 | 0 | 0 | 203 | 42 | 0 | 0 | 244 |
| | | | | | 42 | 0 | 0 | 244 | 318 | 0 | 0 | 245 |
| 30x20 | 1190 | 1189 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 192 | 0 | 0 | 150 |
| 30x20 | 1190 | 1189 | QP Solai | PolG | 14 | 0 | 0 | 1218 | 16 | 0 | 0 | 1218 |
| | | | | | 16 | 0 | 0 | 1222 | 25 | 0 | 0 | 1258 |
| | | | | | 25 | 0 | 0 | 1258 | 54 | 0 | 0 | 1374 |
| | | | | | 54 | 0 | 0 | 1374 | 63 | 0 | 0 | 1409 |
| | | | | | 63 | 0 | 0 | 1409 | 152 | 0 | 0 | 1423 |
| | | | | | 152 | 0 | 0 | 1423 | 177 | 0 | 0 | 183 |
| | | | | | 177 | 0 | 0 | 180 | 178 | 0 | 0 | 180 |
| 30x20 | 1190 | 1189 | QFissi Solai | PolG | 0 | 0 | 0 | 496 | 10 | 0 | 0 | 536 |
| | | | | | 10 | 0 | 0 | 536 | 39 | 0 | 0 | 649 |
| | | | | | 39 | 0 | 0 | 649 | 49 | 0 | 0 | 687 |
| | | | | | 49 | 0 | 0 | 687 | 166 | 0 | 0 | 692 |
| | | | | | 166 | 0 | 0 | 692 | 192 | 0 | 0 | 190 |
| 30x20 | 1190 | 1189 | QV Solai | PolG | 0 | 0 | 0 | 496 | 10 | 0 | 0 | 539 |
| | | | | | 10 | 0 | 0 | 539 | 39 | 0 | 0 | 660 |
| | | | | | 39 | 0 | 0 | 660 | 49 | 0 | 0 | 700 |
| | | | | | 49 | 0 | 0 | 700 | 166 | 0 | 0 | 706 |
| | | | | | 166 | 0 | 0 | 706 | 192 | 0 | 0 | 203 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1190 | 1189 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 347 | 10 | 0 | 0 | 377 |
| | | | | | 10 | 0 | 0 | 377 | 39 | 0 | 0 | 462 |
| | | | | | 39 | 0 | 0 | 462 | 49 | 0 | 0 | 490 |
| | | | | | 49 | 0 | 0 | 490 | 166 | 0 | 0 | 494 |
| | | | | | 166 | 0 | 0 | 494 | 192 | 0 | 0 | 142 |
| 30x20 | 1190 | 1189 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 347 | 10 | 0 | 0 | 368 |
| | | | | | 10 | 0 | 0 | 368 | 39 | 0 | 0 | 429 |
| | | | | | 39 | 0 | 0 | 429 | 49 | 0 | 0 | 449 |
| | | | | | 49 | 0 | 0 | 449 | 166 | 0 | 0 | 453 |
| | | | | | 166 | 0 | 0 | 453 | 192 | 0 | 0 | 102 |
| 30x20 | 1190 | 1189 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 296 | 10 | 0 | 0 | 309 |
| | | | | | 10 | 0 | 0 | 309 | 39 | 0 | 0 | 346 |
| | | | | | 39 | 0 | 0 | 346 | 49 | 0 | 0 | 359 |
| | | | | | 49 | 0 | 0 | 359 | 166 | 0 | 0 | 363 |
| | | | | | 166 | 0 | 0 | 363 | 192 | 0 | 0 | 61 |
| 30x20 | 1192 | 1190 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 73 | 0 | 0 | 150 |
| 30x20 | 1192 | 1190 | QP Solai | PolG | 0 | 0 | 0 | 428 | 7 | 0 | 0 | 401 |
| | | | | | 7 | 0 | 0 | 401 | 18 | 0 | 0 | 360 |
| | | | | | 18 | 0 | 0 | 360 | 29 | 0 | 0 | 319 |
| | | | | | 29 | 0 | 0 | 319 | 40 | 0 | 0 | 275 |
| | | | | | 40 | 0 | 0 | 275 | 51 | 0 | 0 | 235 |
| | | | | | 51 | 0 | 0 | 235 | 58 | 0 | 0 | 209 |
| 30x20 | 1192 | 1190 | QFissi Solai | PolG | 0 | 0 | 0 | 452 | 12 | 0 | 0 | 452 |
| | | | | | 12 | 0 | 0 | 452 | 21 | 0 | 0 | 416 |
| | | | | | 21 | 0 | 0 | 416 | 32 | 0 | 0 | 375 |
| | | | | | 32 | 0 | 0 | 375 | 43 | 0 | 0 | 334 |
| | | | | | 43 | 0 | 0 | 334 | 54 | 0 | 0 | 290 |
| | | | | | 54 | 0 | 0 | 290 | 65 | 0 | 0 | 250 |
| | | | | | 65 | 0 | 0 | 250 | 73 | 0 | 0 | 220 |
| 30x20 | 1192 | 1190 | QV Solai | PolG | 0 | 0 | 0 | 485 | 12 | 0 | 0 | 485 |
| | | | | | 12 | 0 | 0 | 485 | 21 | 0 | 0 | 445 |
| | | | | | 21 | 0 | 0 | 445 | 32 | 0 | 0 | 402 |
| | | | | | 32 | 0 | 0 | 402 | 43 | 0 | 0 | 358 |
| | | | | | 43 | 0 | 0 | 358 | 54 | 0 | 0 | 311 |
| | | | | | 54 | 0 | 0 | 311 | 65 | 0 | 0 | 268 |
| | | | | | 65 | 0 | 0 | 268 | 73 | 0 | 0 | 236 |
| 30x20 | 1192 | 1190 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 339 | 12 | 0 | 0 | 339 |
| | | | | | 12 | 0 | 0 | 339 | 21 | 0 | 0 | 312 |
| | | | | | 21 | 0 | 0 | 312 | 32 | 0 | 0 | 281 |
| | | | | | 32 | 0 | 0 | 281 | 43 | 0 | 0 | 251 |
| | | | | | 43 | 0 | 0 | 251 | 54 | 0 | 0 | 218 |
| | | | | | 54 | 0 | 0 | 218 | 65 | 0 | 0 | 187 |
| | | | | | 65 | 0 | 0 | 187 | 73 | 0 | 0 | 165 |
| 30x20 | 1192 | 1190 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 242 | 12 | 0 | 0 | 242 |
| | | | | | 12 | 0 | 0 | 242 | 21 | 0 | 0 | 223 |
| | | | | | 21 | 0 | 0 | 223 | 32 | 0 | 0 | 201 |
| | | | | | 32 | 0 | 0 | 201 | 43 | 0 | 0 | 179 |
| | | | | | 43 | 0 | 0 | 179 | 54 | 0 | 0 | 155 |
| | | | | | 54 | 0 | 0 | 155 | 65 | 0 | 0 | 134 |
| | | | | | 65 | 0 | 0 | 134 | 73 | 0 | 0 | 118 |
| 30x20 | 1192 | 1190 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 145 | 12 | 0 | 0 | 145 |
| | | | | | 12 | 0 | 0 | 145 | 21 | 0 | 0 | 134 |
| | | | | | 21 | 0 | 0 | 134 | 32 | 0 | 0 | 121 |
| | | | | | 32 | 0 | 0 | 121 | 43 | 0 | 0 | 107 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 43 | 0 | 0 | 107 | 54 | 0 | 0 | 93 |
| | | | | | 54 | 0 | 0 | 93 | 65 | 0 | 0 | 80 |
| | | | | | 65 | 0 | 0 | 80 | 73 | 0 | 0 | 71 |
| 30x20 | 1193 | 1192 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1193 | 1192 | QP Solai | PolG | 0 | 0 | 0 | 432 | 119 | 0 | 0 | 433 |
| | | | | | 119 | 0 | 0 | 208 | 120 | 0 | 0 | 208 |
| 30x20 | 1193 | 1192 | QFissi Solai | PolG | 0 | 0 | 0 | 451 | 120 | 0 | 0 | 452 |
| 30x20 | 1193 | 1192 | QV Solai | PolG | 0 | 0 | 0 | 483 | 120 | 0 | 0 | 484 |
| 30x20 | 1193 | 1192 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 338 | 120 | 0 | 0 | 339 |
| 30x20 | 1193 | 1192 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 242 | 120 | 0 | 0 | 242 |
| 30x20 | 1193 | 1192 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 145 | 120 | 0 | 0 | 145 |
| 30x20 | 1195 | 1193 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 290 | 0 | 0 | 150 |
| 30x20 | 1195 | 1193 | QP Solai | PolG | 14 | 0 | 0 | 203 | 16 | 0 | 0 | 203 |
| | | | | | 16 | 0 | 0 | 431 | 227 | 0 | 0 | 432 |
| | | | | | 227 | 0 | 0 | 432 | 290 | 0 | 0 | 433 |
| 30x20 | 1195 | 1193 | QFissi Solai | PolG | 0 | 0 | 0 | 450 | 225 | 0 | 0 | 451 |
| | | | | | 225 | 0 | 0 | 451 | 290 | 0 | 0 | 451 |
| 30x20 | 1195 | 1193 | QV Solai | PolG | 0 | 0 | 0 | 482 | 225 | 0 | 0 | 483 |
| | | | | | 225 | 0 | 0 | 483 | 290 | 0 | 0 | 484 |
| 30x20 | 1195 | 1193 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 337 | 225 | 0 | 0 | 338 |
| | | | | | 225 | 0 | 0 | 338 | 290 | 0 | 0 | 339 |
| 30x20 | 1195 | 1193 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 241 | 290 | 0 | 0 | 242 |
| 30x20 | 1195 | 1193 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 145 | 290 | 0 | 0 | 145 |
| **Trave 105** | | | | | | | | | | | | |
| 30x20 | 1004 | 1006 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 240 | 0 | 0 | 150 |
| 30x20 | 1004 | 1006 | QP Solai | PolG | 15 | 0 | 0 | 143 | 215 | 0 | 0 | 177 |
| | | | | | 215 | 0 | 0 | 177 | 225 | 0 | 0 | 36 |
| 30x20 | 1004 | 1006 | QFissi Solai | PolG | 0 | 0 | 0 | 63 | 228 | 0 | 0 | 77 |
| | | | | | 228 | 0 | 0 | 77 | 240 | 0 | 0 | 15 |
| 30x20 | 1004 | 1006 | QV Solai | PolG | 0 | 0 | 0 | 63 | 228 | 0 | 0 | 77 |
| | | | | | 228 | 0 | 0 | 77 | 240 | 0 | 0 | 15 |
| 30x20 | 1004 | 1006 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 44 | 228 | 0 | 0 | 54 |
| | | | | | 228 | 0 | 0 | 54 | 240 | 0 | 0 | 11 |
| 30x20 | 1004 | 1006 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 44 | 228 | 0 | 0 | 54 |
| | | | | | 228 | 0 | 0 | 54 | 240 | 0 | 0 | 11 |
| 30x20 | 1004 | 1006 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 38 | 228 | 0 | 0 | 46 |
| | | | | | 228 | 0 | 0 | 46 | 240 | 0 | 0 | 9 |
| 30x20 | 1006 | 1007 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 552 | 0 | 0 | 150 |
| 30x20 | 1006 | 1007 | QP Solai | PolG | 15 | 0 | 0 | 580 | 130 | 0 | 0 | 580 |
| | | | | | 130 | 0 | 0 | 580 | 538 | 0 | 0 | 578 |
| 30x20 | 1006 | 1007 | QFissi Solai | PolG | 0 | 0 | 0 | 622 | 128 | 0 | 0 | 622 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 128 | 0 | 0 | 622 | 552 | 0 | 0 | 620 |
| 30x20 | 1006 | 1007 | QV Solai | PolG | 0 | 0 | 0 | 666 | 128 | 0 | 0 | 666 |
| | | | | | 128 | 0 | 0 | 666 | 552 | 0 | 0 | 665 |
| 30x20 | 1006 | 1007 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 466 | 552 | 0 | 0 | 465 |
| 30x20 | 1006 | 1007 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 466 | 552 | 0 | 0 | 465 |
| 30x20 | 1006 | 1007 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 400 | 552 | 0 | 0 | 399 |
| 30x20 | 1007 | 1009 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 560 | 0 | 0 | 150 |
| 30x20 | 1007 | 1009 | QP Solai | PolG | 19 | 0 | 0 | 0 | 44 | 0 | 0 | 121 |
| | | | | | 44 | 0 | 0 | 121 | 52 | 0 | 0 | 159 |
| | | | | | 52 | 0 | 0 | 159 | 510 | 0 | 0 | 236 |
| | | | | | 510 | 0 | 0 | 236 | 546 | 0 | 0 | 88 |
| 30x20 | 1007 | 1009 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 127 |
| | | | | | 27 | 0 | 0 | 127 | 36 | 0 | 0 | 168 |
| | | | | | 36 | 0 | 0 | 168 | 522 | 0 | 0 | 250 |
| | | | | | 522 | 0 | 0 | 250 | 560 | 0 | 0 | 94 |
| 30x20 | 1007 | 1009 | QV Solai | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 136 |
| | | | | | 27 | 0 | 0 | 136 | 36 | 0 | 0 | 180 |
| | | | | | 36 | 0 | 0 | 180 | 522 | 0 | 0 | 268 |
| | | | | | 522 | 0 | 0 | 268 | 560 | 0 | 0 | 100 |
| 30x20 | 1007 | 1009 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 95 |
| | | | | | 27 | 0 | 0 | 95 | 36 | 0 | 0 | 126 |
| | | | | | 36 | 0 | 0 | 126 | 522 | 0 | 0 | 187 |
| | | | | | 522 | 0 | 0 | 187 | 560 | 0 | 0 | 70 |
| 30x20 | 1007 | 1009 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 68 |
| | | | | | 27 | 0 | 0 | 68 | 36 | 0 | 0 | 90 |
| | | | | | 36 | 0 | 0 | 90 | 522 | 0 | 0 | 134 |
| | | | | | 522 | 0 | 0 | 134 | 560 | 0 | 0 | 50 |
| 30x20 | 1007 | 1009 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 41 |
| | | | | | 27 | 0 | 0 | 41 | 36 | 0 | 0 | 54 |
| | | | | | 36 | 0 | 0 | 54 | 522 | 0 | 0 | 80 |
| | | | | | 522 | 0 | 0 | 80 | 560 | 0 | 0 | 30 |
| 30x20 | 1009 | 1013 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 584 | 0 | 0 | 150 |
| 30x20 | 1009 | 1013 | QP Solai | PolG | 16 | 0 | 0 | 617 | 152 | 0 | 0 | 623 |
| | | | | | 152 | 0 | 0 | 623 | 503 | 0 | 0 | 639 |
| | | | | | 503 | 0 | 0 | 639 | 540 | 0 | 0 | 641 |
| | | | | | 540 | 0 | 0 | 641 | 570 | 0 | 0 | 24 |
| 30x20 | 1009 | 1013 | QFissi Solai | PolG | 0 | 0 | 0 | 650 | 147 | 0 | 0 | 657 |
| | | | | | 147 | 0 | 0 | 657 | 498 | 0 | 0 | 673 |
| | | | | | 498 | 0 | 0 | 673 | 552 | 0 | 0 | 675 |
| | | | | | 552 | 0 | 0 | 675 | 584 | 0 | 0 | 25 |
| 30x20 | 1009 | 1013 | QV Solai | PolG | 0 | 0 | 0 | 697 | 147 | 0 | 0 | 704 |
| | | | | | 147 | 0 | 0 | 704 | 498 | 0 | 0 | 721 |
| | | | | | 498 | 0 | 0 | 721 | 552 | 0 | 0 | 724 |
| | | | | | 552 | 0 | 0 | 724 | 584 | 0 | 0 | 27 |
| 30x20 | 1009 | 1013 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 488 | 498 | 0 | 0 | 505 |
| | | | | | 498 | 0 | 0 | 505 | 552 | 0 | 0 | 507 |
| | | | | | 552 | 0 | 0 | 507 | 584 | 0 | 0 | 19 |
| 30x20 | 100 | 101 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 348 | 552 | 0 | 0 | 362 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 3 | | | | | | | | | | |
| | | | | | 552 | 0 | 0 | 362 | 584 | 0 | 0 | 13 |
| 30x20 | 1009 | 1013 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 209 | 552 | 0 | 0 | 217 |
| | | | | | 552 | 0 | 0 | 217 | 584 | 0 | 0 | 8 |
| 30x20 | 1012 | 1004 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 375 | 0 | 0 | 150 |
| 30x20 | 1012 | 1004 | QP Solai | PolG | 15 | 0 | 0 | 476 | 339 | 0 | 0 | 528 |
| | | | | | 339 | 0 | 0 | 528 | 353 | 0 | 0 | 214 |
| | | | | | 353 | 0 | 0 | 214 | 360 | 0 | 0 | 59 |
| 30x20 | 1012 | 1004 | QFissi Solai | PolG | 0 | 0 | 0 | 188 | 352 | 0 | 0 | 209 |
| | | | | | 352 | 0 | 0 | 209 | 367 | 0 | 0 | 86 |
| | | | | | 367 | 0 | 0 | 86 | 375 | 0 | 0 | 24 |
| 30x20 | 1012 | 1004 | QV Solai | PolG | 0 | 0 | 0 | 188 | 352 | 0 | 0 | 209 |
| | | | | | 352 | 0 | 0 | 209 | 367 | 0 | 0 | 86 |
| | | | | | 367 | 0 | 0 | 86 | 375 | 0 | 0 | 24 |
| 30x20 | 1012 | 1004 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 131 | 352 | 0 | 0 | 146 |
| | | | | | 352 | 0 | 0 | 146 | 367 | 0 | 0 | 60 |
| | | | | | 367 | 0 | 0 | 60 | 375 | 0 | 0 | 17 |
| 30x20 | 1012 | 1004 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 131 | 352 | 0 | 0 | 146 |
| | | | | | 352 | 0 | 0 | 146 | 367 | 0 | 0 | 60 |
| | | | | | 367 | 0 | 0 | 60 | 375 | 0 | 0 | 17 |
| 30x20 | 1012 | 1004 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 113 | 352 | 0 | 0 | 125 |
| | | | | | 352 | 0 | 0 | 125 | 367 | 0 | 0 | 52 |
| | | | | | 367 | 0 | 0 | 52 | 375 | 0 | 0 | 14 |
| 30x20 | 1013 | 1017 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 393 | 0 | 0 | 150 |
| 30x20 | 1013 | 1017 | QP Solai | PolG | 17 | 0 | 0 | 618 | 388 | 0 | 0 | 635 |
| 30x20 | 1013 | 1017 | QFissi Solai | PolG | 0 | 0 | 0 | 652 | 393 | 0 | 0 | 670 |
| 30x20 | 1013 | 1017 | QV Solai | PolG | 0 | 0 | 0 | 699 | 393 | 0 | 0 | 718 |
| 30x20 | 1013 | 1017 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 489 | 393 | 0 | 0 | 502 |
| 30x20 | 1013 | 1017 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 349 | 393 | 0 | 0 | 359 |
| 30x20 | 1013 | 1017 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 210 | 393 | 0 | 0 | 215 |
| **Trave 106** | | | | | | | | | | | | |
| 30x20 | 1216 | 1219 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 60 | 0 | 0 | 150 |
| 30x20 | 1216 | 1219 | QP Solai | PolG | 14 | 0 | 0 | 1510 | 16 | 0 | 0 | 1510 |
| | | | | | 16 | 0 | 0 | 1514 | 29 | 0 | 0 | 2017 |
| | | | | | 29 | 0 | 0 | 2017 | 60 | 0 | 0 | 2018 |
| 30x20 | 1216 | 1219 | QFissi Solai | PolG | 0 | 0 | 0 | 604 | 15 | 0 | 0 | 829 |
| | | | | | 15 | 0 | 0 | 829 | 60 | 0 | 0 | 829 |
| 30x20 | 1216 | 1219 | QV Solai | PolG | 0 | 0 | 0 | 604 | 15 | 0 | 0 | 829 |
| | | | | | 15 | 0 | 0 | 829 | 60 | 0 | 0 | 829 |
| 30x20 | 1216 | 1219 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 423 | 15 | 0 | 0 | 580 |
| | | | | | 15 | 0 | 0 | 580 | 60 | 0 | 0 | 580 |
| 30x20 | 1216 | 1219 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 423 | 15 | 0 | 0 | 580 |
| | | | | | 15 | 0 | 0 | 580 | 60 | 0 | 0 | 580 |
| 30x20 | 121 | 121 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 363 | 15 | 0 | 0 | 497 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 9 | | | | | | | | | | |
| | | | | | 15 | 0 | 0 | 497 | 60 | 0 | 0 | 497 |
| 30x20 | 1219 | 1222 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 145 | 0 | 0 | 150 |
| 30x20 | 1219 | 1222 | QP Solai | PolG | 0 | 0 | 0 | 2018 | 8 | 0 | 0 | 2019 |
| | | | | | 8 | 0 | 0 | 2019 | 145 | 0 | 0 | 2023 |
| 30x20 | 1219 | 1222 | QFissi Solai | PolG | 0 | 0 | 0 | 829 | 9 | 0 | 0 | 829 |
| | | | | | 9 | 0 | 0 | 829 | 145 | 0 | 0 | 831 |
| 30x20 | 1219 | 1222 | QV Solai | PolG | 0 | 0 | 0 | 829 | 9 | 0 | 0 | 829 |
| | | | | | 9 | 0 | 0 | 829 | 145 | 0 | 0 | 831 |
| 30x20 | 1219 | 1222 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 580 | 9 | 0 | 0 | 580 |
| | | | | | 9 | 0 | 0 | 580 | 145 | 0 | 0 | 582 |
| 30x20 | 1219 | 1222 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 580 | 9 | 0 | 0 | 580 |
| | | | | | 9 | 0 | 0 | 580 | 145 | 0 | 0 | 582 |
| 30x20 | 1219 | 1222 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 497 | 9 | 0 | 0 | 497 |
| | | | | | 9 | 0 | 0 | 497 | 145 | 0 | 0 | 498 |
| 30x20 | 1222 | 1223 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 42 | 0 | 0 | 150 |
| 30x20 | 1222 | 1223 | QP Solai | PolG | 0 | 0 | 0 | 2023 | 28 | 0 | 0 | 2024 |
| | | | | | 28 | 0 | 0 | 1492 | 42 | 0 | 0 | 1491 |
| 30x20 | 1222 | 1223 | QFissi Solai | PolG | 0 | 0 | 0 | 831 | 42 | 0 | 0 | 831 |
| 30x20 | 1222 | 1223 | QV Solai | PolG | 0 | 0 | 0 | 831 | 42 | 0 | 0 | 831 |
| 30x20 | 1222 | 1223 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 581 | 42 | 0 | 0 | 582 |
| 30x20 | 1222 | 1223 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 581 | 42 | 0 | 0 | 582 |
| 30x20 | 1222 | 1223 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 498 | 42 | 0 | 0 | 499 |
| 30x20 | 1223 | 1226 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 423 | 0 | 0 | 150 |
| 30x20 | 1223 | 1226 | QP Solai | PolG | 0 | 0 | 0 | 1491 | 16 | 0 | 0 | 1490 |
| | | | | | 16 | 0 | 0 | 1494 | 29 | 0 | 0 | 1696 |
| | | | | | 29 | 0 | 0 | 1696 | 47 | 0 | 0 | 1960 |
| | | | | | 47 | 0 | 0 | 1960 | 423 | 0 | 0 | 1923 |
| 30x20 | 1223 | 1226 | QFissi Solai | PolG | 0 | 0 | 0 | 599 | 15 | 0 | 0 | 820 |
| | | | | | 15 | 0 | 0 | 820 | 33 | 0 | 0 | 1100 |
| | | | | | 33 | 0 | 0 | 1100 | 423 | 0 | 0 | 1082 |
| 30x20 | 1223 | 1226 | QV Solai | PolG | 0 | 0 | 0 | 600 | 15 | 0 | 0 | 836 |
| | | | | | 15 | 0 | 0 | 836 | 33 | 0 | 0 | 1137 |
| | | | | | 33 | 0 | 0 | 1137 | 423 | 0 | 0 | 1118 |
| 30x20 | 1223 | 1226 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 420 | 15 | 0 | 0 | 585 |
| | | | | | 15 | 0 | 0 | 585 | 33 | 0 | 0 | 796 |
| | | | | | 33 | 0 | 0 | 796 | 423 | 0 | 0 | 782 |
| 30x20 | 1223 | 1226 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 419 | 15 | 0 | 0 | 537 |
| | | | | | 15 | 0 | 0 | 537 | 33 | 0 | 0 | 687 |
| | | | | | 33 | 0 | 0 | 687 | 423 | 0 | 0 | 675 |
| 30x20 | 1223 | 1226 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 358 | 15 | 0 | 0 | 429 |
| | | | | | 15 | 0 | 0 | 429 | 33 | 0 | 0 | 519 |
| | | | | | 33 | 0 | 0 | 519 | 423 | 0 | 0 | 510 |
| 30x20 | 122 | 122 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8 | | | | | | | | | | |
| 30x20 | 1226 | 1228 | QP Solai | PolG | 0 | 0 | 0 | 1923 | 120 | 0 | 0 | 1912 |
| 30x20 | 1226 | 1228 | QFissi Solai | PolG | 0 | 0 | 0 | 1082 | 120 | 0 | 0 | 1076 |
| 30x20 | 1226 | 1228 | QV Solai | PolG | 0 | 0 | 0 | 1118 | 34 | 0 | 0 | 1116 |
| | | | | | 34 | 0 | 0 | 1116 | 120 | 0 | 0 | 1112 |
| 30x20 | 1226 | 1228 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 782 | 120 | 0 | 0 | 778 |
| 30x20 | 1226 | 1228 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 675 | 120 | 0 | 0 | 672 |
| 30x20 | 1226 | 1228 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 510 | 120 | 0 | 0 | 507 |
| 30x20 | 1228 | 1229 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 117 | 0 | 0 | 150 |
| 30x20 | 1228 | 1229 | QP Solai | PolG | 0 | 0 | 0 | 1911 | 84 | 0 | 0 | 1903 |
| | | | | | 84 | 0 | 0 | 1903 | 94 | 0 | 0 | 1136 |
| | | | | | 94 | 0 | 0 | 1136 | 98 | 0 | 0 | 753 |
| | | | | | 98 | 0 | 0 | 753 | 102 | 0 | 0 | 476 |
| 30x20 | 1228 | 1229 | QFissi Solai | PolG | 0 | 0 | 0 | 1076 | 99 | 0 | 0 | 1072 |
| | | | | | 99 | 0 | 0 | 1072 | 108 | 0 | 0 | 767 |
| | | | | | 108 | 0 | 0 | 767 | 113 | 0 | 0 | 623 |
| | | | | | 113 | 0 | 0 | 623 | 117 | 0 | 0 | 501 |
| 30x20 | 1228 | 1229 | QV Solai | PolG | 0 | 0 | 0 | 1112 | 34 | 0 | 0 | 1110 |
| | | | | | 34 | 0 | 0 | 1110 | 99 | 0 | 0 | 1107 |
| | | | | | 99 | 0 | 0 | 1107 | 108 | 0 | 0 | 802 |
| | | | | | 108 | 0 | 0 | 802 | 113 | 0 | 0 | 658 |
| | | | | | 113 | 0 | 0 | 658 | 117 | 0 | 0 | 536 |
| 30x20 | 1228 | 1229 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 778 | 99 | 0 | 0 | 775 |
| | | | | | 99 | 0 | 0 | 775 | 108 | 0 | 0 | 562 |
| | | | | | 108 | 0 | 0 | 562 | 113 | 0 | 0 | 461 |
| | | | | | 113 | 0 | 0 | 461 | 117 | 0 | 0 | 375 |
| 30x20 | 1228 | 1229 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 672 | 99 | 0 | 0 | 669 |
| | | | | | 99 | 0 | 0 | 669 | 108 | 0 | 0 | 455 |
| | | | | | 108 | 0 | 0 | 455 | 113 | 0 | 0 | 355 |
| | | | | | 113 | 0 | 0 | 355 | 117 | 0 | 0 | 269 |
| 30x20 | 1228 | 1229 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 507 | 99 | 0 | 0 | 505 |
| | | | | | 99 | 0 | 0 | 505 | 108 | 0 | 0 | 322 |
| | | | | | 108 | 0 | 0 | 322 | 113 | 0 | 0 | 236 |
| | | | | | 113 | 0 | 0 | 236 | 117 | 0 | 0 | 163 |
| **Trave 107** | | | | | | | | | | | | |
| 30x20 | 1158 | 1157 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 424 | 0 | 0 | 150 |
| 30x20 | 1158 | 1157 | QP Solai | PolG | 0 | 0 | 0 | 1054 | 33 | 0 | 0 | 1053 |
| | | | | | 33 | 0 | 0 | 1053 | 370 | 0 | 0 | 1051 |
| | | | | | 370 | 0 | 0 | 1051 | 387 | 0 | 0 | 796 |
| | | | | | 387 | 0 | 0 | 796 | 408 | 0 | 0 | 474 |
| | | | | | 408 | 0 | 0 | 469 | 409 | 0 | 0 | 469 |
| 30x20 | 1158 | 1157 | QFissi Solai | PolG | 0 | 0 | 0 | 1121 | 34 | 0 | 0 | 1121 |
| | | | | | 34 | 0 | 0 | 1121 | 383 | 0 | 0 | 1118 |
| | | | | | 383 | 0 | 0 | 1118 | 401 | 0 | 0 | 847 |
| | | | | | 401 | 0 | 0 | 847 | 424 | 0 | 0 | 508 |
| 30x20 | 1158 | 1157 | QV Solai | PolG | 0 | 0 | 0 | 1201 | 34 | 0 | 0 | 1201 |
| | | | | | 34 | 0 | 0 | 1201 | 383 | 0 | 0 | 1198 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 383 | 0 | 0 | 1198 | 401 | 0 | 0 | 908 |
| | | | | | 401 | 0 | 0 | 908 | 424 | 0 | 0 | 544 |
| 30x20 | 1158 | 1157 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 841 | 34 | 0 | 0 | 841 |
| | | | | | 34 | 0 | 0 | 841 | 383 | 0 | 0 | 839 |
| | | | | | 383 | 0 | 0 | 839 | 401 | 0 | 0 | 635 |
| | | | | | 401 | 0 | 0 | 635 | 424 | 0 | 0 | 381 |
| 30x20 | 1158 | 1157 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 601 | 34 | 0 | 0 | 600 |
| | | | | | 34 | 0 | 0 | 600 | 383 | 0 | 0 | 599 |
| | | | | | 383 | 0 | 0 | 599 | 401 | 0 | 0 | 454 |
| | | | | | 401 | 0 | 0 | 454 | 424 | 0 | 0 | 272 |
| 30x20 | 1158 | 1157 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 360 | 34 | 0 | 0 | 360 |
| | | | | | 34 | 0 | 0 | 360 | 383 | 0 | 0 | 359 |
| | | | | | 383 | 0 | 0 | 359 | 401 | 0 | 0 | 272 |
| | | | | | 401 | 0 | 0 | 272 | 424 | 0 | 0 | 163 |
| 30x20 | 1159 | 1158 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1159 | 1158 | QP Solai | PolG | 0 | 0 | 0 | 1055 | 99 | 0 | 0 | 1054 |
| | | | | | 99 | 0 | 0 | 1054 | 120 | 0 | 0 | 1054 |
| 30x20 | 1159 | 1158 | QFissi Solai | PolG | 0 | 0 | 0 | 1122 | 99 | 0 | 0 | 1121 |
| | | | | | 99 | 0 | 0 | 1121 | 120 | 0 | 0 | 1121 |
| 30x20 | 1159 | 1158 | QV Solai | PolG | 0 | 0 | 0 | 1202 | 34 | 0 | 0 | 1202 |
| | | | | | 34 | 0 | 0 | 1202 | 99 | 0 | 0 | 1201 |
| | | | | | 99 | 0 | 0 | 1201 | 120 | 0 | 0 | 1201 |
| 30x20 | 1159 | 1158 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 842 | 99 | 0 | 0 | 841 |
| | | | | | 99 | 0 | 0 | 841 | 120 | 0 | 0 | 841 |
| 30x20 | 1159 | 1158 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 601 | 99 | 0 | 0 | 601 |
| | | | | | 99 | 0 | 0 | 601 | 120 | 0 | 0 | 601 |
| 30x20 | 1159 | 1158 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 361 | 120 | 0 | 0 | 360 |
| 30x20 | 1161 | 1159 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 100 | 0 | 0 | 150 |
| 30x20 | 1161 | 1159 | QP Solai | PolG | 15 | 0 | 0 | 594 | 18 | 0 | 0 | 665 |
| | | | | | 18 | 0 | 0 | 665 | 22 | 0 | 0 | 799 |
| | | | | | 22 | 0 | 0 | 799 | 28 | 0 | 0 | 966 |
| | | | | | 28 | 0 | 0 | 966 | 31 | 0 | 0 | 1055 |
| | | | | | 31 | 0 | 0 | 1055 | 79 | 0 | 0 | 1055 |
| | | | | | 79 | 0 | 0 | 1055 | 100 | 0 | 0 | 1055 |
| 30x20 | 1161 | 1159 | QFissi Solai | PolG | 0 | 0 | 0 | 628 | 3 | 0 | 0 | 716 |
| | | | | | 3 | 0 | 0 | 716 | 8 | 0 | 0 | 850 |
| | | | | | 8 | 0 | 0 | 850 | 13 | 0 | 0 | 1017 |
| | | | | | 13 | 0 | 0 | 1017 | 17 | 0 | 0 | 1123 |
| | | | | | 17 | 0 | 0 | 1123 | 79 | 0 | 0 | 1122 |
| | | | | | 79 | 0 | 0 | 1122 | 100 | 0 | 0 | 1122 |
| 30x20 | 1161 | 1159 | QV Solai | PolG | 0 | 0 | 0 | 673 | 3 | 0 | 0 | 767 |
| | | | | | 3 | 0 | 0 | 767 | 8 | 0 | 0 | 911 |
| | | | | | 8 | 0 | 0 | 911 | 13 | 0 | 0 | 1090 |
| | | | | | 13 | 0 | 0 | 1090 | 17 | 0 | 0 | 1203 |
| | | | | | 17 | 0 | 0 | 1203 | 79 | 0 | 0 | 1202 |
| | | | | | 79 | 0 | 0 | 1202 | 100 | 0 | 0 | 1202 |
| 30x20 | 1161 | 1159 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 471 | 3 | 0 | 0 | 537 |
| | | | | | 3 | 0 | 0 | 537 | 8 | 0 | 0 | 638 |
| | | | | | 8 | 0 | 0 | 638 | 13 | 0 | 0 | 763 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 13 | 0 | 0 | 763 | 17 | 0 | 0 | 842 |
| | | | | | 17 | 0 | 0 | 842 | 79 | 0 | 0 | 842 |
| | | | | | 79 | 0 | 0 | 842 | 100 | 0 | 0 | 842 |
| 30x20 | 1161 | 1159 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 336 | 3 | 0 | 0 | 384 |
| | | | | | 3 | 0 | 0 | 384 | 8 | 0 | 0 | 456 |
| | | | | | 8 | 0 | 0 | 456 | 13 | 0 | 0 | 545 |
| | | | | | 13 | 0 | 0 | 545 | 17 | 0 | 0 | 601 |
| | | | | | 17 | 0 | 0 | 601 | 100 | 0 | 0 | 601 |
| 30x20 | 1161 | 1159 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 202 | 3 | 0 | 0 | 230 |
| | | | | | 3 | 0 | 0 | 230 | 8 | 0 | 0 | 273 |
| | | | | | 8 | 0 | 0 | 273 | 13 | 0 | 0 | 327 |
| | | | | | 13 | 0 | 0 | 327 | 17 | 0 | 0 | 361 |
| | | | | | 17 | 0 | 0 | 361 | 100 | 0 | 0 | 361 |
| 30x20 | 1164 | 1161 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 199 | 0 | 0 | 150 |
| 30x20 | 1164 | 1161 | QP Solai | PolG | 8 | 0 | 0 | 995 | 10 | 0 | 0 | 995 |
| | | | | | 10 | 0 | 0 | 1944 | 20 | 0 | 0 | 1946 |
| | | | | | 20 | 0 | 0 | 1946 | 140 | 0 | 0 | 1966 |
| | | | | | 140 | 0 | 0 | 1966 | 172 | 0 | 0 | 1971 |
| | | | | | 172 | 0 | 0 | 1971 | 175 | 0 | 0 | 1740 |
| | | | | | 175 | 0 | 0 | 1740 | 183 | 0 | 0 | 1018 |
| 30x20 | 1164 | 1161 | QFissi Solai | PolG | 0 | 0 | 0 | 801 | 21 | 0 | 0 | 802 |
| | | | | | 21 | 0 | 0 | 802 | 141 | 0 | 0 | 810 |
| | | | | | 141 | 0 | 0 | 810 | 186 | 0 | 0 | 812 |
| | | | | | 186 | 0 | 0 | 812 | 189 | 0 | 0 | 708 |
| | | | | | 189 | 0 | 0 | 708 | 199 | 0 | 0 | 419 |
| 30x20 | 1164 | 1161 | QV Solai | PolG | 0 | 0 | 0 | 801 | 21 | 0 | 0 | 802 |
| | | | | | 21 | 0 | 0 | 802 | 141 | 0 | 0 | 810 |
| | | | | | 141 | 0 | 0 | 810 | 186 | 0 | 0 | 812 |
| | | | | | 186 | 0 | 0 | 812 | 189 | 0 | 0 | 708 |
| | | | | | 189 | 0 | 0 | 708 | 199 | 0 | 0 | 419 |
| 30x20 | 1164 | 1161 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 560 | 21 | 0 | 0 | 561 |
| | | | | | 21 | 0 | 0 | 561 | 141 | 0 | 0 | 567 |
| | | | | | 141 | 0 | 0 | 567 | 186 | 0 | 0 | 569 |
| | | | | | 186 | 0 | 0 | 569 | 189 | 0 | 0 | 495 |
| | | | | | 189 | 0 | 0 | 495 | 199 | 0 | 0 | 293 |
| 30x20 | 1164 | 1161 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 560 | 21 | 0 | 0 | 561 |
| | | | | | 21 | 0 | 0 | 561 | 141 | 0 | 0 | 567 |
| | | | | | 141 | 0 | 0 | 567 | 186 | 0 | 0 | 569 |
| | | | | | 186 | 0 | 0 | 569 | 189 | 0 | 0 | 495 |
| | | | | | 189 | 0 | 0 | 495 | 199 | 0 | 0 | 293 |
| 30x20 | 1164 | 1161 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 480 | 21 | 0 | 0 | 481 |
| | | | | | 21 | 0 | 0 | 481 | 141 | 0 | 0 | 486 |
| | | | | | 141 | 0 | 0 | 486 | 186 | 0 | 0 | 487 |
| | | | | | 186 | 0 | 0 | 487 | 189 | 0 | 0 | 425 |
| | | | | | 189 | 0 | 0 | 425 | 199 | 0 | 0 | 251 |
| **Trave 108** | | | | | | | | | | | | |
| 30x20 | 1147 | 1201 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 556 | 0 | 0 | 150 |
| 30x20 | 1147 | 1201 | QP Solai | PolG | 13 | 0 | 0 | 200 | 534 | 0 | 0 | 154 |
| | | | | | 534 | 0 | 0 | 0 | 540 | 0 | 0 | 0 |
| 30x20 | 1147 | 1201 | QFissi Solai | PolG | 0 | 0 | 0 | 211 | 550 | 0 | 0 | 162 |
| | | | | | 550 | 0 | 0 | 162 | 556 | 0 | 0 | 0 |
| 30x20 | 114 | 120 | QV Solai | PolG | 0 | 0 | 0 | 226 | 550 | 0 | 0 | 174 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 1 | | | | | | | | | | |
| | | | | | 550 | 0 | 0 | 174 | 556 | 0 | 0 | 0 |
| 30x20 | 1147 | 1201 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 158 | 550 | 0 | 0 | 122 |
| | | | | | 550 | 0 | 0 | 122 | 556 | 0 | 0 | 0 |
| 30x20 | 1147 | 1201 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 113 | 550 | 0 | 0 | 87 |
| | | | | | 550 | 0 | 0 | 87 | 556 | 0 | 0 | 0 |
| 30x20 | 1147 | 1201 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 68 | 550 | 0 | 0 | 52 |
| | | | | | 550 | 0 | 0 | 52 | 556 | 0 | 0 | 0 |
| 30x20 | 1201 | 1237 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 202 | 0 | 0 | 150 |
| 30x20 | 1201 | 1237 | QP Solai | PolG | 14 | 0 | 0 | 624 | 16 | 0 | 0 | 624 |
| | | | | | 16 | 0 | 0 | 624 | 22 | 0 | 0 | 1244 |
| | | | | | 22 | 0 | 0 | 1244 | 127 | 0 | 0 | 1235 |
| | | | | | 127 | 0 | 0 | 1235 | 185 | 0 | 0 | 1230 |
| | | | | | 185 | 0 | 0 | 1230 | 202 | 0 | 0 | 1219 |
| 30x20 | 1201 | 1237 | QFissi Solai | PolG | 0 | 0 | 0 | 659 | 6 | 0 | 0 | 1314 |
| | | | | | 6 | 0 | 0 | 1314 | 126 | 0 | 0 | 1303 |
| | | | | | 126 | 0 | 0 | 1303 | 191 | 0 | 0 | 1297 |
| | | | | | 191 | 0 | 0 | 1297 | 202 | 0 | 0 | 1290 |
| 30x20 | 1201 | 1237 | QV Solai | PolG | 0 | 0 | 0 | 706 | 6 | 0 | 0 | 1407 |
| | | | | | 6 | 0 | 0 | 1407 | 126 | 0 | 0 | 1396 |
| | | | | | 126 | 0 | 0 | 1396 | 191 | 0 | 0 | 1390 |
| | | | | | 191 | 0 | 0 | 1390 | 202 | 0 | 0 | 1383 |
| 30x20 | 1201 | 1237 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 494 | 6 | 0 | 0 | 985 |
| | | | | | 6 | 0 | 0 | 985 | 126 | 0 | 0 | 977 |
| | | | | | 126 | 0 | 0 | 977 | 191 | 0 | 0 | 973 |
| | | | | | 191 | 0 | 0 | 973 | 202 | 0 | 0 | 968 |
| 30x20 | 1201 | 1237 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 353 | 6 | 0 | 0 | 704 |
| | | | | | 6 | 0 | 0 | 704 | 126 | 0 | 0 | 698 |
| | | | | | 126 | 0 | 0 | 698 | 191 | 0 | 0 | 695 |
| | | | | | 191 | 0 | 0 | 695 | 202 | 0 | 0 | 691 |
| 30x20 | 1201 | 1237 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 212 | 6 | 0 | 0 | 422 |
| | | | | | 6 | 0 | 0 | 422 | 126 | 0 | 0 | 419 |
| | | | | | 126 | 0 | 0 | 419 | 191 | 0 | 0 | 417 |
| | | | | | 191 | 0 | 0 | 417 | 202 | 0 | 0 | 415 |
| 30x20 | 1237 | 1245 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 140 | 0 | 0 | 150 |
| 30x20 | 1237 | 1245 | QP Solai | PolG | 0 | 0 | 0 | 1219 | 140 | 0 | 0 | 1127 |
| 30x20 | 1237 | 1245 | QFissi Solai | PolG | 0 | 0 | 0 | 1290 | 140 | 0 | 0 | 1198 |
| 30x20 | 1237 | 1245 | QV Solai | PolG | 0 | 0 | 0 | 1383 | 140 | 0 | 0 | 1284 |
| 30x20 | 1237 | 1245 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 968 | 140 | 0 | 0 | 899 |
| 30x20 | 1237 | 1245 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 691 | 140 | 0 | 0 | 642 |
| 30x20 | 1237 | 1245 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 415 | 140 | 0 | 0 | 385 |
| 30x20 | 1245 | 1256 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 230 | 0 | 0 | 150 |
| 30x20 | 1245 | 1256 | QP Solai | PolG | 0 | 0 | 0 | 1127 | 116 | 0 | 0 | 1051 |
| | | | | | 116 | 0 | 0 | 1051 | 211 | 0 | 0 | 989 |
| | | | | | 211 | 0 | 0 | 989 | 214 | 0 | 0 | 600 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 214 | 0 | 0 | 600 | 216 | 0 | 0 | 600 |
| 30x20 | 1245 | 1256 | QFissi Solai | PolG | 0 | 0 | 0 | 1198 | 115 | 0 | 0 | 1123 |
| | | | | | 115 | 0 | 0 | 1123 | 227 | 0 | 0 | 1049 |
| | | | | | 227 | 0 | 0 | 1049 | 230 | 0 | 0 | 633 |
| 30x20 | 1245 | 1256 | QV Solai | PolG | 0 | 0 | 0 | 1284 | 115 | 0 | 0 | 1203 |
| | | | | | 115 | 0 | 0 | 1203 | 227 | 0 | 0 | 1124 |
| | | | | | 227 | 0 | 0 | 1124 | 230 | 0 | 0 | 679 |
| 30x20 | 1245 | 1256 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 899 | 115 | 0 | 0 | 842 |
| | | | | | 115 | 0 | 0 | 842 | 227 | 0 | 0 | 787 |
| | | | | | 227 | 0 | 0 | 787 | 230 | 0 | 0 | 475 |
| 30x20 | 1245 | 1256 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 642 | 115 | 0 | 0 | 601 |
| | | | | | 115 | 0 | 0 | 601 | 227 | 0 | 0 | 562 |
| | | | | | 227 | 0 | 0 | 562 | 230 | 0 | 0 | 339 |
| 30x20 | 1245 | 1256 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 385 | 115 | 0 | 0 | 361 |
| | | | | | 115 | 0 | 0 | 361 | 227 | 0 | 0 | 337 |
| | | | | | 227 | 0 | 0 | 337 | 230 | 0 | 0 | 204 |
| **Trave 109** | | | | | | | | | | | | |
| 30x20 | 1139 | 1143 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 400 | 0 | 0 | 150 |
| 30x20 | 1139 | 1143 | QP Solai | PolG | 13 | 0 | 0 | 580 | 18 | 0 | 0 | 581 |
| | | | | | 18 | 0 | 0 | 581 | 72 | 0 | 0 | 1203 |
| | | | | | 72 | 0 | 0 | 1203 | 400 | 0 | 0 | 1229 |
| 30x20 | 1139 | 1143 | QFissi Solai | PolG | 0 | 0 | 0 | 612 | 58 | 0 | 0 | 1269 |
| | | | | | 58 | 0 | 0 | 1269 | 400 | 0 | 0 | 1297 |
| 30x20 | 1139 | 1143 | QV Solai | PolG | 0 | 0 | 0 | 656 | 58 | 0 | 0 | 1360 |
| | | | | | 58 | 0 | 0 | 1360 | 400 | 0 | 0 | 1390 |
| 30x20 | 1139 | 1143 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 459 | 58 | 0 | 0 | 952 |
| | | | | | 58 | 0 | 0 | 952 | 400 | 0 | 0 | 973 |
| 30x20 | 1139 | 1143 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 328 | 58 | 0 | 0 | 680 |
| | | | | | 58 | 0 | 0 | 680 | 400 | 0 | 0 | 695 |
| 30x20 | 1139 | 1143 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 197 | 58 | 0 | 0 | 408 |
| | | | | | 58 | 0 | 0 | 408 | 400 | 0 | 0 | 417 |
| 30x20 | 1143 | 1144 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 90 | 0 | 0 | 150 |
| 30x20 | 1143 | 1144 | QP Solai | PolG | 0 | 0 | 0 | 1229 | 67 | 0 | 0 | 1235 |
| | | | | | 67 | 0 | 0 | 1235 | 90 | 0 | 0 | 914 |
| 30x20 | 1143 | 1144 | QFissi Solai | PolG | 0 | 0 | 0 | 1297 | 81 | 0 | 0 | 1304 |
| | | | | | 81 | 0 | 0 | 1304 | 90 | 0 | 0 | 1186 |
| 30x20 | 1143 | 1144 | QV Solai | PolG | 0 | 0 | 0 | 1390 | 81 | 0 | 0 | 1397 |
| | | | | | 81 | 0 | 0 | 1397 | 90 | 0 | 0 | 1271 |
| 30x20 | 1143 | 1144 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 973 | 81 | 0 | 0 | 978 |
| | | | | | 81 | 0 | 0 | 978 | 90 | 0 | 0 | 889 |
| 30x20 | 1143 | 1144 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 695 | 81 | 0 | 0 | 698 |
| | | | | | 81 | 0 | 0 | 698 | 90 | 0 | 0 | 635 |
| 30x20 | 1143 | 1144 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 417 | 81 | 0 | 0 | 419 |
| | | | | | 81 | 0 | 0 | 419 | 90 | 0 | 0 | 381 |
| 30x20 | 114 | 114 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 40 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | | | | | | | | | | |
| 30x20 | 1144 | 1145 | QP Solai | PolG | 0 | 0 | 0 | 914 | 23 | 0 | 0 | 599 |
| | | | | | 23 | 0 | 0 | 599 | 40 | 0 | 0 | 598 |
| 30x20 | 1144 | 1145 | QFissi Solai | PolG | 0 | 0 | 0 | 1186 | 40 | 0 | 0 | 632 |
| 30x20 | 1144 | 1145 | QV Solai | PolG | 0 | 0 | 0 | 1270 | 40 | 0 | 0 | 677 |
| 30x20 | 1144 | 1145 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 889 | 40 | 0 | 0 | 474 |
| 30x20 | 1144 | 1145 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 635 | 40 | 0 | 0 | 339 |
| 30x20 | 1144 | 1145 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 381 | 40 | 0 | 0 | 203 |
| 30x20 | 1145 | 1147 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 69 | 0 | 0 | 150 |
| 30x20 | 1145 | 1147 | QP Solai | PolG | 0 | 0 | 0 | 598 | 56 | 0 | 0 | 596 |
| 30x20 | 1145 | 1147 | QFissi Solai | PolG | 0 | 0 | 0 | 632 | 69 | 0 | 0 | 630 |
| 30x20 | 1145 | 1147 | QV Solai | PolG | 0 | 0 | 0 | 677 | 69 | 0 | 0 | 674 |
| 30x20 | 1145 | 1147 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 474 | 69 | 0 | 0 | 472 |
| 30x20 | 1145 | 1147 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 339 | 69 | 0 | 0 | 337 |
| 30x20 | 1145 | 1147 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 203 | 69 | 0 | 0 | 202 |
| **Trave 110** | | | | | | | | | | | | |
| 30x20 | 1133 | 1129 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 187 | 0 | 0 | 150 |
| 30x20 | 1133 | 1129 | QP Solai | PolG | 15 | 0 | 0 | 1769 | 36 | 0 | 0 | 2675 |
| | | | | | 36 | 0 | 0 | 2675 | 54 | 0 | 0 | 3432 |
| | | | | | 54 | 0 | 0 | 3432 | 127 | 0 | 0 | 3435 |
| | | | | | 127 | 0 | 0 | 3435 | 172 | 0 | 0 | 1734 |
| 30x20 | 1133 | 1129 | QFissi Solai | PolG | 0 | 0 | 0 | 697 | 23 | 0 | 0 | 1059 |
| | | | | | 23 | 0 | 0 | 1059 | 41 | 0 | 0 | 1359 |
| | | | | | 41 | 0 | 0 | 1359 | 140 | 0 | 0 | 1361 |
| | | | | | 140 | 0 | 0 | 1361 | 187 | 0 | 0 | 689 |
| 30x20 | 1133 | 1129 | QV Solai | PolG | 0 | 0 | 0 | 697 | 23 | 0 | 0 | 1059 |
| | | | | | 23 | 0 | 0 | 1059 | 41 | 0 | 0 | 1359 |
| | | | | | 41 | 0 | 0 | 1359 | 140 | 0 | 0 | 1361 |
| | | | | | 140 | 0 | 0 | 1361 | 187 | 0 | 0 | 689 |
| 30x20 | 1133 | 1129 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 488 | 23 | 0 | 0 | 741 |
| | | | | | 23 | 0 | 0 | 741 | 41 | 0 | 0 | 951 |
| | | | | | 41 | 0 | 0 | 951 | 140 | 0 | 0 | 953 |
| | | | | | 140 | 0 | 0 | 953 | 187 | 0 | 0 | 482 |
| 30x20 | 1133 | 1129 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 488 | 23 | 0 | 0 | 741 |
| | | | | | 23 | 0 | 0 | 741 | 41 | 0 | 0 | 951 |
| | | | | | 41 | 0 | 0 | 951 | 140 | 0 | 0 | 953 |
| | | | | | 140 | 0 | 0 | 953 | 187 | 0 | 0 | 482 |
| 30x20 | 1133 | 1129 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 418 | 23 | 0 | 0 | 635 |
| | | | | | 23 | 0 | 0 | 635 | 41 | 0 | 0 | 815 |
| | | | | | 41 | 0 | 0 | 815 | 140 | 0 | 0 | 816 |
| | | | | | 140 | 0 | 0 | 816 | 187 | 0 | 0 | 413 |
| **Trave 111** | | | | | | | | | | | | |
| 30x20 | 1009 | 1046 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 583 | 0 | 0 | 150 |
| 30x20 | 100 | 104 | QP Solai | PolG | 14 | 0 | 0 | 577 | 16 | 0 | 0 | 577 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 6 | | | | | | | | | | |
| | | | | | 16 | 0 | 0 | 617 | 101 | 0 | 0 | 756 |
| | | | | | 101 | 0 | 0 | 756 | 360 | 0 | 0 | 706 |
| | | | | | 360 | 0 | 0 | 706 | 495 | 0 | 0 | 681 |
| | | | | | 495 | 0 | 0 | 681 | 504 | 0 | 0 | 619 |
| | | | | | 504 | 0 | 0 | 619 | 522 | 0 | 0 | 484 |
| | | | | | 522 | 0 | 0 | 484 | 566 | 0 | 0 | 166 |
| | | | | | 566 | 0 | 0 | 156 | 569 | 0 | 0 | 156 |
| 30x20 | 1009 | 1046 | QFissi Solai | PolG | 0 | 0 | 0 | 655 | 89 | 0 | 0 | 801 |
| | | | | | 89 | 0 | 0 | 801 | 360 | 0 | 0 | 749 |
| | | | | | 360 | 0 | 0 | 749 | 507 | 0 | 0 | 721 |
| | | | | | 507 | 0 | 0 | 721 | 518 | 0 | 0 | 646 |
| | | | | | 518 | 0 | 0 | 646 | 536 | 0 | 0 | 511 |
| | | | | | 536 | 0 | 0 | 511 | 583 | 0 | 0 | 175 |
| 30x20 | 1009 | 1046 | QV Solai | PolG | 0 | 0 | 0 | 702 | 89 | 0 | 0 | 858 |
| | | | | | 89 | 0 | 0 | 858 | 360 | 0 | 0 | 803 |
| | | | | | 360 | 0 | 0 | 803 | 507 | 0 | 0 | 773 |
| | | | | | 507 | 0 | 0 | 773 | 518 | 0 | 0 | 692 |
| | | | | | 518 | 0 | 0 | 692 | 536 | 0 | 0 | 548 |
| | | | | | 536 | 0 | 0 | 548 | 583 | 0 | 0 | 187 |
| 30x20 | 1009 | 1046 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 491 | 89 | 0 | 0 | 601 |
| | | | | | 89 | 0 | 0 | 601 | 360 | 0 | 0 | 562 |
| | | | | | 360 | 0 | 0 | 562 | 507 | 0 | 0 | 541 |
| | | | | | 507 | 0 | 0 | 541 | 518 | 0 | 0 | 485 |
| | | | | | 518 | 0 | 0 | 485 | 536 | 0 | 0 | 384 |
| | | | | | 536 | 0 | 0 | 384 | 583 | 0 | 0 | 131 |
| 30x20 | 1009 | 1046 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 351 | 89 | 0 | 0 | 429 |
| | | | | | 89 | 0 | 0 | 429 | 360 | 0 | 0 | 401 |
| | | | | | 360 | 0 | 0 | 401 | 507 | 0 | 0 | 386 |
| | | | | | 507 | 0 | 0 | 386 | 518 | 0 | 0 | 346 |
| | | | | | 518 | 0 | 0 | 346 | 536 | 0 | 0 | 274 |
| | | | | | 536 | 0 | 0 | 274 | 583 | 0 | 0 | 94 |
| 30x20 | 1009 | 1046 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 211 | 89 | 0 | 0 | 257 |
| | | | | | 89 | 0 | 0 | 257 | 360 | 0 | 0 | 241 |
| | | | | | 360 | 0 | 0 | 241 | 507 | 0 | 0 | 232 |
| | | | | | 507 | 0 | 0 | 232 | 518 | 0 | 0 | 208 |
| | | | | | 518 | 0 | 0 | 208 | 536 | 0 | 0 | 164 |
| | | | | | 536 | 0 | 0 | 164 | 583 | 0 | 0 | 56 |
| 30x20 | 1046 | 1067 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 179 | 0 | 0 | 150 |
| 30x20 | 1046 | 1067 | QP Solai | PolG | 14 | 0 | 0 | 1419 | 16 | 0 | 0 | 1418 |
| | | | | | 16 | 0 | 0 | 1426 | 24 | 0 | 0 | 1579 |
| | | | | | 24 | 0 | 0 | 1579 | 43 | 0 | 0 | 1954 |
| | | | | | 43 | 0 | 0 | 1954 | 90 | 0 | 0 | 2912 |
| | | | | | 90 | 0 | 0 | 2912 | 95 | 0 | 0 | 2917 |
| | | | | | 95 | 0 | 0 | 2917 | 162 | 0 | 0 | 1594 |
| | | | | | 162 | 0 | 0 | 1587 | 165 | 0 | 0 | 1586 |
| 30x20 | 1046 | 1067 | QFissi Solai | PolG | 0 | 0 | 0 | 574 | 10 | 0 | 0 | 650 |
| | | | | | 10 | 0 | 0 | 650 | 29 | 0 | 0 | 791 |
| | | | | | 29 | 0 | 0 | 791 | 83 | 0 | 0 | 1202 |
| | | | | | 83 | 0 | 0 | 1202 | 102 | 0 | 0 | 1197 |
| | | | | | 102 | 0 | 0 | 1197 | 179 | 0 | 0 | 633 |
| 30x20 | 1046 | 1067 | QV Solai | PolG | 0 | 0 | 0 | 574 | 10 | 0 | 0 | 650 |
| | | | | | 10 | 0 | 0 | 650 | 29 | 0 | 0 | 791 |
| | | | | | 29 | 0 | 0 | 791 | 83 | 0 | 0 | 1202 |
| | | | | | 83 | 0 | 0 | 1202 | 102 | 0 | 0 | 1197 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 102 | 0 | 0 | 1197 | 179 | 0 | 0 | 633 |
| 30x20 | 1046 | 1067 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 402 | 10 | 0 | 0 | 455 |
| | | | | | 10 | 0 | 0 | 455 | 29 | 0 | 0 | 554 |
| | | | | | 29 | 0 | 0 | 554 | 83 | 0 | 0 | 842 |
| | | | | | 83 | 0 | 0 | 842 | 102 | 0 | 0 | 838 |
| | | | | | 102 | 0 | 0 | 838 | 179 | 0 | 0 | 443 |
| 30x20 | 1046 | 1067 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 402 | 10 | 0 | 0 | 455 |
| | | | | | 10 | 0 | 0 | 455 | 29 | 0 | 0 | 554 |
| | | | | | 29 | 0 | 0 | 554 | 83 | 0 | 0 | 842 |
| | | | | | 83 | 0 | 0 | 842 | 102 | 0 | 0 | 838 |
| | | | | | 102 | 0 | 0 | 838 | 179 | 0 | 0 | 443 |
| 30x20 | 1046 | 1067 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 344 | 10 | 0 | 0 | 390 |
| | | | | | 10 | 0 | 0 | 390 | 29 | 0 | 0 | 475 |
| | | | | | 29 | 0 | 0 | 475 | 83 | 0 | 0 | 721 |
| | | | | | 83 | 0 | 0 | 721 | 102 | 0 | 0 | 718 |
| | | | | | 102 | 0 | 0 | 718 | 179 | 0 | 0 | 380 |
| **Trave 112** | | | | | | | | | | | | |
| 30x20 | 1201 | 1196 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 580 | 0 | 0 | 150 |
| 30x20 | 1201 | 1196 | QP Solai | PolG | 14 | 0 | 0 | 157 | 16 | 0 | 0 | 157 |
| | | | | | 16 | 0 | 0 | 157 | 54 | 0 | 0 | 745 |
| | | | | | 54 | 0 | 0 | 745 | 110 | 0 | 0 | 747 |
| | | | | | 110 | 0 | 0 | 747 | 150 | 0 | 0 | 749 |
| | | | | | 150 | 0 | 0 | 749 | 240 | 0 | 0 | 753 |
| | | | | | 240 | 0 | 0 | 753 | 322 | 0 | 0 | 757 |
| | | | | | 322 | 0 | 0 | 757 | 546 | 0 | 0 | 666 |
| | | | | | 546 | 0 | 0 | 666 | 564 | 0 | 0 | 617 |
| | | | | | 564 | 0 | 0 | 617 | 567 | 0 | 0 | 618 |
| 30x20 | 1201 | 1196 | QFissi Solai | PolG | 0 | 0 | 0 | 166 | 40 | 0 | 0 | 786 |
| | | | | | 40 | 0 | 0 | 786 | 109 | 0 | 0 | 790 |
| | | | | | 109 | 0 | 0 | 790 | 149 | 0 | 0 | 791 |
| | | | | | 149 | 0 | 0 | 791 | 239 | 0 | 0 | 796 |
| | | | | | 239 | 0 | 0 | 796 | 331 | 0 | 0 | 800 |
| | | | | | 331 | 0 | 0 | 800 | 561 | 0 | 0 | 706 |
| | | | | | 561 | 0 | 0 | 706 | 580 | 0 | 0 | 652 |
| 30x20 | 1201 | 1196 | QV Solai | PolG | 0 | 0 | 0 | 178 | 40 | 0 | 0 | 842 |
| | | | | | 40 | 0 | 0 | 842 | 109 | 0 | 0 | 846 |
| | | | | | 109 | 0 | 0 | 846 | 149 | 0 | 0 | 848 |
| | | | | | 149 | 0 | 0 | 848 | 239 | 0 | 0 | 852 |
| | | | | | 239 | 0 | 0 | 852 | 331 | 0 | 0 | 857 |
| | | | | | 331 | 0 | 0 | 857 | 561 | 0 | 0 | 756 |
| | | | | | 561 | 0 | 0 | 756 | 580 | 0 | 0 | 699 |
| 30x20 | 1201 | 1196 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 124 | 40 | 0 | 0 | 590 |
| | | | | | 40 | 0 | 0 | 590 | 109 | 0 | 0 | 592 |
| | | | | | 109 | 0 | 0 | 592 | 149 | 0 | 0 | 594 |
| | | | | | 149 | 0 | 0 | 594 | 239 | 0 | 0 | 597 |
| | | | | | 239 | 0 | 0 | 597 | 331 | 0 | 0 | 600 |
| | | | | | 331 | 0 | 0 | 600 | 561 | 0 | 0 | 530 |
| | | | | | 561 | 0 | 0 | 530 | 580 | 0 | 0 | 489 |
| 30x20 | 1201 | 1196 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 89 | 40 | 0 | 0 | 421 |
| | | | | | 40 | 0 | 0 | 421 | 109 | 0 | 0 | 423 |
| | | | | | 109 | 0 | 0 | 423 | 149 | 0 | 0 | 424 |
| | | | | | 149 | 0 | 0 | 424 | 239 | 0 | 0 | 426 |
| | | | | | 239 | 0 | 0 | 426 | 331 | 0 | 0 | 429 |
| | | | | | 331 | 0 | 0 | 429 | 561 | 0 | 0 | 378 |
| | | | | | 561 | 0 | 0 | 378 | 580 | 0 | 0 | 349 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1201 | 1196 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 53 | 40 | 0 | 0 | 253 |
| | | | | | 40 | 0 | 0 | 253 | 109 | 0 | 0 | 254 |
| | | | | | 109 | 0 | 0 | 254 | 149 | 0 | 0 | 254 |
| | | | | | 149 | 0 | 0 | 254 | 239 | 0 | 0 | 256 |
| | | | | | 239 | 0 | 0 | 256 | 331 | 0 | 0 | 257 |
| | | | | | 331 | 0 | 0 | 257 | 561 | 0 | 0 | 227 |
| | | | | | 561 | 0 | 0 | 227 | 580 | 0 | 0 | 210 |
| 30x20 | 1203 | 1201 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 586 | 0 | 0 | 150 |
| 30x20 | 1203 | 1201 | QP Solai(Sb.3) | Torcente | -0 | -150 | 0 | 0 | 586 | -150 | 0 | 0 |
| 30x20 | 1203 | 1201 | QP Solai(Sb.3) | PolG | -0 | 0 | 0 | 300 | 15 | 0 | 0 | 300 |
| | | | | | 15 | 0 | 0 | 457 | 531 | 0 | 0 | 452 |
| | | | | | 531 | 0 | 0 | 452 | 547 | 0 | 0 | 391 |
| | | | | | 547 | 0 | 0 | 391 | 557 | 0 | 0 | 352 |
| | | | | | 557 | 0 | 0 | 352 | 570 | 0 | 0 | 300 |
| | | | | | 570 | 0 | 0 | 300 | 586 | 0 | 0 | 300 |
| 30x20 | 1203 | 1201 | QFissi Solai(Sb.3) | PolG | -0 | 0 | 0 | 366 | 545 | 0 | 0 | 360 |
| | | | | | 545 | 0 | 0 | 360 | 562 | 0 | 0 | 296 |
| | | | | | 562 | 0 | 0 | 296 | 572 | 0 | 0 | 256 |
| | | | | | 572 | 0 | 0 | 256 | 586 | 0 | 0 | 200 |
| 30x20 | 1203 | 1201 | QFissi Solai(Sb.3) | Torcente | -0 | -100 | 0 | 0 | 586 | -100 | 0 | 0 |
| 30x20 | 1203 | 1201 | QV Solai(Sb.3) | PolG | -0 | 0 | 0 | 578 | 545 | 0 | 0 | 571 |
| | | | | | 545 | 0 | 0 | 571 | 562 | 0 | 0 | 502 |
| | | | | | 562 | 0 | 0 | 502 | 572 | 0 | 0 | 461 |
| | | | | | 572 | 0 | 0 | 461 | 586 | 0 | 0 | 400 |
| 30x20 | 1203 | 1201 | QV Solai(Sb.3) | Torcente | -0 | -200 | 0 | 0 | 586 | -200 | 0 | 0 |
| 30x20 | 1203 | 1201 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 125 | 545 | 0 | 0 | 120 |
| | | | | | 545 | 0 | 0 | 120 | 562 | 0 | 0 | 72 |
| | | | | | 562 | 0 | 0 | 72 | 572 | 0 | 0 | 42 |
| | | | | | 572 | 0 | 0 | 42 | 586 | 0 | 0 | 0 |
| 30x20 | 1203 | 1201 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 89 | 545 | 0 | 0 | 86 |
| | | | | | 545 | 0 | 0 | 86 | 562 | 0 | 0 | 51 |
| | | | | | 562 | 0 | 0 | 51 | 572 | 0 | 0 | 30 |
| | | | | | 572 | 0 | 0 | 30 | 586 | 0 | 0 | 0 |
| 30x20 | 1203 | 1201 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 53 | 545 | 0 | 0 | 51 |
| | | | | | 545 | 0 | 0 | 51 | 562 | 0 | 0 | 31 |
| | | | | | 562 | 0 | 0 | 31 | 572 | 0 | 0 | 18 |
| | | | | | 572 | 0 | 0 | 18 | 586 | 0 | 0 | 0 |
| 30x20 | 1205 | 1203 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 121 | 0 | 0 | 150 |
| 30x20 | 1205 | 1203 | QP Solai(Sb.2) | PolG | -0 | 0 | 0 | 905 | 94 | 0 | 0 | 904 |
| | | | | | 94 | 0 | 0 | 904 | 96 | 0 | 0 | 786 |
| | | | | | 96 | 0 | 0 | 786 | 103 | 0 | 0 | 417 |
| | | | | | 103 | 0 | 0 | 417 | 105 | 0 | 0 | 300 |
| | | | | | 105 | 0 | 0 | 300 | 121 | 0 | 0 | 300 |
| 30x20 | 1205 | 1203 | QP Solai(Sb.2) | Torcente | -0 | -150 | 0 | 0 | 121 | -150 | 0 | 0 |
| 30x20 | 1205 | 1203 | QFissi Solai(Sb.2) | Torcente | -0 | -100 | 0 | 0 | 121 | -100 | 0 | 0 |
| 30x20 | 1205 | 1203 | QFissi Solai(Sb.2) | PolG | -0 | 0 | 0 | 838 | 109 | 0 | 0 | 838 |
| | | | | | 109 | 0 | 0 | 838 | 111 | 0 | 0 | 704 |
| | | | | | 111 | 0 | 0 | 704 | 118 | 0 | 0 | 334 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 118 | 0 | 0 | 334 | 121 | 0 | 0 | 200 |
| 30x20 | 1205 | 1203 | QV Solai(Sb.2) | PolG | -0 | 0 | 0 | 1084 | 109 | 0 | 0 | 1084 |
| | | | | | 109 | 0 | 0 | 1084 | 111 | 0 | 0 | 940 |
| | | | | | 111 | 0 | 0 | 940 | 118 | 0 | 0 | 544 |
| | | | | | 118 | 0 | 0 | 544 | 121 | 0 | 0 | 400 |
| 30x20 | 1205 | 1203 | QV Solai(Sb.2) | Torcente | -0 | -200 | 0 | 0 | 121 | -200 | 0 | 0 |
| 30x20 | 1205 | 1203 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 479 | 109 | 0 | 0 | 478 |
| | | | | | 109 | 0 | 0 | 478 | 111 | 0 | 0 | 378 |
| | | | | | 111 | 0 | 0 | 378 | 118 | 0 | 0 | 101 |
| | | | | | 118 | 0 | 0 | 101 | 121 | 0 | 0 | 0 |
| 30x20 | 1205 | 1203 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 342 | 109 | 0 | 0 | 342 |
| | | | | | 109 | 0 | 0 | 342 | 111 | 0 | 0 | 270 |
| | | | | | 111 | 0 | 0 | 270 | 118 | 0 | 0 | 72 |
| | | | | | 118 | 0 | 0 | 72 | 121 | 0 | 0 | 0 |
| 30x20 | 1205 | 1203 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 205 | 109 | 0 | 0 | 205 |
| | | | | | 109 | 0 | 0 | 205 | 111 | 0 | 0 | 162 |
| | | | | | 111 | 0 | 0 | 162 | 118 | 0 | 0 | 43 |
| | | | | | 118 | 0 | 0 | 43 | 121 | 0 | 0 | 0 |
| 30x20 | 1206 | 1205 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1206 | 1205 | QP Solai(Sb.1) | PolG | -0 | 0 | 0 | 905 | 120 | 0 | 0 | 905 |
| 30x20 | 1206 | 1205 | QP Solai(Sb.1) | Torcente | -0 | -150 | 0 | 0 | 120 | -150 | 0 | 0 |
| 30x20 | 1206 | 1205 | QFissi Solai(Sb.1) | Torcente | -0 | -100 | 0 | 0 | 120 | -100 | 0 | 0 |
| 30x20 | 1206 | 1205 | QFissi Solai(Sb.1) | PolG | -0 | 0 | 0 | 838 | 120 | 0 | 0 | 838 |
| 30x20 | 1206 | 1205 | QV Solai(Sb.1) | Torcente | -0 | -200 | 0 | 0 | 120 | -200 | 0 | 0 |
| 30x20 | 1206 | 1205 | QV Solai(Sb.1) | PolG | -0 | 0 | 0 | 1084 | 120 | 0 | 0 | 1084 |
| 30x20 | 1206 | 1205 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 479 | 120 | 0 | 0 | 479 |
| 30x20 | 1206 | 1205 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 342 | 120 | 0 | 0 | 342 |
| 30x20 | 1206 | 1205 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 205 | 120 | 0 | 0 | 205 |
| 30x20 | 1208 | 1206 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 129 | 0 | 0 | 150 |
| 30x20 | 1208 | 1206 | QP Solai(Sb.0) | Torcente | -0 | -150 | 0 | 0 | 129 | -150 | 0 | 0 |
| 30x20 | 1208 | 1206 | QP Solai(Sb.0) | PolG | -0 | 0 | 0 | 905 | 129 | 0 | 0 | 905 |
| 30x20 | 1208 | 1206 | QFissi Solai(Sb.0) | PolG | -0 | 0 | 0 | 839 | 129 | 0 | 0 | 839 |
| 30x20 | 1208 | 1206 | QFissi Solai(Sb.0) | Torcente | -0 | -100 | 0 | 0 | 129 | -100 | 0 | 0 |
| 30x20 | 1208 | 1206 | QV Solai(Sb.0) | PolG | -0 | 0 | 0 | 1084 | 129 | 0 | 0 | 1084 |
| 30x20 | 1208 | 1206 | QV Solai(Sb.0) | Torcente | -0 | -200 | 0 | 0 | 129 | -200 | 0 | 0 |
| 30x20 | 1208 | 1206 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 479 | 129 | 0 | 0 | 479 |
| 30x20 | 1208 | 1206 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 342 | 129 | 0 | 0 | 342 |
| 30x20 | 1208 | 1206 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 205 | 129 | 0 | 0 | 205 |
| 30x20 | 1210 | 1208 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 50 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1210 | 1208 | QP Solai | PolG | 0 | 0 | 0 | 1599 | 12 | 0 | 0 | 1598 |
| | | | | | 12 | 0 | 0 | 1598 | 39 | 0 | 0 | 607 |
| | | | | | 39 | 0 | 0 | 605 | 50 | 0 | 0 | 605 |
| 30x20 | 1210 | 1208 | QFissi Solai | PolG | 0 | 0 | 0 | 1048 | 21 | 0 | 0 | 1047 |
| | | | | | 21 | 0 | 0 | 1047 | 50 | 0 | 0 | 640 |
| 30x20 | 1210 | 1208 | QV Solai | PolG | 0 | 0 | 0 | 1093 | 21 | 0 | 0 | 1092 |
| | | | | | 21 | 0 | 0 | 1092 | 50 | 0 | 0 | 685 |
| 30x20 | 1210 | 1208 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 765 | 21 | 0 | 0 | 765 |
| | | | | | 21 | 0 | 0 | 765 | 50 | 0 | 0 | 480 |
| 30x20 | 1210 | 1208 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 628 | 21 | 0 | 0 | 628 |
| | | | | | 21 | 0 | 0 | 628 | 50 | 0 | 0 | 343 |
| 30x20 | 1210 | 1208 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 451 | 21 | 0 | 0 | 450 |
| | | | | | 21 | 0 | 0 | 450 | 50 | 0 | 0 | 206 |
| 30x20 | 1211 | 1210 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1211 | 1210 | QP Solai | PolG | 0 | 0 | 0 | 1614 | 120 | 0 | 0 | 1599 |
| 30x20 | 1211 | 1210 | QFissi Solai | PolG | 0 | 0 | 0 | 1053 | 120 | 0 | 0 | 1048 |
| 30x20 | 1211 | 1210 | QV Solai | PolG | 0 | 0 | 0 | 1099 | 120 | 0 | 0 | 1093 |
| 30x20 | 1211 | 1210 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 769 | 120 | 0 | 0 | 765 |
| 30x20 | 1211 | 1210 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 632 | 120 | 0 | 0 | 628 |
| 30x20 | 1211 | 1210 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 454 | 120 | 0 | 0 | 451 |
| 30x20 | 1212 | 1211 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 71 | 0 | 0 | 150 |
| 30x20 | 1212 | 1211 | QP Solai | PolG | 14 | 0 | 0 | 606 | 16 | 0 | 0 | 606 |
| | | | | | 16 | 0 | 0 | 606 | 21 | 0 | 0 | 1032 |
| | | | | | 21 | 0 | 0 | 1032 | 26 | 0 | 0 | 1415 |
| | | | | | 26 | 0 | 0 | 1415 | 28 | 0 | 0 | 1620 |
| | | | | | 28 | 0 | 0 | 1620 | 71 | 0 | 0 | 1614 |
| 30x20 | 1212 | 1211 | QFissi Solai | PolG | 0 | 0 | 0 | 639 | 6 | 0 | 0 | 818 |
| | | | | | 6 | 0 | 0 | 818 | 10 | 0 | 0 | 962 |
| | | | | | 10 | 0 | 0 | 962 | 13 | 0 | 0 | 1056 |
| | | | | | 13 | 0 | 0 | 1056 | 71 | 0 | 0 | 1053 |
| 30x20 | 1212 | 1211 | QV Solai | PolG | 0 | 0 | 0 | 685 | 6 | 0 | 0 | 864 |
| | | | | | 6 | 0 | 0 | 864 | 10 | 0 | 0 | 1007 |
| | | | | | 10 | 0 | 0 | 1007 | 13 | 0 | 0 | 1102 |
| | | | | | 13 | 0 | 0 | 1102 | 71 | 0 | 0 | 1099 |
| 30x20 | 1212 | 1211 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 479 | 6 | 0 | 0 | 604 |
| | | | | | 6 | 0 | 0 | 604 | 10 | 0 | 0 | 705 |
| | | | | | 10 | 0 | 0 | 705 | 13 | 0 | 0 | 771 |
| | | | | | 13 | 0 | 0 | 771 | 71 | 0 | 0 | 769 |
| 30x20 | 1212 | 1211 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 342 | 6 | 0 | 0 | 467 |
| | | | | | 6 | 0 | 0 | 467 | 10 | 0 | 0 | 568 |
| | | | | | 10 | 0 | 0 | 568 | 13 | 0 | 0 | 634 |
| | | | | | 13 | 0 | 0 | 634 | 71 | 0 | 0 | 632 |
| 30x20 | 1212 | 1211 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 205 | 6 | 0 | 0 | 313 |
| | | | | | 6 | 0 | 0 | 313 | 10 | 0 | 0 | 399 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 0 | 0 | 399 | 13 | 0 | 0 | 456 |
| | | | | | 13 | 0 | 0 | 456 | 71 | 0 | 0 | 454 |
| **Trave 113** | | | | | | | | | | | | |
| 30x20 | 1082 | 1109 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 369 | 0 | 0 | 150 |
| 30x20 | 1082 | 1109 | QP Solai | PolG | 17 | 0 | 0 | 67 | 45 | 0 | 0 | 201 |
| | | | | | 45 | 0 | 0 | 201 | 64 | 0 | 0 | 197 |
| | | | | | 64 | 0 | 0 | 197 | 209 | 0 | 0 | 167 |
| | | | | | 209 | 0 | 0 | 167 | 353 | 0 | 0 | 137 |
| 30x20 | 1082 | 1109 | QFissi Solai | PolG | 0 | 0 | 0 | 28 | 34 | 0 | 0 | 86 |
| | | | | | 34 | 0 | 0 | 86 | 369 | 0 | 0 | 60 |
| 30x20 | 1082 | 1109 | QV Solai | PolG | 0 | 0 | 0 | 28 | 34 | 0 | 0 | 86 |
| | | | | | 34 | 0 | 0 | 86 | 369 | 0 | 0 | 60 |
| 30x20 | 1082 | 1109 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 19 | 34 | 0 | 0 | 60 |
| | | | | | 34 | 0 | 0 | 60 | 369 | 0 | 0 | 42 |
| 30x20 | 1082 | 1109 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 19 | 34 | 0 | 0 | 60 |
| | | | | | 34 | 0 | 0 | 60 | 369 | 0 | 0 | 42 |
| 30x20 | 1082 | 1109 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 17 | 34 | 0 | 0 | 52 |
| | | | | | 34 | 0 | 0 | 52 | 369 | 0 | 0 | 36 |
| 30x20 | 1109 | 1150 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 416 | 0 | 0 | 150 |
| 30x20 | 1109 | 1150 | QP Solai | PolG | 15 | 0 | 0 | 78 | 20 | 0 | 0 | 213 |
| | | | | | 20 | 0 | 0 | 213 | 135 | 0 | 0 | 189 |
| | | | | | 135 | 0 | 0 | 189 | 280 | 0 | 0 | 159 |
| | | | | | 280 | 0 | 0 | 159 | 401 | 0 | 0 | 133 |
| 30x20 | 1109 | 1150 | QFissi Solai | PolG | 0 | 0 | 0 | 31 | 6 | 0 | 0 | 91 |
| | | | | | 6 | 0 | 0 | 91 | 416 | 0 | 0 | 59 |
| 30x20 | 1109 | 1150 | QV Solai | PolG | 0 | 0 | 0 | 31 | 6 | 0 | 0 | 91 |
| | | | | | 6 | 0 | 0 | 91 | 416 | 0 | 0 | 59 |
| 30x20 | 1109 | 1150 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 22 | 6 | 0 | 0 | 64 |
| | | | | | 6 | 0 | 0 | 64 | 416 | 0 | 0 | 41 |
| 30x20 | 1109 | 1150 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 22 | 6 | 0 | 0 | 64 |
| | | | | | 6 | 0 | 0 | 64 | 416 | 0 | 0 | 41 |
| 30x20 | 1109 | 1150 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 19 | 6 | 0 | 0 | 55 |
| | | | | | 6 | 0 | 0 | 55 | 416 | 0 | 0 | 35 |
| 30x20 | 1150 | 1189 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 419 | 0 | 0 | 150 |
| 30x20 | 1150 | 1189 | QP Solai | PolG | 15 | 0 | 0 | 78 | 27 | 0 | 0 | 208 |
| | | | | | 27 | 0 | 0 | 208 | 169 | 0 | 0 | 179 |
| | | | | | 169 | 0 | 0 | 179 | 314 | 0 | 0 | 149 |
| | | | | | 314 | 0 | 0 | 149 | 403 | 0 | 0 | 130 |
| 30x20 | 1150 | 1189 | QFissi Solai | PolG | 0 | 0 | 0 | 31 | 14 | 0 | 0 | 89 |
| | | | | | 14 | 0 | 0 | 89 | 419 | 0 | 0 | 58 |
| 30x20 | 1150 | 1189 | QV Solai | PolG | 0 | 0 | 0 | 31 | 14 | 0 | 0 | 89 |
| | | | | | 14 | 0 | 0 | 89 | 419 | 0 | 0 | 58 |
| 30x20 | 1150 | 1189 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 22 | 14 | 0 | 0 | 63 |
| | | | | | 14 | 0 | 0 | 63 | 419 | 0 | 0 | 40 |
| 30x20 | 115 | 118 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 22 | 14 | 0 | 0 | 63 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 9 | | | | | | | | | | |
| | | | | | 14 | 0 | 0 | 63 | 419 | 0 | 0 | 40 |
| 30x20 | 1150 | 1189 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 19 | 14 | 0 | 0 | 54 |
| | | | | | 14 | 0 | 0 | 54 | 419 | 0 | 0 | 35 |
| 30x20 | 1189 | 1214 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 125 | 0 | 0 | 150 |
| 30x20 | 1189 | 1214 | QP Solai | PolG | 14 | 0 | 0 | 11 | 16 | 0 | 0 | 88 |
| | | | | | 16 | 0 | 0 | 296 | 17 | 0 | 0 | 401 |
| | | | | | 17 | 0 | 0 | 401 | 68 | 0 | 0 | 402 |
| | | | | | 68 | 0 | 0 | 402 | 125 | 0 | 0 | 404 |
| 30x20 | 1189 | 1214 | QFissi Solai | PolG | 0 | 0 | 0 | 229 | 4 | 0 | 0 | 444 |
| | | | | | 4 | 0 | 0 | 444 | 67 | 0 | 0 | 446 |
| | | | | | 67 | 0 | 0 | 446 | 125 | 0 | 0 | 447 |
| 30x20 | 1189 | 1214 | QV Solai | PolG | 0 | 0 | 0 | 245 | 4 | 0 | 0 | 476 |
| | | | | | 4 | 0 | 0 | 476 | 67 | 0 | 0 | 477 |
| | | | | | 67 | 0 | 0 | 477 | 125 | 0 | 0 | 479 |
| 30x20 | 1189 | 1214 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 171 | 4 | 0 | 0 | 333 |
| | | | | | 4 | 0 | 0 | 333 | 125 | 0 | 0 | 335 |
| 30x20 | 1189 | 1214 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 122 | 4 | 0 | 0 | 238 |
| | | | | | 4 | 0 | 0 | 238 | 125 | 0 | 0 | 239 |
| 30x20 | 1189 | 1214 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 73 | 4 | 0 | 0 | 143 |
| | | | | | 4 | 0 | 0 | 143 | 125 | 0 | 0 | 144 |
| 30x20 | 1214 | 1249 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 435 | 0 | 0 | 150 |
| 30x20 | 1214 | 1249 | QP Solai | PolG | 0 | 0 | 0 | 403 | 17 | 0 | 0 | 404 |
| | | | | | 17 | 0 | 0 | 404 | 416 | 0 | 0 | 413 |
| | | | | | 416 | 0 | 0 | 413 | 435 | 0 | 0 | 414 |
| 30x20 | 1214 | 1249 | QFissi Solai | PolG | 0 | 0 | 0 | 447 | 19 | 0 | 0 | 447 |
| | | | | | 19 | 0 | 0 | 447 | 418 | 0 | 0 | 457 |
| | | | | | 418 | 0 | 0 | 457 | 435 | 0 | 0 | 457 |
| 30x20 | 1214 | 1249 | QV Solai | PolG | 0 | 0 | 0 | 479 | 19 | 0 | 0 | 479 |
| | | | | | 19 | 0 | 0 | 479 | 418 | 0 | 0 | 489 |
| | | | | | 418 | 0 | 0 | 489 | 435 | 0 | 0 | 490 |
| 30x20 | 1214 | 1249 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 335 | 19 | 0 | 0 | 335 |
| | | | | | 19 | 0 | 0 | 335 | 418 | 0 | 0 | 342 |
| | | | | | 418 | 0 | 0 | 342 | 435 | 0 | 0 | 343 |
| 30x20 | 1214 | 1249 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 239 | 19 | 0 | 0 | 240 |
| | | | | | 19 | 0 | 0 | 240 | 418 | 0 | 0 | 245 |
| | | | | | 418 | 0 | 0 | 245 | 435 | 0 | 0 | 245 |
| 30x20 | 1214 | 1249 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 144 | 19 | 0 | 0 | 144 |
| | | | | | 19 | 0 | 0 | 144 | 418 | 0 | 0 | 147 |
| | | | | | 418 | 0 | 0 | 147 | 435 | 0 | 0 | 147 |
| 30x20 | 1249 | 1268 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 115 | 0 | 0 | 150 |
| 30x20 | 1249 | 1268 | QP Solai | PolG | 0 | 0 | 0 | 414 | 14 | 0 | 0 | 414 |
| | | | | | 14 | 0 | 0 | 414 | 94 | 0 | 0 | 416 |
| | | | | | 94 | 0 | 0 | 416 | 99 | 0 | 0 | 267 |
| | | | | | 99 | 0 | 0 | 93 | 101 | 0 | 0 | 45 |
| 30x20 | 1249 | 1268 | QFissi Solai | PolG | 0 | 0 | 0 | 457 | 13 | 0 | 0 | 457 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 13 | 0 | 0 | 457 | 108 | 0 | 0 | 459 |
| | | | | | 108 | 0 | 0 | 459 | 115 | 0 | 0 | 255 |
| 30x20 | 1249 | 1268 | QV Solai | PolG | 0 | 0 | 0 | 490 | 13 | 0 | 0 | 490 |
| | | | | | 13 | 0 | 0 | 490 | 108 | 0 | 0 | 492 |
| | | | | | 108 | 0 | 0 | 492 | 115 | 0 | 0 | 273 |
| 30x20 | 1249 | 1268 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 343 | 13 | 0 | 0 | 343 |
| | | | | | 13 | 0 | 0 | 343 | 108 | 0 | 0 | 345 |
| | | | | | 108 | 0 | 0 | 345 | 115 | 0 | 0 | 191 |
| 30x20 | 1249 | 1268 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 245 | 108 | 0 | 0 | 246 |
| | | | | | 108 | 0 | 0 | 246 | 115 | 0 | 0 | 137 |
| 30x20 | 1249 | 1268 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 147 | 108 | 0 | 0 | 148 |
| | | | | | 108 | 0 | 0 | 148 | 115 | 0 | 0 | 82 |
| **Trave 114** | | | | | | | | | | | | |
| 30x20 | 1024 | 1053 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 347 | 0 | 0 | 150 |
| 30x20 | 1024 | 1053 | QP Solai | PolG | 13 | 0 | 0 | 150 | 15 | 0 | 0 | 149 |
| | | | | | 15 | 0 | 0 | 207 | 17 | 0 | 0 | 207 |
| | | | | | 17 | 0 | 0 | 207 | 19 | 0 | 0 | 207 |
| | | | | | 19 | 0 | 0 | 318 | 42 | 0 | 0 | 1700 |
| | | | | | 42 | 0 | 0 | 1700 | 135 | 0 | 0 | 1685 |
| | | | | | 135 | 0 | 0 | 1685 | 167 | 0 | 0 | 1679 |
| | | | | | 167 | 0 | 0 | 1679 | 175 | 0 | 0 | 1678 |
| | | | | | 175 | 0 | 0 | 1678 | 231 | 0 | 0 | 1669 |
| | | | | | 231 | 0 | 0 | 1669 | 334 | 0 | 0 | 1652 |
| | | | | | 334 | 0 | 0 | 158 | 347 | 0 | 0 | 156 |
| 30x20 | 1024 | 1053 | QFissi Solai | PolG | 0 | 0 | 0 | 151 | 16 | 0 | 0 | 472 |
| | | | | | 16 | 0 | 0 | 472 | 26 | 0 | 0 | 685 |
| | | | | | 26 | 0 | 0 | 685 | 136 | 0 | 0 | 679 |
| | | | | | 136 | 0 | 0 | 679 | 168 | 0 | 0 | 677 |
| | | | | | 168 | 0 | 0 | 677 | 173 | 0 | 0 | 676 |
| | | | | | 173 | 0 | 0 | 676 | 231 | 0 | 0 | 673 |
| | | | | | 231 | 0 | 0 | 673 | 347 | 0 | 0 | 666 |
| 30x20 | 1024 | 1053 | QV Solai | PolG | 0 | 0 | 0 | 151 | 16 | 0 | 0 | 472 |
| | | | | | 16 | 0 | 0 | 472 | 26 | 0 | 0 | 685 |
| | | | | | 26 | 0 | 0 | 685 | 136 | 0 | 0 | 679 |
| | | | | | 136 | 0 | 0 | 679 | 168 | 0 | 0 | 677 |
| | | | | | 168 | 0 | 0 | 677 | 173 | 0 | 0 | 676 |
| | | | | | 173 | 0 | 0 | 676 | 231 | 0 | 0 | 673 |
| | | | | | 231 | 0 | 0 | 673 | 347 | 0 | 0 | 666 |
| 30x20 | 1024 | 1053 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 106 | 16 | 0 | 0 | 330 |
| | | | | | 16 | 0 | 0 | 330 | 26 | 0 | 0 | 480 |
| | | | | | 26 | 0 | 0 | 480 | 136 | 0 | 0 | 475 |
| | | | | | 136 | 0 | 0 | 475 | 168 | 0 | 0 | 474 |
| | | | | | 168 | 0 | 0 | 474 | 173 | 0 | 0 | 473 |
| | | | | | 173 | 0 | 0 | 473 | 231 | 0 | 0 | 471 |
| | | | | | 231 | 0 | 0 | 471 | 347 | 0 | 0 | 466 |
| 30x20 | 1024 | 1053 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 106 | 16 | 0 | 0 | 330 |
| | | | | | 16 | 0 | 0 | 330 | 26 | 0 | 0 | 480 |
| | | | | | 26 | 0 | 0 | 480 | 136 | 0 | 0 | 475 |
| | | | | | 136 | 0 | 0 | 475 | 168 | 0 | 0 | 474 |
| | | | | | 168 | 0 | 0 | 474 | 173 | 0 | 0 | 473 |
| | | | | | 173 | 0 | 0 | 473 | 231 | 0 | 0 | 471 |
| | | | | | 231 | 0 | 0 | 471 | 347 | 0 | 0 | 466 |
| 30x20 | 1024 | 1053 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 91 | 16 | 0 | 0 | 283 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 16 | 0 | 0 | 283 | 26 | 0 | 0 | 411 |
| | | | | | 26 | 0 | 0 | 411 | 136 | 0 | 0 | 407 |
| | | | | | 136 | 0 | 0 | 407 | 168 | 0 | 0 | 406 |
| | | | | | 168 | 0 | 0 | 406 | 173 | 0 | 0 | 406 |
| | | | | | 173 | 0 | 0 | 406 | 231 | 0 | 0 | 404 |
| | | | | | 231 | 0 | 0 | 404 | 347 | 0 | 0 | 399 |
| 30x20 | 1053 | 1091 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 249 | 0 | 0 | 150 |
| 30x20 | 1053 | 1091 | QP Solai | PolG | 0 | 0 | 0 | 156 | 209 | 0 | 0 | 124 |
| | | | | | 209 | 0 | 0 | 124 | 232 | 0 | 0 | 120 |
| 30x20 | 1053 | 1091 | QFissi Solai | PolG | 0 | 0 | 0 | 69 | 209 | 0 | 0 | 57 |
| | | | | | 209 | 0 | 0 | 57 | 249 | 0 | 0 | 55 |
| 30x20 | 1053 | 1091 | QV Solai | PolG | 0 | 0 | 0 | 69 | 209 | 0 | 0 | 57 |
| | | | | | 209 | 0 | 0 | 57 | 249 | 0 | 0 | 55 |
| 30x20 | 1053 | 1091 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 48 | 209 | 0 | 0 | 40 |
| | | | | | 209 | 0 | 0 | 40 | 249 | 0 | 0 | 38 |
| 30x20 | 1053 | 1091 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 48 | 209 | 0 | 0 | 40 |
| | | | | | 209 | 0 | 0 | 40 | 249 | 0 | 0 | 38 |
| 30x20 | 1053 | 1091 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 41 | 209 | 0 | 0 | 34 |
| | | | | | 209 | 0 | 0 | 34 | 249 | 0 | 0 | 33 |
| 30x20 | 1091 | 1129 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 565 | 0 | 0 | 150 |
| 30x20 | 1091 | 1129 | QP Solai | PolG | 14 | 0 | 0 | 265 | 336 | 0 | 0 | 181 |
| | | | | | 336 | 0 | 0 | 181 | 550 | 0 | 0 | 126 |
| 30x20 | 1091 | 1129 | QFissi Solai | PolG | 0 | 0 | 0 | 111 | 565 | 0 | 0 | 56 |
| 30x20 | 1091 | 1129 | QV Solai | PolG | 0 | 0 | 0 | 111 | 565 | 0 | 0 | 56 |
| 30x20 | 1091 | 1129 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 78 | 565 | 0 | 0 | 39 |
| 30x20 | 1091 | 1129 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 78 | 565 | 0 | 0 | 39 |
| 30x20 | 1091 | 1129 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 67 | 565 | 0 | 0 | 34 |
| 30x20 | 1129 | 1176 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 575 | 0 | 0 | 150 |
| 30x20 | 1129 | 1176 | QP Solai | PolG | 15 | 0 | 0 | 144 | 28 | 0 | 0 | 266 |
| | | | | | 28 | 0 | 0 | 266 | 317 | 0 | 0 | 192 |
| | | | | | 317 | 0 | 0 | 192 | 555 | 0 | 0 | 130 |
| | | | | | 555 | 0 | 0 | 1 | 558 | 0 | 0 | 0 |
| 30x20 | 1129 | 1176 | QFissi Solai | PolG | 0 | 0 | 0 | 57 | 16 | 0 | 0 | 112 |
| | | | | | 16 | 0 | 0 | 112 | 575 | 0 | 0 | 58 |
| 30x20 | 1129 | 1176 | QV Solai | PolG | 0 | 0 | 0 | 57 | 16 | 0 | 0 | 112 |
| | | | | | 16 | 0 | 0 | 112 | 575 | 0 | 0 | 58 |
| 30x20 | 1129 | 1176 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 40 | 16 | 0 | 0 | 78 |
| | | | | | 16 | 0 | 0 | 78 | 575 | 0 | 0 | 40 |
| 30x20 | 1129 | 1176 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 40 | 16 | 0 | 0 | 78 |
| | | | | | 16 | 0 | 0 | 78 | 575 | 0 | 0 | 40 |
| 30x20 | 1129 | 1176 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 34 | 16 | 0 | 0 | 67 |
| | | | | | 16 | 0 | 0 | 67 | 575 | 0 | 0 | 35 |
| **Trave 115** | | | | | | | | | | | | |
| 30x20 | 113 | 113 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 199 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 5 | | | | | | | | | | |
| 30x20 | 1131 | 1135 | QP Solai | PolG | 15 | 0 | 0 | 1027 | 23 | 0 | 0 | 1640 |
| | | | | | 23 | 0 | 0 | 1640 | 26 | 0 | 0 | 1880 |
| | | | | | 26 | 0 | 0 | 1880 | 31 | 0 | 0 | 2264 |
| | | | | | 31 | 0 | 0 | 2264 | 36 | 0 | 0 | 2711 |
| | | | | | 36 | 0 | 0 | 2711 | 110 | 0 | 0 | 2703 |
| | | | | | 110 | 0 | 0 | 2703 | 177 | 0 | 0 | 2697 |
| | | | | | 177 | 0 | 0 | 2697 | 190 | 0 | 0 | 1747 |
| 30x20 | 1131 | 1135 | QFissi Solai | PolG | 0 | 0 | 0 | 436 | 9 | 0 | 0 | 669 |
| | | | | | 9 | 0 | 0 | 669 | 12 | 0 | 0 | 760 |
| | | | | | 12 | 0 | 0 | 760 | 16 | 0 | 0 | 904 |
| | | | | | 16 | 0 | 0 | 904 | 22 | 0 | 0 | 1089 |
| | | | | | 22 | 0 | 0 | 1089 | 112 | 0 | 0 | 1086 |
| | | | | | 112 | 0 | 0 | 1086 | 186 | 0 | 0 | 1083 |
| | | | | | 186 | 0 | 0 | 1083 | 199 | 0 | 0 | 691 |
| 30x20 | 1131 | 1135 | QV Solai | PolG | 0 | 0 | 0 | 436 | 9 | 0 | 0 | 669 |
| | | | | | 9 | 0 | 0 | 669 | 12 | 0 | 0 | 760 |
| | | | | | 12 | 0 | 0 | 760 | 16 | 0 | 0 | 904 |
| | | | | | 16 | 0 | 0 | 904 | 22 | 0 | 0 | 1089 |
| | | | | | 22 | 0 | 0 | 1089 | 112 | 0 | 0 | 1086 |
| | | | | | 112 | 0 | 0 | 1086 | 186 | 0 | 0 | 1083 |
| | | | | | 186 | 0 | 0 | 1083 | 199 | 0 | 0 | 691 |
| 30x20 | 1131 | 1135 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 305 | 9 | 0 | 0 | 469 |
| | | | | | 9 | 0 | 0 | 469 | 12 | 0 | 0 | 532 |
| | | | | | 12 | 0 | 0 | 532 | 16 | 0 | 0 | 632 |
| | | | | | 16 | 0 | 0 | 632 | 22 | 0 | 0 | 763 |
| | | | | | 22 | 0 | 0 | 763 | 112 | 0 | 0 | 760 |
| | | | | | 112 | 0 | 0 | 760 | 186 | 0 | 0 | 758 |
| | | | | | 186 | 0 | 0 | 758 | 199 | 0 | 0 | 484 |
| 30x20 | 1131 | 1135 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 305 | 9 | 0 | 0 | 469 |
| | | | | | 9 | 0 | 0 | 469 | 12 | 0 | 0 | 532 |
| | | | | | 12 | 0 | 0 | 532 | 16 | 0 | 0 | 632 |
| | | | | | 16 | 0 | 0 | 632 | 22 | 0 | 0 | 763 |
| | | | | | 22 | 0 | 0 | 763 | 112 | 0 | 0 | 760 |
| | | | | | 112 | 0 | 0 | 760 | 186 | 0 | 0 | 758 |
| | | | | | 186 | 0 | 0 | 758 | 199 | 0 | 0 | 484 |
| 30x20 | 1131 | 1135 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 261 | 9 | 0 | 0 | 402 |
| | | | | | 9 | 0 | 0 | 402 | 12 | 0 | 0 | 456 |
| | | | | | 12 | 0 | 0 | 456 | 16 | 0 | 0 | 542 |
| | | | | | 16 | 0 | 0 | 542 | 22 | 0 | 0 | 654 |
| | | | | | 22 | 0 | 0 | 654 | 112 | 0 | 0 | 652 |
| | | | | | 112 | 0 | 0 | 652 | 186 | 0 | 0 | 650 |
| | | | | | 186 | 0 | 0 | 650 | 199 | 0 | 0 | 415 |
| **Trave 116** | | | | | | | | | | | | |
| 30x20 | 1116 | 1111 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 404 | 0 | 0 | 150 |
| 30x20 | 1116 | 1111 | QP Solai | PolG | 0 | 0 | 0 | 941 | 21 | 0 | 0 | 940 |
| | | | | | 21 | 0 | 0 | 940 | 365 | 0 | 0 | 926 |
| | | | | | 365 | 0 | 0 | 926 | 388 | 0 | 0 | 580 |
| | | | | | 388 | 0 | 0 | 578 | 390 | 0 | 0 | 578 |
| 30x20 | 1116 | 1111 | QFissi Solai | PolG | 0 | 0 | 0 | 1008 | 21 | 0 | 0 | 1007 |
| | | | | | 21 | 0 | 0 | 1007 | 379 | 0 | 0 | 992 |
| | | | | | 379 | 0 | 0 | 992 | 404 | 0 | 0 | 613 |
| 30x20 | 1116 | 1111 | QV Solai | PolG | 0 | 0 | 0 | 1080 | 21 | 0 | 0 | 1079 |
| | | | | | 21 | 0 | 0 | 1079 | 379 | 0 | 0 | 1063 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 379 | 0 | 0 | 1063 | 404 | 0 | 0 | 657 |
| 30x20 | 1116 | 1111 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 756 | 21 | 0 | 0 | 755 |
| | | | | | 21 | 0 | 0 | 755 | 379 | 0 | 0 | 744 |
| | | | | | 379 | 0 | 0 | 744 | 404 | 0 | 0 | 460 |
| 30x20 | 1116 | 1111 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 540 | 21 | 0 | 0 | 540 |
| | | | | | 21 | 0 | 0 | 540 | 379 | 0 | 0 | 532 |
| | | | | | 379 | 0 | 0 | 532 | 404 | 0 | 0 | 329 |
| 30x20 | 1116 | 1111 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 324 | 21 | 0 | 0 | 324 |
| | | | | | 21 | 0 | 0 | 324 | 379 | 0 | 0 | 319 |
| | | | | | 379 | 0 | 0 | 319 | 404 | 0 | 0 | 197 |
| 30x20 | 1118 | 1116 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1118 | 1116 | QP Solai | PolG | 0 | 0 | 0 | 946 | 21 | 0 | 0 | 945 |
| | | | | | 21 | 0 | 0 | 945 | 120 | 0 | 0 | 941 |
| 30x20 | 1118 | 1116 | QFissi Solai | PolG | 0 | 0 | 0 | 1013 | 21 | 0 | 0 | 1012 |
| | | | | | 21 | 0 | 0 | 1012 | 120 | 0 | 0 | 1008 |
| 30x20 | 1118 | 1116 | QV Solai | PolG | 0 | 0 | 0 | 1085 | 21 | 0 | 0 | 1084 |
| | | | | | 21 | 0 | 0 | 1084 | 120 | 0 | 0 | 1080 |
| 30x20 | 1118 | 1116 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 760 | 21 | 0 | 0 | 759 |
| | | | | | 21 | 0 | 0 | 759 | 120 | 0 | 0 | 756 |
| 30x20 | 1118 | 1116 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 543 | 21 | 0 | 0 | 542 |
| | | | | | 21 | 0 | 0 | 542 | 120 | 0 | 0 | 540 |
| 30x20 | 1118 | 1116 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 326 | 120 | 0 | 0 | 324 |
| 30x20 | 1120 | 1118 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 100 | 0 | 0 | 150 |
| 30x20 | 1120 | 1118 | QP Solai | PolG | 15 | 0 | 0 | 360 | 22 | 0 | 0 | 561 |
| | | | | | 22 | 0 | 0 | 597 | 27 | 0 | 0 | 695 |
| | | | | | 27 | 0 | 0 | 695 | 36 | 0 | 0 | 948 |
| | | | | | 36 | 0 | 0 | 948 | 100 | 0 | 0 | 946 |
| 30x20 | 1120 | 1118 | QFissi Solai | PolG | 0 | 0 | 0 | 394 | 8 | 0 | 0 | 612 |
| | | | | | 8 | 0 | 0 | 649 | 12 | 0 | 0 | 746 |
| | | | | | 12 | 0 | 0 | 746 | 21 | 0 | 0 | 1016 |
| | | | | | 21 | 0 | 0 | 1016 | 100 | 0 | 0 | 1013 |
| 30x20 | 1120 | 1118 | QV Solai | PolG | 0 | 0 | 0 | 422 | 8 | 0 | 0 | 656 |
| | | | | | 8 | 0 | 0 | 695 | 12 | 0 | 0 | 800 |
| | | | | | 12 | 0 | 0 | 800 | 21 | 0 | 0 | 1089 |
| | | | | | 21 | 0 | 0 | 1089 | 100 | 0 | 0 | 1085 |
| 30x20 | 1120 | 1118 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 296 | 8 | 0 | 0 | 459 |
| | | | | | 8 | 0 | 0 | 486 | 12 | 0 | 0 | 560 |
| | | | | | 12 | 0 | 0 | 560 | 21 | 0 | 0 | 762 |
| | | | | | 21 | 0 | 0 | 762 | 100 | 0 | 0 | 760 |
| 30x20 | 1120 | 1118 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 211 | 8 | 0 | 0 | 328 |
| | | | | | 8 | 0 | 0 | 347 | 12 | 0 | 0 | 400 |
| | | | | | 12 | 0 | 0 | 400 | 21 | 0 | 0 | 544 |
| | | | | | 21 | 0 | 0 | 544 | 100 | 0 | 0 | 543 |
| 30x20 | 1120 | 1118 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 127 | 8 | 0 | 0 | 197 |
| | | | | | 8 | 0 | 0 | 208 | 12 | 0 | 0 | 240 |
| | | | | | 12 | 0 | 0 | 240 | 21 | 0 | 0 | 327 |
| | | | | | 21 | 0 | 0 | 327 | 100 | 0 | 0 | 326 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Trave 117** | | | | | | | | | | | | |
| 30x20 | 1097 | 1145 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 603 | 0 | 0 | 150 |
| 30x20 | 1097 | 1145 | QP Solai | PolG | 15 | 0 | 0 | 51 | 46 | 0 | 0 | 189 |
| | | | | | 46 | 0 | 0 | 189 | 303 | 0 | 0 | 165 |
| | | | | | 303 | 0 | 0 | 165 | 556 | 0 | 0 | 141 |
| | | | | | 556 | 0 | 0 | 141 | 579 | 0 | 0 | 32 |
| | | | | | 579 | 0 | 0 | 1 | 586 | 0 | 0 | 0 |
| 30x20 | 1097 | 1145 | QFissi Solai | PolG | 0 | 0 | 0 | 54 | 33 | 0 | 0 | 201 |
| | | | | | 33 | 0 | 0 | 201 | 106 | 0 | 0 | 194 |
| | | | | | 106 | 0 | 0 | 194 | 572 | 0 | 0 | 150 |
| | | | | | 572 | 0 | 0 | 150 | 595 | 0 | 0 | 37 |
| | | | | | 595 | 0 | 0 | 37 | 603 | 0 | 0 | 11 |
| 30x20 | 1097 | 1145 | QV Solai | PolG | 0 | 0 | 0 | 58 | 33 | 0 | 0 | 215 |
| | | | | | 33 | 0 | 0 | 215 | 106 | 0 | 0 | 208 |
| | | | | | 106 | 0 | 0 | 208 | 572 | 0 | 0 | 160 |
| | | | | | 572 | 0 | 0 | 160 | 595 | 0 | 0 | 39 |
| | | | | | 595 | 0 | 0 | 39 | 603 | 0 | 0 | 12 |
| 30x20 | 1097 | 1145 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 40 | 33 | 0 | 0 | 150 |
| | | | | | 33 | 0 | 0 | 150 | 106 | 0 | 0 | 145 |
| | | | | | 106 | 0 | 0 | 145 | 572 | 0 | 0 | 112 |
| | | | | | 572 | 0 | 0 | 112 | 595 | 0 | 0 | 28 |
| | | | | | 595 | 0 | 0 | 28 | 603 | 0 | 0 | 8 |
| 30x20 | 1097 | 1145 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 29 | 33 | 0 | 0 | 107 |
| | | | | | 33 | 0 | 0 | 107 | 106 | 0 | 0 | 104 |
| | | | | | 106 | 0 | 0 | 104 | 572 | 0 | 0 | 80 |
| | | | | | 572 | 0 | 0 | 80 | 595 | 0 | 0 | 20 |
| | | | | | 595 | 0 | 0 | 20 | 603 | 0 | 0 | 6 |
| 30x20 | 1097 | 1145 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 17 | 33 | 0 | 0 | 64 |
| | | | | | 33 | 0 | 0 | 64 | 106 | 0 | 0 | 62 |
| | | | | | 106 | 0 | 0 | 62 | 572 | 0 | 0 | 48 |
| | | | | | 572 | 0 | 0 | 48 | 595 | 0 | 0 | 12 |
| | | | | | 595 | 0 | 0 | 12 | 603 | 0 | 0 | 4 |
| **Trave 118** | | | | | | | | | | | | |
| 30x20 | 1011 | 1016 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 236 | 0 | 0 | 150 |
| 30x20 | 1011 | 1016 | QP Solai | PolG | 15 | 0 | 0 | 350 | 21 | 0 | 0 | 482 |
| | | | | | 21 | 0 | 0 | 482 | 200 | 0 | 0 | 480 |
| | | | | | 200 | 0 | 0 | 467 | 207 | 0 | 0 | 371 |
| | | | | | 207 | 0 | 0 | 354 | 221 | 0 | 0 | 178 |
| 30x20 | 1011 | 1016 | QFissi Solai | PolG | 0 | 0 | 0 | 138 | 8 | 0 | 0 | 201 |
| | | | | | 8 | 0 | 0 | 201 | 213 | 0 | 0 | 200 |
| | | | | | 213 | 0 | 0 | 190 | 222 | 0 | 0 | 154 |
| | | | | | 222 | 0 | 0 | 148 | 236 | 0 | 0 | 78 |
| 30x20 | 1011 | 1016 | QV Solai | PolG | 0 | 0 | 0 | 138 | 8 | 0 | 0 | 201 |
| | | | | | 8 | 0 | 0 | 201 | 213 | 0 | 0 | 200 |
| | | | | | 213 | 0 | 0 | 190 | 222 | 0 | 0 | 154 |
| | | | | | 222 | 0 | 0 | 148 | 236 | 0 | 0 | 78 |
| 30x20 | 1011 | 1016 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 97 | 8 | 0 | 0 | 141 |
| | | | | | 8 | 0 | 0 | 141 | 213 | 0 | 0 | 140 |
| | | | | | 213 | 0 | 0 | 133 | 222 | 0 | 0 | 108 |
| | | | | | 222 | 0 | 0 | 104 | 236 | 0 | 0 | 54 |
| 30x20 | 1011 | 1016 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 97 | 8 | 0 | 0 | 141 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 8 | 0 | 0 | 141 | 213 | 0 | 0 | 140 |
| | | | | | 213 | 0 | 0 | 133 | 222 | 0 | 0 | 108 |
| | | | | | 222 | 0 | 0 | 104 | 236 | 0 | 0 | 54 |
| 30x20 | 1011 | 1016 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 83 | 8 | 0 | 0 | 121 |
| | | | | | 8 | 0 | 0 | 121 | 213 | 0 | 0 | 120 |
| | | | | | 213 | 0 | 0 | 114 | 222 | 0 | 0 | 93 |
| | | | | | 222 | 0 | 0 | 89 | 236 | 0 | 0 | 47 |
| **Trave 119** | | | | | | | | | | | | |
| 30x20 | 1004 | 1011 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 209 | 0 | 0 | 150 |
| 30x20 | 1004 | 1011 | QP Solai | PolG | 15 | 0 | 0 | 1111 | 26 | 0 | 0 | 1781 |
| | | | | | 26 | 0 | 0 | 1781 | 194 | 0 | 0 | 1780 |
| | | | | | 194 | 0 | 0 | 1120 | 209 | 0 | 0 | 1121 |
| 30x20 | 1004 | 1011 | QFissi Solai | PolG | 0 | 0 | 0 | 453 | 13 | 0 | 0 | 740 |
| | | | | | 13 | 0 | 0 | 740 | 209 | 0 | 0 | 740 |
| 30x20 | 1004 | 1011 | QV Solai | PolG | 0 | 0 | 0 | 453 | 13 | 0 | 0 | 740 |
| | | | | | 13 | 0 | 0 | 740 | 209 | 0 | 0 | 740 |
| 30x20 | 1004 | 1011 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 317 | 13 | 0 | 0 | 518 |
| | | | | | 13 | 0 | 0 | 518 | 209 | 0 | 0 | 518 |
| 30x20 | 1004 | 1011 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 317 | 13 | 0 | 0 | 518 |
| | | | | | 13 | 0 | 0 | 518 | 209 | 0 | 0 | 518 |
| 30x20 | 1004 | 1011 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 272 | 13 | 0 | 0 | 444 |
| | | | | | 13 | 0 | 0 | 444 | 209 | 0 | 0 | 444 |
| 30x20 | 1011 | 1036 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 411 | 0 | 0 | 150 |
| 30x20 | 1011 | 1036 | QP Solai | PolG | 0 | 0 | 0 | 1121 | 15 | 0 | 0 | 1122 |
| | | | | | 15 | 0 | 0 | 1134 | 26 | 0 | 0 | 1791 |
| | | | | | 26 | 0 | 0 | 1791 | 246 | 0 | 0 | 1789 |
| | | | | | 246 | 0 | 0 | 1789 | 267 | 0 | 0 | 1789 |
| | | | | | 267 | 0 | 0 | 1789 | 382 | 0 | 0 | 1788 |
| | | | | | 382 | 0 | 0 | 1788 | 387 | 0 | 0 | 1422 |
| | | | | | 387 | 0 | 0 | 1422 | 396 | 0 | 0 | 653 |
| 30x20 | 1011 | 1036 | QFissi Solai | PolG | 0 | 0 | 0 | 461 | 12 | 0 | 0 | 744 |
| | | | | | 12 | 0 | 0 | 744 | 247 | 0 | 0 | 743 |
| | | | | | 247 | 0 | 0 | 743 | 268 | 0 | 0 | 743 |
| | | | | | 268 | 0 | 0 | 743 | 388 | 0 | 0 | 743 |
| | | | | | 388 | 0 | 0 | 743 | 396 | 0 | 0 | 743 |
| | | | | | 396 | 0 | 0 | 743 | 411 | 0 | 0 | 281 |
| 30x20 | 1011 | 1036 | QV Solai | PolG | 0 | 0 | 0 | 461 | 12 | 0 | 0 | 744 |
| | | | | | 12 | 0 | 0 | 744 | 247 | 0 | 0 | 743 |
| | | | | | 247 | 0 | 0 | 743 | 268 | 0 | 0 | 743 |
| | | | | | 268 | 0 | 0 | 743 | 388 | 0 | 0 | 743 |
| | | | | | 388 | 0 | 0 | 743 | 396 | 0 | 0 | 743 |
| | | | | | 396 | 0 | 0 | 743 | 411 | 0 | 0 | 281 |
| 30x20 | 1011 | 1036 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 323 | 12 | 0 | 0 | 521 |
| | | | | | 12 | 0 | 0 | 521 | 247 | 0 | 0 | 520 |
| | | | | | 247 | 0 | 0 | 520 | 268 | 0 | 0 | 520 |
| | | | | | 268 | 0 | 0 | 520 | 388 | 0 | 0 | 520 |
| | | | | | 388 | 0 | 0 | 520 | 396 | 0 | 0 | 520 |
| | | | | | 396 | 0 | 0 | 520 | 411 | 0 | 0 | 197 |
| 30x20 | 1011 | 1036 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 323 | 12 | 0 | 0 | 521 |
| | | | | | 12 | 0 | 0 | 521 | 247 | 0 | 0 | 520 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 247 | 0 | 0 | 520 | 268 | 0 | 0 | 520 |
| | | | | | 268 | 0 | 0 | 520 | 388 | 0 | 0 | 520 |
| | | | | | 388 | 0 | 0 | 520 | 396 | 0 | 0 | 520 |
| | | | | | 396 | 0 | 0 | 520 | 411 | 0 | 0 | 197 |
| 30x20 | 1011 | 1036 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 277 | 12 | 0 | 0 | 447 |
| | | | | | 12 | 0 | 0 | 447 | 247 | 0 | 0 | 446 |
| | | | | | 247 | 0 | 0 | 446 | 268 | 0 | 0 | 446 |
| | | | | | 268 | 0 | 0 | 446 | 388 | 0 | 0 | 446 |
| | | | | | 388 | 0 | 0 | 446 | 396 | 0 | 0 | 446 |
| | | | | | 396 | 0 | 0 | 446 | 411 | 0 | 0 | 168 |
| **Trave 120** | | | | | | | | | | | | |
| 30x20 | 1034 | 1036 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 385 | 0 | 0 | 150 |
| 30x20 | 1034 | 1036 | QP Solai | PolG | 15 | 0 | 0 | 376 | 46 | 0 | 0 | 852 |
| | | | | | 46 | 0 | 0 | 852 | 370 | 0 | 0 | 840 |
| | | | | | 370 | 0 | 0 | 367 | 385 | 0 | 0 | 368 |
| 30x20 | 1034 | 1036 | QFissi Solai | PolG | 0 | 0 | 0 | 152 | 33 | 0 | 0 | 339 |
| | | | | | 33 | 0 | 0 | 339 | 385 | 0 | 0 | 334 |
| 30x20 | 1034 | 1036 | QV Solai | PolG | 0 | 0 | 0 | 152 | 33 | 0 | 0 | 339 |
| | | | | | 33 | 0 | 0 | 339 | 385 | 0 | 0 | 334 |
| 30x20 | 1034 | 1036 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 106 | 33 | 0 | 0 | 237 |
| | | | | | 33 | 0 | 0 | 237 | 385 | 0 | 0 | 234 |
| 30x20 | 1034 | 1036 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 106 | 33 | 0 | 0 | 237 |
| | | | | | 33 | 0 | 0 | 237 | 385 | 0 | 0 | 234 |
| 30x20 | 1034 | 1036 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 91 | 33 | 0 | 0 | 203 |
| | | | | | 33 | 0 | 0 | 203 | 385 | 0 | 0 | 200 |
| 30x20 | 1036 | 1038 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 228 | 0 | 0 | 150 |
| 30x20 | 1036 | 1038 | QP Solai | PolG | 0 | 0 | 0 | 369 | 15 | 0 | 0 | 370 |
| | | | | | 15 | 0 | 0 | 395 | 29 | 0 | 0 | 699 |
| | | | | | 29 | 0 | 0 | 699 | 191 | 0 | 0 | 693 |
| | | | | | 191 | 0 | 0 | 674 | 210 | 0 | 0 | 414 |
| | | | | | 210 | 0 | 0 | 414 | 213 | 0 | 0 | 376 |
| 30x20 | 1036 | 1038 | QFissi Solai | PolG | 0 | 0 | 0 | 159 | 15 | 0 | 0 | 282 |
| | | | | | 15 | 0 | 0 | 282 | 205 | 0 | 0 | 279 |
| | | | | | 205 | 0 | 0 | 151 | 207 | 0 | 0 | 151 |
| | | | | | 207 | 0 | 0 | 268 | 225 | 0 | 0 | 170 |
| | | | | | 225 | 0 | 0 | 170 | 228 | 0 | 0 | 151 |
| 30x20 | 1036 | 1038 | QV Solai | PolG | 0 | 0 | 0 | 159 | 15 | 0 | 0 | 282 |
| | | | | | 15 | 0 | 0 | 282 | 205 | 0 | 0 | 279 |
| | | | | | 205 | 0 | 0 | 151 | 207 | 0 | 0 | 151 |
| | | | | | 207 | 0 | 0 | 268 | 225 | 0 | 0 | 170 |
| | | | | | 225 | 0 | 0 | 170 | 228 | 0 | 0 | 151 |
| 30x20 | 1036 | 1038 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 111 | 15 | 0 | 0 | 197 |
| | | | | | 15 | 0 | 0 | 197 | 205 | 0 | 0 | 195 |
| | | | | | 205 | 0 | 0 | 106 | 207 | 0 | 0 | 106 |
| | | | | | 207 | 0 | 0 | 187 | 225 | 0 | 0 | 119 |
| | | | | | 225 | 0 | 0 | 119 | 228 | 0 | 0 | 106 |
| 30x20 | 1036 | 1038 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 111 | 15 | 0 | 0 | 197 |
| | | | | | 15 | 0 | 0 | 197 | 205 | 0 | 0 | 195 |
| | | | | | 205 | 0 | 0 | 106 | 207 | 0 | 0 | 106 |
| | | | | | 207 | 0 | 0 | 187 | 225 | 0 | 0 | 119 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 225 | 0 | 0 | 119 | 228 | 0 | 0 | 106 |
| 30x20 | 1036 | 1038 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 95 | 15 | 0 | 0 | 169 |
| | | | | | 15 | 0 | 0 | 169 | 205 | 0 | 0 | 167 |
| | | | | | 205 | 0 | 0 | 91 | 207 | 0 | 0 | 91 |
| | | | | | 207 | 0 | 0 | 161 | 225 | 0 | 0 | 102 |
| | | | | | 225 | 0 | 0 | 102 | 228 | 0 | 0 | 91 |
| **Trave 121** | | | | | | | | | | | | |
| 30x20 | 1256 | 1251 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 372 | 0 | 0 | 150 |
| 30x20 | 1256 | 1251 | QP Solai | PolG | 0 | 0 | 0 | 571 | 16 | 0 | 0 | 572 |
| | | | | | 16 | 0 | 0 | 572 | 32 | 0 | 0 | 632 |
| | | | | | 32 | 0 | 0 | 632 | 42 | 0 | 0 | 653 |
| | | | | | 42 | 0 | 0 | 653 | 56 | 0 | 0 | 681 |
| | | | | | 56 | 0 | 0 | 681 | 345 | 0 | 0 | 155 |
| | | | | | 345 | 0 | 0 | 155 | 364 | 0 | 0 | 155 |
| 30x20 | 1256 | 1251 | QFissi Solai | PolG | 0 | 0 | 0 | 605 | 17 | 0 | 0 | 670 |
| | | | | | 17 | 0 | 0 | 670 | 27 | 0 | 0 | 710 |
| | | | | | 27 | 0 | 0 | 710 | 40 | 0 | 0 | 761 |
| | | | | | 40 | 0 | 0 | 761 | 41 | 0 | 0 | 764 |
| | | | | | 41 | 0 | 0 | 764 | 372 | 0 | 0 | 164 |
| 30x20 | 1256 | 1251 | QV Solai | PolG | 0 | 0 | 0 | 648 | 17 | 0 | 0 | 718 |
| | | | | | 17 | 0 | 0 | 718 | 27 | 0 | 0 | 760 |
| | | | | | 27 | 0 | 0 | 760 | 40 | 0 | 0 | 816 |
| | | | | | 40 | 0 | 0 | 816 | 41 | 0 | 0 | 819 |
| | | | | | 41 | 0 | 0 | 819 | 372 | 0 | 0 | 175 |
| 30x20 | 1256 | 1251 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 454 | 17 | 0 | 0 | 502 |
| | | | | | 17 | 0 | 0 | 502 | 27 | 0 | 0 | 532 |
| | | | | | 27 | 0 | 0 | 532 | 40 | 0 | 0 | 571 |
| | | | | | 40 | 0 | 0 | 571 | 41 | 0 | 0 | 573 |
| | | | | | 41 | 0 | 0 | 573 | 372 | 0 | 0 | 123 |
| 30x20 | 1256 | 1251 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 324 | 17 | 0 | 0 | 359 |
| | | | | | 17 | 0 | 0 | 359 | 27 | 0 | 0 | 380 |
| | | | | | 27 | 0 | 0 | 380 | 40 | 0 | 0 | 408 |
| | | | | | 40 | 0 | 0 | 408 | 41 | 0 | 0 | 409 |
| | | | | | 41 | 0 | 0 | 409 | 372 | 0 | 0 | 88 |
| 30x20 | 1256 | 1251 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 194 | 17 | 0 | 0 | 215 |
| | | | | | 17 | 0 | 0 | 215 | 27 | 0 | 0 | 228 |
| | | | | | 27 | 0 | 0 | 228 | 40 | 0 | 0 | 245 |
| | | | | | 40 | 0 | 0 | 245 | 41 | 0 | 0 | 246 |
| | | | | | 41 | 0 | 0 | 246 | 372 | 0 | 0 | 53 |
| 30x20 | 1257 | 1256 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 372 | 0 | 0 | 150 |
| 30x20 | 1257 | 1256 | QP Solai | PolG | 0 | 0 | 0 | 705 | 358 | 0 | 0 | 727 |
| | | | | | 358 | 0 | 0 | 570 | 372 | 0 | 0 | 571 |
| 30x20 | 1257 | 1256 | QFissi Solai | PolG | 0 | 0 | 0 | 747 | 372 | 0 | 0 | 770 |
| 30x20 | 1257 | 1256 | QV Solai | PolG | 0 | 0 | 0 | 801 | 372 | 0 | 0 | 825 |
| 30x20 | 1257 | 1256 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 560 | 372 | 0 | 0 | 578 |
| 30x20 | 1257 | 1256 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 400 | 372 | 0 | 0 | 413 |
| 30x20 | 1257 | 1256 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 240 | 372 | 0 | 0 | 248 |
| 30x20 | 1258 | 1257 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 90 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1258 | 1257 | QP Solai | PolG | 0 | 0 | 0 | 699 | 90 | 0 | 0 | 705 |
| 30x20 | 1258 | 1257 | QFissi Solai | PolG | 0 | 0 | 0 | 742 | 90 | 0 | 0 | 747 |
| 30x20 | 1258 | 1257 | QV Solai | PolG | 0 | 0 | 0 | 795 | 90 | 0 | 0 | 800 |
| 30x20 | 1258 | 1257 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 556 | 90 | 0 | 0 | 560 |
| 30x20 | 1258 | 1257 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 397 | 90 | 0 | 0 | 400 |
| 30x20 | 1258 | 1257 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 238 | 90 | 0 | 0 | 240 |
| 30x20 | 1260 | 1258 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 95 | 0 | 0 | 150 |
| 30x20 | 1260 | 1258 | QP Solai | PolG | 15 | 0 | 0 | 8 | 18 | 0 | 0 | 61 |
| | | | | | 18 | 0 | 0 | 61 | 24 | 0 | 0 | 267 |
| | | | | | 24 | 0 | 0 | 267 | 27 | 0 | 0 | 333 |
| | | | | | 27 | 0 | 0 | 333 | 48 | 0 | 0 | 697 |
| | | | | | 48 | 0 | 0 | 697 | 95 | 0 | 0 | 700 |
| 30x20 | 1260 | 1258 | QFissi Solai | PolG | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 78 |
| | | | | | 3 | 0 | 0 | 78 | 9 | 0 | 0 | 284 |
| | | | | | 9 | 0 | 0 | 284 | 12 | 0 | 0 | 360 |
| | | | | | 12 | 0 | 0 | 360 | 34 | 0 | 0 | 738 |
| | | | | | 34 | 0 | 0 | 738 | 95 | 0 | 0 | 742 |
| 30x20 | 1260 | 1258 | QV Solai | PolG | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 83 |
| | | | | | 3 | 0 | 0 | 83 | 9 | 0 | 0 | 304 |
| | | | | | 9 | 0 | 0 | 304 | 12 | 0 | 0 | 385 |
| | | | | | 12 | 0 | 0 | 385 | 34 | 0 | 0 | 791 |
| | | | | | 34 | 0 | 0 | 791 | 95 | 0 | 0 | 795 |
| 30x20 | 1260 | 1258 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 58 |
| | | | | | 3 | 0 | 0 | 58 | 9 | 0 | 0 | 213 |
| | | | | | 9 | 0 | 0 | 213 | 12 | 0 | 0 | 270 |
| | | | | | 12 | 0 | 0 | 270 | 34 | 0 | 0 | 554 |
| | | | | | 34 | 0 | 0 | 554 | 95 | 0 | 0 | 556 |
| 30x20 | 1260 | 1258 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 42 |
| | | | | | 3 | 0 | 0 | 42 | 9 | 0 | 0 | 152 |
| | | | | | 9 | 0 | 0 | 152 | 12 | 0 | 0 | 193 |
| | | | | | 12 | 0 | 0 | 193 | 34 | 0 | 0 | 395 |
| | | | | | 34 | 0 | 0 | 395 | 95 | 0 | 0 | 397 |
| 30x20 | 1260 | 1258 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 25 |
| | | | | | 3 | 0 | 0 | 25 | 9 | 0 | 0 | 91 |
| | | | | | 9 | 0 | 0 | 91 | 12 | 0 | 0 | 116 |
| | | | | | 12 | 0 | 0 | 116 | 34 | 0 | 0 | 237 |
| | | | | | 34 | 0 | 0 | 237 | 95 | 0 | 0 | 238 |
| 30x20 | 1262 | 1260 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 621 | 0 | 0 | 150 |
| 30x20 | 1262 | 1260 | QP Solai | PolG | 16 | 0 | 0 | 0 | 25 | 0 | 0 | 267 |
| | | | | | 25 | 0 | 0 | 0 | 36 | 0 | 0 | 0 |
| | | | | | 36 | 0 | 0 | 604 | 606 | 0 | 0 | 606 |
| 30x20 | 1262 | 1260 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 284 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 638 | 621 | 0 | 0 | 640 |
| 30x20 | 1262 | 1260 | QV Solai | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 304 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 683 | 621 | 0 | 0 | 685 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1262 | 1260 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 213 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 478 | 621 | 0 | 0 | 480 |
| 30x20 | 1262 | 1260 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 152 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 342 | 621 | 0 | 0 | 343 |
| 30x20 | 1262 | 1260 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 91 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 205 | 621 | 0 | 0 | 206 |
| 30x20 | 1265 | 1262 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 929 | 0 | 0 | 150 |
| 30x20 | 1265 | 1262 | QP Solai | PolG | 16 | 0 | 0 | 0 | 38 | 0 | 0 | 872 |
| | | | | | 38 | 0 | 0 | 872 | 48 | 0 | 0 | 1255 |
| | | | | | 48 | 0 | 0 | 0 | 55 | 0 | 0 | 0 |
| | | | | | 55 | 0 | 0 | 1511 | 101 | 0 | 0 | 1506 |
| | | | | | 101 | 0 | 0 | 1506 | 246 | 0 | 0 | 1493 |
| | | | | | 246 | 0 | 0 | 1493 | 287 | 0 | 0 | 1490 |
| | | | | | 287 | 0 | 0 | 1490 | 710 | 0 | 0 | 1452 |
| | | | | | 710 | 0 | 0 | 1452 | 830 | 0 | 0 | 1441 |
| | | | | | 830 | 0 | 0 | 1441 | 915 | 0 | 0 | 1434 |
| 30x20 | 1265 | 1262 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 347 |
| | | | | | 23 | 0 | 0 | 347 | 33 | 0 | 0 | 490 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 603 | 101 | 0 | 0 | 601 |
| | | | | | 101 | 0 | 0 | 601 | 246 | 0 | 0 | 596 |
| | | | | | 246 | 0 | 0 | 596 | 288 | 0 | 0 | 595 |
| | | | | | 288 | 0 | 0 | 595 | 711 | 0 | 0 | 580 |
| | | | | | 711 | 0 | 0 | 580 | 831 | 0 | 0 | 576 |
| | | | | | 831 | 0 | 0 | 576 | 929 | 0 | 0 | 573 |
| 30x20 | 1265 | 1262 | QV Solai | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 347 |
| | | | | | 23 | 0 | 0 | 347 | 33 | 0 | 0 | 490 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 603 | 101 | 0 | 0 | 601 |
| | | | | | 101 | 0 | 0 | 601 | 246 | 0 | 0 | 596 |
| | | | | | 246 | 0 | 0 | 596 | 288 | 0 | 0 | 595 |
| | | | | | 288 | 0 | 0 | 595 | 711 | 0 | 0 | 580 |
| | | | | | 711 | 0 | 0 | 580 | 831 | 0 | 0 | 576 |
| | | | | | 831 | 0 | 0 | 576 | 929 | 0 | 0 | 573 |
| 30x20 | 1265 | 1262 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 243 |
| | | | | | 23 | 0 | 0 | 243 | 33 | 0 | 0 | 343 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 422 | 101 | 0 | 0 | 421 |
| | | | | | 101 | 0 | 0 | 421 | 246 | 0 | 0 | 417 |
| | | | | | 246 | 0 | 0 | 417 | 288 | 0 | 0 | 416 |
| | | | | | 288 | 0 | 0 | 416 | 711 | 0 | 0 | 406 |
| | | | | | 711 | 0 | 0 | 406 | 831 | 0 | 0 | 404 |
| | | | | | 831 | 0 | 0 | 404 | 929 | 0 | 0 | 401 |
| 30x20 | 1265 | 1262 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 243 |
| | | | | | 23 | 0 | 0 | 243 | 33 | 0 | 0 | 343 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 422 | 101 | 0 | 0 | 421 |
| | | | | | 101 | 0 | 0 | 421 | 246 | 0 | 0 | 417 |
| | | | | | 246 | 0 | 0 | 417 | 288 | 0 | 0 | 416 |
| | | | | | 288 | 0 | 0 | 416 | 711 | 0 | 0 | 406 |
| | | | | | 711 | 0 | 0 | 406 | 831 | 0 | 0 | 404 |
| | | | | | 831 | 0 | 0 | 404 | 929 | 0 | 0 | 401 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1265 | 1262 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 208 |
| | | | | | 23 | 0 | 0 | 208 | 33 | 0 | 0 | 294 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 362 | 101 | 0 | 0 | 361 |
| | | | | | 101 | 0 | 0 | 361 | 246 | 0 | 0 | 358 |
| | | | | | 246 | 0 | 0 | 358 | 288 | 0 | 0 | 357 |
| | | | | | 288 | 0 | 0 | 357 | 711 | 0 | 0 | 348 |
| | | | | | 711 | 0 | 0 | 348 | 831 | 0 | 0 | 346 |
| | | | | | 831 | 0 | 0 | 346 | 929 | 0 | 0 | 344 |
| 30x20 | 1266 | 1265 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 672 | 0 | 0 | 150 |
| 30x20 | 1266 | 1265 | QP Solai | PolG | 15 | 0 | 0 | 730 | 313 | 0 | 0 | 734 |
| | | | | | 313 | 0 | 0 | 734 | 433 | 0 | 0 | 736 |
| | | | | | 433 | 0 | 0 | 736 | 658 | 0 | 0 | 739 |
| 30x20 | 1266 | 1265 | QFissi Solai | PolG | 0 | 0 | 0 | 764 | 312 | 0 | 0 | 768 |
| | | | | | 312 | 0 | 0 | 768 | 432 | 0 | 0 | 770 |
| | | | | | 432 | 0 | 0 | 770 | 672 | 0 | 0 | 773 |
| 30x20 | 1266 | 1265 | QV Solai | PolG | 0 | 0 | 0 | 818 | 312 | 0 | 0 | 823 |
| | | | | | 312 | 0 | 0 | 823 | 432 | 0 | 0 | 825 |
| | | | | | 432 | 0 | 0 | 825 | 672 | 0 | 0 | 828 |
| 30x20 | 1266 | 1265 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 573 | 312 | 0 | 0 | 576 |
| | | | | | 312 | 0 | 0 | 576 | 432 | 0 | 0 | 577 |
| | | | | | 432 | 0 | 0 | 577 | 672 | 0 | 0 | 580 |
| 30x20 | 1266 | 1265 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 409 | 312 | 0 | 0 | 411 |
| | | | | | 312 | 0 | 0 | 411 | 432 | 0 | 0 | 412 |
| | | | | | 432 | 0 | 0 | 412 | 672 | 0 | 0 | 414 |
| 30x20 | 1266 | 1265 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 246 | 312 | 0 | 0 | 247 |
| | | | | | 312 | 0 | 0 | 247 | 672 | 0 | 0 | 248 |
| 30x20 | 1268 | 1266 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 733 | 0 | 0 | 150 |
| 30x20 | 1268 | 1266 | QP Solai | PolG | 14 | 0 | 0 | 722 | 276 | 0 | 0 | 726 |
| | | | | | 276 | 0 | 0 | 726 | 396 | 0 | 0 | 727 |
| | | | | | 396 | 0 | 0 | 727 | 718 | 0 | 0 | 732 |
| 30x20 | 1268 | 1266 | QFissi Solai | PolG | 0 | 0 | 0 | 756 | 275 | 0 | 0 | 759 |
| | | | | | 275 | 0 | 0 | 759 | 395 | 0 | 0 | 761 |
| | | | | | 395 | 0 | 0 | 761 | 733 | 0 | 0 | 766 |
| 30x20 | 1268 | 1266 | QV Solai | PolG | 0 | 0 | 0 | 810 | 275 | 0 | 0 | 814 |
| | | | | | 275 | 0 | 0 | 814 | 395 | 0 | 0 | 815 |
| | | | | | 395 | 0 | 0 | 815 | 733 | 0 | 0 | 820 |
| 30x20 | 1268 | 1266 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 567 | 275 | 0 | 0 | 570 |
| | | | | | 275 | 0 | 0 | 570 | 395 | 0 | 0 | 571 |
| | | | | | 395 | 0 | 0 | 571 | 733 | 0 | 0 | 574 |
| 30x20 | 1268 | 1266 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 405 | 275 | 0 | 0 | 407 |
| | | | | | 275 | 0 | 0 | 407 | 395 | 0 | 0 | 408 |
| | | | | | 395 | 0 | 0 | 408 | 733 | 0 | 0 | 410 |
| 30x20 | 1268 | 1266 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 243 | 395 | 0 | 0 | 245 |
| | | | | | 395 | 0 | 0 | 245 | 733 | 0 | 0 | 246 |
| 30x20 | 1270 | 1268 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 186 | 0 | 0 | 150 |
| 30x20 | 1270 | 1268 | QP Solai | PolG | 14 | 0 | 0 | 180 | 129 | 0 | 0 | 182 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 129 | 0 | 0 | 182 | 136 | 0 | 0 | 151 |
| | | | | | 136 | 0 | 0 | 151 | 164 | 0 | 0 | 29 |
| | | | | | 164 | 0 | 0 | 29 | 170 | 0 | 0 | 2 |
| 30x20 | 1270 | 1268 | QFissi Solai | PolG | 0 | 0 | 0 | 188 | 143 | 0 | 0 | 190 |
| | | | | | 143 | 0 | 0 | 190 | 151 | 0 | 0 | 155 |
| | | | | | 151 | 0 | 0 | 155 | 178 | 0 | 0 | 34 |
| | | | | | 178 | 0 | 0 | 34 | 186 | 0 | 0 | 2 |
| 30x20 | 1270 | 1268 | QV Solai | PolG | 0 | 0 | 0 | 202 | 143 | 0 | 0 | 204 |
| | | | | | 143 | 0 | 0 | 204 | 151 | 0 | 0 | 167 |
| | | | | | 151 | 0 | 0 | 167 | 178 | 0 | 0 | 36 |
| | | | | | 178 | 0 | 0 | 36 | 186 | 0 | 0 | 2 |
| 30x20 | 1270 | 1268 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 141 | 143 | 0 | 0 | 143 |
| | | | | | 143 | 0 | 0 | 143 | 151 | 0 | 0 | 117 |
| | | | | | 151 | 0 | 0 | 117 | 178 | 0 | 0 | 26 |
| | | | | | 178 | 0 | 0 | 26 | 186 | 0 | 0 | 1 |
| 30x20 | 1270 | 1268 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 101 | 143 | 0 | 0 | 102 |
| | | | | | 143 | 0 | 0 | 102 | 151 | 0 | 0 | 83 |
| | | | | | 151 | 0 | 0 | 83 | 178 | 0 | 0 | 18 |
| | | | | | 178 | 0 | 0 | 18 | 186 | 0 | 0 | 1 |
| 30x20 | 1270 | 1268 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 61 | 143 | 0 | 0 | 61 |
| | | | | | 143 | 0 | 0 | 61 | 151 | 0 | 0 | 50 |
| | | | | | 151 | 0 | 0 | 50 | 178 | 0 | 0 | 11 |
| | | | | | 178 | 0 | 0 | 11 | 186 | 0 | 0 | 1 |
| 30x20 | 1274 | 1270 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 531 | 0 | 0 | 150 |
| 30x20 | 1274 | 1270 | QP Solai | PolG | 15 | 0 | 0 | 173 | 291 | 0 | 0 | 180 |
| | | | | | 291 | 0 | 0 | 180 | 410 | 0 | 0 | 183 |
| | | | | | 410 | 0 | 0 | 183 | 468 | 0 | 0 | 184 |
| | | | | | 468 | 0 | 0 | 184 | 477 | 0 | 0 | 150 |
| | | | | | 477 | 0 | 0 | 150 | 506 | 0 | 0 | 38 |
| | | | | | 506 | 0 | 0 | 38 | 515 | 0 | 0 | 5 |
| 30x20 | 1274 | 1270 | QFissi Solai | PolG | 0 | 0 | 0 | 182 | 290 | 0 | 0 | 189 |
| | | | | | 290 | 0 | 0 | 189 | 409 | 0 | 0 | 192 |
| | | | | | 409 | 0 | 0 | 192 | 482 | 0 | 0 | 193 |
| | | | | | 482 | 0 | 0 | 193 | 492 | 0 | 0 | 154 |
| | | | | | 492 | 0 | 0 | 154 | 521 | 0 | 0 | 43 |
| | | | | | 521 | 0 | 0 | 43 | 531 | 0 | 0 | 6 |
| 30x20 | 1274 | 1270 | QV Solai | PolG | 0 | 0 | 0 | 195 | 290 | 0 | 0 | 202 |
| | | | | | 290 | 0 | 0 | 202 | 409 | 0 | 0 | 205 |
| | | | | | 409 | 0 | 0 | 205 | 482 | 0 | 0 | 207 |
| | | | | | 482 | 0 | 0 | 207 | 492 | 0 | 0 | 165 |
| | | | | | 492 | 0 | 0 | 165 | 521 | 0 | 0 | 46 |
| | | | | | 521 | 0 | 0 | 46 | 531 | 0 | 0 | 6 |
| 30x20 | 1274 | 1270 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 136 | 290 | 0 | 0 | 141 |
| | | | | | 290 | 0 | 0 | 141 | 409 | 0 | 0 | 144 |
| | | | | | 409 | 0 | 0 | 144 | 482 | 0 | 0 | 145 |
| | | | | | 482 | 0 | 0 | 145 | 492 | 0 | 0 | 116 |
| | | | | | 492 | 0 | 0 | 116 | 521 | 0 | 0 | 32 |
| | | | | | 521 | 0 | 0 | 32 | 531 | 0 | 0 | 4 |
| 30x20 | 1274 | 1270 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 97 | 290 | 0 | 0 | 101 |
| | | | | | 290 | 0 | 0 | 101 | 482 | 0 | 0 | 104 |
| | | | | | 482 | 0 | 0 | 104 | 492 | 0 | 0 | 83 |
| | | | | | 492 | 0 | 0 | 83 | 521 | 0 | 0 | 23 |
| | | | | | 521 | 0 | 0 | 23 | 531 | 0 | 0 | 3 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1274 | 1270 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 58 | 290 | 0 | 0 | 61 |
| | | | | | 290 | 0 | 0 | 61 | 482 | 0 | 0 | 62 |
| | | | | | 482 | 0 | 0 | 62 | 492 | 0 | 0 | 50 |
| | | | | | 492 | 0 | 0 | 50 | 521 | 0 | 0 | 14 |
| | | | | | 521 | 0 | 0 | 14 | 531 | 0 | 0 | 2 |
| **Trave 122** | | | | | | | | | | | | |
| 30x20 | 1277 | 1276 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 563 | 0 | 0 | 150 |
| 30x20 | 1277 | 1276 | QP Solai | PolG | 9 | 0 | 0 | 571 | 40 | 0 | 0 | 570 |
| | | | | | 40 | 0 | 0 | 570 | 413 | 0 | 0 | 554 |
| | | | | | 413 | 0 | 0 | 554 | 503 | 0 | 0 | 551 |
| | | | | | 503 | 0 | 0 | 551 | 549 | 0 | 0 | 549 |
| 30x20 | 1277 | 1276 | QFissi Solai | PolG | 0 | 0 | 0 | 605 | 40 | 0 | 0 | 604 |
| | | | | | 40 | 0 | 0 | 604 | 412 | 0 | 0 | 588 |
| | | | | | 412 | 0 | 0 | 588 | 502 | 0 | 0 | 584 |
| | | | | | 502 | 0 | 0 | 584 | 563 | 0 | 0 | 582 |
| 30x20 | 1277 | 1276 | QV Solai | PolG | 0 | 0 | 0 | 649 | 40 | 0 | 0 | 647 |
| | | | | | 40 | 0 | 0 | 647 | 412 | 0 | 0 | 630 |
| | | | | | 412 | 0 | 0 | 630 | 502 | 0 | 0 | 626 |
| | | | | | 502 | 0 | 0 | 626 | 563 | 0 | 0 | 623 |
| 30x20 | 1277 | 1276 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 454 | 40 | 0 | 0 | 453 |
| | | | | | 40 | 0 | 0 | 453 | 412 | 0 | 0 | 441 |
| | | | | | 412 | 0 | 0 | 441 | 502 | 0 | 0 | 438 |
| | | | | | 502 | 0 | 0 | 438 | 563 | 0 | 0 | 436 |
| 30x20 | 1277 | 1276 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 324 | 40 | 0 | 0 | 323 |
| | | | | | 40 | 0 | 0 | 323 | 412 | 0 | 0 | 315 |
| | | | | | 412 | 0 | 0 | 315 | 502 | 0 | 0 | 313 |
| | | | | | 502 | 0 | 0 | 313 | 563 | 0 | 0 | 312 |
| 30x20 | 1277 | 1276 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 195 | 40 | 0 | 0 | 194 |
| | | | | | 40 | 0 | 0 | 194 | 412 | 0 | 0 | 189 |
| | | | | | 412 | 0 | 0 | 189 | 502 | 0 | 0 | 188 |
| | | | | | 502 | 0 | 0 | 188 | 563 | 0 | 0 | 187 |
| **Trave 123** | | | | | | | | | | | | |
| 30x20 | 1063 | 1087 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 187 | 0 | 0 | 150 |
| 30x20 | 1063 | 1087 | QP Solai | PolG | 14 | 0 | 0 | 1450 | 16 | 0 | 0 | 1451 |
| | | | | | 16 | 0 | 0 | 1451 | 24 | 0 | 0 | 1525 |
| | | | | | 24 | 0 | 0 | 1525 | 43 | 0 | 0 | 1699 |
| | | | | | 43 | 0 | 0 | 1699 | 58 | 0 | 0 | 1839 |
| | | | | | 58 | 0 | 0 | 1839 | 72 | 0 | 0 | 1971 |
| | | | | | 72 | 0 | 0 | 1971 | 95 | 0 | 0 | 1982 |
| | | | | | 95 | 0 | 0 | 1982 | 140 | 0 | 0 | 1116 |
| | | | | | 140 | 0 | 0 | 1116 | 171 | 0 | 0 | 519 |
| | | | | | 171 | 0 | 0 | 510 | 187 | 0 | 0 | 511 |
| 30x20 | 1063 | 1087 | QFissi Solai | PolG | 0 | 0 | 0 | 579 | 10 | 0 | 0 | 674 |
| | | | | | 10 | 0 | 0 | 674 | 29 | 0 | 0 | 844 |
| | | | | | 29 | 0 | 0 | 844 | 44 | 0 | 0 | 981 |
| | | | | | 44 | 0 | 0 | 981 | 60 | 0 | 0 | 1127 |
| | | | | | 60 | 0 | 0 | 1127 | 106 | 0 | 0 | 1138 |
| | | | | | 106 | 0 | 0 | 1138 | 154 | 0 | 0 | 799 |
| | | | | | 154 | 0 | 0 | 799 | 187 | 0 | 0 | 557 |
| 30x20 | 1063 | 1087 | QV Solai | PolG | 0 | 0 | 0 | 579 | 10 | 0 | 0 | 680 |
| | | | | | 10 | 0 | 0 | 680 | 29 | 0 | 0 | 862 |
| | | | | | 29 | 0 | 0 | 862 | 44 | 0 | 0 | 1009 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 44 | 0 | 0 | 1009 | 60 | 0 | 0 | 1166 |
| | | | | | 60 | 0 | 0 | 1166 | 106 | 0 | 0 | 1177 |
| | | | | | 106 | 0 | 0 | 1177 | 154 | 0 | 0 | 838 |
| | | | | | 154 | 0 | 0 | 838 | 187 | 0 | 0 | 597 |
| 30x20 | 1063 | 1087 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 405 | 10 | 0 | 0 | 476 |
| | | | | | 10 | 0 | 0 | 476 | 29 | 0 | 0 | 604 |
| | | | | | 29 | 0 | 0 | 604 | 44 | 0 | 0 | 706 |
| | | | | | 44 | 0 | 0 | 706 | 60 | 0 | 0 | 816 |
| | | | | | 60 | 0 | 0 | 816 | 106 | 0 | 0 | 824 |
| | | | | | 106 | 0 | 0 | 824 | 154 | 0 | 0 | 586 |
| | | | | | 154 | 0 | 0 | 586 | 187 | 0 | 0 | 418 |
| 30x20 | 1063 | 1087 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 405 | 10 | 0 | 0 | 476 |
| | | | | | 10 | 0 | 0 | 476 | 29 | 0 | 0 | 604 |
| | | | | | 29 | 0 | 0 | 604 | 44 | 0 | 0 | 706 |
| | | | | | 44 | 0 | 0 | 706 | 60 | 0 | 0 | 816 |
| | | | | | 60 | 0 | 0 | 816 | 106 | 0 | 0 | 824 |
| | | | | | 106 | 0 | 0 | 824 | 154 | 0 | 0 | 586 |
| | | | | | 154 | 0 | 0 | 586 | 187 | 0 | 0 | 418 |
| 30x20 | 1063 | 1087 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 347 | 10 | 0 | 0 | 408 |
| | | | | | 10 | 0 | 0 | 408 | 29 | 0 | 0 | 517 |
| | | | | | 29 | 0 | 0 | 517 | 44 | 0 | 0 | 605 |
| | | | | | 44 | 0 | 0 | 605 | 60 | 0 | 0 | 699 |
| | | | | | 60 | 0 | 0 | 699 | 106 | 0 | 0 | 706 |
| | | | | | 106 | 0 | 0 | 706 | 154 | 0 | 0 | 503 |
| | | | | | 154 | 0 | 0 | 503 | 187 | 0 | 0 | 358 |
| 30x20 | 1087 | 1096 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 33 | 0 | 0 | 150 |
| 30x20 | 1087 | 1096 | QP Solai | PolG | 0 | 0 | 0 | 511 | 14 | 0 | 0 | 513 |
| | | | | | 14 | 0 | 0 | 652 | 33 | 0 | 0 | 658 |
| 30x20 | 1087 | 1096 | QFissi Solai | PolG | 0 | 0 | 0 | 614 | 33 | 0 | 0 | 620 |
| 30x20 | 1087 | 1096 | QV Solai | PolG | 0 | 0 | 0 | 654 | 33 | 0 | 0 | 660 |
| 30x20 | 1087 | 1096 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 458 | 33 | 0 | 0 | 462 |
| 30x20 | 1087 | 1096 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 458 | 33 | 0 | 0 | 462 |
| 30x20 | 1087 | 1096 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 392 | 33 | 0 | 0 | 396 |
| 30x20 | 1096 | 1103 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 145 | 0 | 0 | 150 |
| 30x20 | 1096 | 1103 | QP Solai | PolG | 0 | 0 | 0 | 658 | 145 | 0 | 0 | 706 |
| 30x20 | 1096 | 1103 | QFissi Solai | PolG | 0 | 0 | 0 | 620 | 145 | 0 | 0 | 648 |
| 30x20 | 1096 | 1103 | QV Solai | PolG | 0 | 0 | 0 | 660 | 145 | 0 | 0 | 688 |
| 30x20 | 1096 | 1103 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 462 | 145 | 0 | 0 | 482 |
| 30x20 | 1096 | 1103 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 462 | 145 | 0 | 0 | 482 |
| 30x20 | 1096 | 1103 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 396 | 145 | 0 | 0 | 413 |
| 30x20 | 1103 | 1114 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 164 | 0 | 0 | 150 |
| 30x20 | 1103 | 1114 | QP Solai | PolG | 0 | 0 | 0 | 706 | 144 | 0 | 0 | 753 |
| | | | | | 144 | 0 | 0 | 753 | 148 | 0 | 0 | 653 |
| | | | | | 148 | 0 | 0 | 108 | 149 | 0 | 0 | 74 |
| 30x20 | 110 | 111 | QFissi Solai | PolG | 0 | 0 | 0 | 648 | 158 | 0 | 0 | 677 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | | | | | | | | | | |
| | | | | | 158 | 0 | 0 | 677 | 164 | 0 | 0 | 618 |
| 30x20 | 1103 | 1114 | QV Solai | PolG | 0 | 0 | 0 | 688 | 158 | 0 | 0 | 719 |
| | | | | | 158 | 0 | 0 | 719 | 164 | 0 | 0 | 660 |
| 30x20 | 1103 | 1114 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 482 | 158 | 0 | 0 | 503 |
| | | | | | 158 | 0 | 0 | 503 | 164 | 0 | 0 | 462 |
| 30x20 | 1103 | 1114 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 482 | 158 | 0 | 0 | 503 |
| | | | | | 158 | 0 | 0 | 503 | 164 | 0 | 0 | 462 |
| 30x20 | 1103 | 1114 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 413 | 158 | 0 | 0 | 431 |
| | | | | | 158 | 0 | 0 | 431 | 164 | 0 | 0 | 396 |
| 30x20 | 1114 | 1124 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 131 | 0 | 0 | 150 |
| 30x20 | 1114 | 1124 | QP Solai | PolG | 14 | 0 | 0 | 86 | 16 | 0 | 0 | 119 |
| | | | | | 16 | 0 | 0 | 255 | 20 | 0 | 0 | 357 |
| | | | | | 20 | 0 | 0 | 357 | 26 | 0 | 0 | 594 |
| | | | | | 26 | 0 | 0 | 594 | 32 | 0 | 0 | 596 |
| | | | | | 32 | 0 | 0 | 596 | 131 | 0 | 0 | 624 |
| 30x20 | 1114 | 1124 | QFissi Solai | PolG | 0 | 0 | 0 | 77 | 2 | 0 | 0 | 163 |
| | | | | | 2 | 0 | 0 | 163 | 6 | 0 | 0 | 297 |
| | | | | | 6 | 0 | 0 | 297 | 12 | 0 | 0 | 549 |
| | | | | | 12 | 0 | 0 | 549 | 131 | 0 | 0 | 567 |
| 30x20 | 1114 | 1124 | QV Solai | PolG | 0 | 0 | 0 | 78 | 2 | 0 | 0 | 170 |
| | | | | | 2 | 0 | 0 | 170 | 6 | 0 | 0 | 314 |
| | | | | | 6 | 0 | 0 | 314 | 12 | 0 | 0 | 584 |
| | | | | | 12 | 0 | 0 | 584 | 131 | 0 | 0 | 602 |
| 30x20 | 1114 | 1124 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 55 | 2 | 0 | 0 | 119 |
| | | | | | 2 | 0 | 0 | 119 | 6 | 0 | 0 | 220 |
| | | | | | 6 | 0 | 0 | 220 | 12 | 0 | 0 | 409 |
| | | | | | 12 | 0 | 0 | 409 | 131 | 0 | 0 | 421 |
| 30x20 | 1114 | 1124 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 51 | 2 | 0 | 0 | 97 |
| | | | | | 2 | 0 | 0 | 97 | 6 | 0 | 0 | 169 |
| | | | | | 6 | 0 | 0 | 169 | 12 | 0 | 0 | 304 |
| | | | | | 12 | 0 | 0 | 304 | 131 | 0 | 0 | 315 |
| 30x20 | 1114 | 1124 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 42 | 2 | 0 | 0 | 69 |
| | | | | | 2 | 0 | 0 | 69 | 6 | 0 | 0 | 112 |
| | | | | | 6 | 0 | 0 | 112 | 12 | 0 | 0 | 194 |
| | | | | | 12 | 0 | 0 | 194 | 131 | 0 | 0 | 202 |
| 30x20 | 1124 | 1137 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 145 | 0 | 0 | 150 |
| 30x20 | 1124 | 1137 | QP Solai | PolG | 0 | 0 | 0 | 624 | 145 | 0 | 0 | 665 |
| 30x20 | 1124 | 1137 | QFissi Solai | PolG | 0 | 0 | 0 | 566 | 145 | 0 | 0 | 587 |
| 30x20 | 1124 | 1137 | QV Solai | PolG | 0 | 0 | 0 | 602 | 145 | 0 | 0 | 623 |
| 30x20 | 1124 | 1137 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 421 | 145 | 0 | 0 | 436 |
| 30x20 | 1124 | 1137 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 315 | 145 | 0 | 0 | 328 |
| 30x20 | 1124 | 1137 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 202 | 145 | 0 | 0 | 212 |
| 30x20 | 1137 | 1154 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 148 | 0 | 0 | 150 |
| 30x20 | 113 | 115 | QP Solai | PolG | 0 | 0 | 0 | 666 | 121 | 0 | 0 | 700 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 4 | | | | | | | | | | |
| | | | | | 121 | 0 | 0 | 700 | 133 | 0 | 0 | 570 |
| | | | | | 133 | 0 | 0 | 478 | 148 | 0 | 0 | 479 |
| 30x20 | 1137 | 1154 | QFissi Solai | PolG | 0 | 0 | 0 | 588 | 134 | 0 | 0 | 607 |
| | | | | | 134 | 0 | 0 | 607 | 148 | 0 | 0 | 550 |
| 30x20 | 1137 | 1154 | QV Solai | PolG | 0 | 0 | 0 | 624 | 134 | 0 | 0 | 644 |
| | | | | | 134 | 0 | 0 | 644 | 148 | 0 | 0 | 587 |
| 30x20 | 1137 | 1154 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 437 | 134 | 0 | 0 | 451 |
| | | | | | 134 | 0 | 0 | 451 | 148 | 0 | 0 | 411 |
| 30x20 | 1137 | 1154 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 329 | 134 | 0 | 0 | 341 |
| | | | | | 134 | 0 | 0 | 341 | 148 | 0 | 0 | 301 |
| 30x20 | 1137 | 1154 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 212 | 134 | 0 | 0 | 222 |
| | | | | | 134 | 0 | 0 | 222 | 148 | 0 | 0 | 187 |
| 30x20 | 1154 | 1165 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 157 | 0 | 0 | 150 |
| 30x20 | 1154 | 1165 | QP Solai | PolG | 0 | 0 | 0 | 479 | 15 | 0 | 0 | 480 |
| | | | | | 15 | 0 | 0 | 613 | 157 | 0 | 0 | 654 |
| 30x20 | 1154 | 1165 | QFissi Solai | PolG | 0 | 0 | 0 | 572 | 157 | 0 | 0 | 595 |
| 30x20 | 1154 | 1165 | QV Solai | PolG | 0 | 0 | 0 | 609 | 157 | 0 | 0 | 632 |
| 30x20 | 1154 | 1165 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 426 | 157 | 0 | 0 | 443 |
| 30x20 | 1154 | 1165 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 316 | 157 | 0 | 0 | 331 |
| 30x20 | 1154 | 1165 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 200 | 157 | 0 | 0 | 211 |
| 30x20 | 1165 | 1169 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 145 | 0 | 0 | 150 |
| 30x20 | 1165 | 1169 | QP Solai | PolG | 0 | 0 | 0 | 654 | 145 | 0 | 0 | 695 |
| 30x20 | 1165 | 1169 | QFissi Solai | PolG | 0 | 0 | 0 | 595 | 145 | 0 | 0 | 616 |
| 30x20 | 1165 | 1169 | QV Solai | PolG | 0 | 0 | 0 | 632 | 145 | 0 | 0 | 654 |
| 30x20 | 1165 | 1169 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 443 | 145 | 0 | 0 | 458 |
| 30x20 | 1165 | 1169 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 331 | 145 | 0 | 0 | 344 |
| 30x20 | 1165 | 1169 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 211 | 145 | 0 | 0 | 221 |
| 30x20 | 1169 | 1190 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 107 | 0 | 0 | 150 |
| 30x20 | 1169 | 1190 | QP Solai | PolG | 0 | 0 | 0 | 696 | 90 | 0 | 0 | 721 |
| | | | | | 90 | 0 | 0 | 721 | 93 | 0 | 0 | 592 |
| 30x20 | 1169 | 1190 | QFissi Solai | PolG | 0 | 0 | 0 | 616 | 103 | 0 | 0 | 631 |
| | | | | | 103 | 0 | 0 | 631 | 107 | 0 | 0 | 574 |
| 30x20 | 1169 | 1190 | QV Solai | PolG | 0 | 0 | 0 | 654 | 103 | 0 | 0 | 669 |
| | | | | | 103 | 0 | 0 | 669 | 107 | 0 | 0 | 612 |
| 30x20 | 1169 | 1190 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 458 | 103 | 0 | 0 | 469 |
| | | | | | 103 | 0 | 0 | 469 | 107 | 0 | 0 | 429 |
| 30x20 | 1169 | 1190 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 344 | 103 | 0 | 0 | 353 |
| | | | | | 103 | 0 | 0 | 353 | 107 | 0 | 0 | 313 |
| 30x20 | 116 | 119 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 222 | 103 | 0 | 0 | 229 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 0 | | | | | | | | | | |
| | | | | | 103 | 0 | 0 | 229 | 107 | 0 | 0 | 194 |
| 30x20 | 1190 | 1215 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 140 | 0 | 0 | 150 |
| 30x20 | 1190 | 1215 | QP Solai | PolG | 15 | 0 | 0 | 13 | 16 | 0 | 0 | 32 |
| | | | | | 16 | 0 | 0 | 214 | 18 | 0 | 0 | 259 |
| | | | | | 18 | 0 | 0 | 259 | 25 | 0 | 0 | 393 |
| | | | | | 25 | 0 | 0 | 393 | 41 | 0 | 0 | 702 |
| | | | | | 41 | 0 | 0 | 702 | 123 | 0 | 0 | 708 |
| | | | | | 123 | 0 | 0 | 708 | 140 | 0 | 0 | 709 |
| 30x20 | 1190 | 1215 | QFissi Solai | PolG | 0 | 0 | 0 | 229 | 4 | 0 | 0 | 310 |
| | | | | | 4 | 0 | 0 | 310 | 11 | 0 | 0 | 444 |
| | | | | | 11 | 0 | 0 | 444 | 28 | 0 | 0 | 769 |
| | | | | | 28 | 0 | 0 | 769 | 121 | 0 | 0 | 776 |
| | | | | | 121 | 0 | 0 | 776 | 140 | 0 | 0 | 777 |
| 30x20 | 1190 | 1215 | QV Solai | PolG | 0 | 0 | 0 | 245 | 4 | 0 | 0 | 332 |
| | | | | | 4 | 0 | 0 | 332 | 11 | 0 | 0 | 476 |
| | | | | | 11 | 0 | 0 | 476 | 28 | 0 | 0 | 824 |
| | | | | | 28 | 0 | 0 | 824 | 121 | 0 | 0 | 831 |
| | | | | | 121 | 0 | 0 | 831 | 140 | 0 | 0 | 832 |
| 30x20 | 1190 | 1215 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 172 | 4 | 0 | 0 | 233 |
| | | | | | 4 | 0 | 0 | 233 | 11 | 0 | 0 | 333 |
| | | | | | 11 | 0 | 0 | 333 | 28 | 0 | 0 | 577 |
| | | | | | 28 | 0 | 0 | 577 | 140 | 0 | 0 | 583 |
| 30x20 | 1190 | 1215 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 123 | 4 | 0 | 0 | 166 |
| | | | | | 4 | 0 | 0 | 166 | 11 | 0 | 0 | 238 |
| | | | | | 11 | 0 | 0 | 238 | 28 | 0 | 0 | 412 |
| | | | | | 28 | 0 | 0 | 412 | 140 | 0 | 0 | 416 |
| 30x20 | 1190 | 1215 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 74 | 4 | 0 | 0 | 100 |
| | | | | | 4 | 0 | 0 | 100 | 11 | 0 | 0 | 143 |
| | | | | | 11 | 0 | 0 | 143 | 28 | 0 | 0 | 247 |
| | | | | | 28 | 0 | 0 | 247 | 140 | 0 | 0 | 250 |
| 30x20 | 1215 | 1248 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 400 | 0 | 0 | 150 |
| 30x20 | 1215 | 1248 | QP Solai | PolG | 0 | 0 | 0 | 709 | 400 | 0 | 0 | 737 |
| 30x20 | 1215 | 1248 | QFissi Solai | PolG | 0 | 0 | 0 | 777 | 400 | 0 | 0 | 805 |
| 30x20 | 1215 | 1248 | QV Solai | PolG | 0 | 0 | 0 | 832 | 400 | 0 | 0 | 862 |
| 30x20 | 1215 | 1248 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 583 | 400 | 0 | 0 | 604 |
| 30x20 | 1215 | 1248 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 416 | 400 | 0 | 0 | 431 |
| 30x20 | 1215 | 1248 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 250 | 400 | 0 | 0 | 259 |
| 30x20 | 1248 | 1270 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 134 | 0 | 0 | 150 |
| 30x20 | 1248 | 1270 | QP Solai | PolG | 0 | 0 | 0 | 737 | 19 | 0 | 0 | 738 |
| | | | | | 19 | 0 | 0 | 738 | 118 | 0 | 0 | 745 |
| | | | | | 118 | 0 | 0 | 13 | 120 | 0 | 0 | 13 |
| 30x20 | 1248 | 1270 | QFissi Solai | PolG | 0 | 0 | 0 | 805 | 17 | 0 | 0 | 806 |
| | | | | | 17 | 0 | 0 | 806 | 132 | 0 | 0 | 814 |
| | | | | | 132 | 0 | 0 | 607 | 134 | 0 | 0 | 607 |
| 30x20 | 1248 | 1270 | QV Solai | PolG | 0 | 0 | 0 | 862 | 17 | 0 | 0 | 864 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 17 | 0 | 0 | 864 | 132 | 0 | 0 | 872 |
| | | | | | 132 | 0 | 0 | 650 | 134 | 0 | 0 | 650 |
| 30x20 | 1248 | 1270 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 604 | 17 | 0 | 0 | 604 |
| | | | | | 17 | 0 | 0 | 604 | 132 | 0 | 0 | 610 |
| | | | | | 132 | 0 | 0 | 455 | 134 | 0 | 0 | 455 |
| 30x20 | 1248 | 1270 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 431 | 132 | 0 | 0 | 436 |
| | | | | | 132 | 0 | 0 | 325 | 134 | 0 | 0 | 325 |
| 30x20 | 1248 | 1270 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 259 | 132 | 0 | 0 | 262 |
| | | | | | 132 | 0 | 0 | 195 | 134 | 0 | 0 | 195 |
| **Trave 124** | | | | | | | | | | | | |
| 30x20 | 1072 | 1121 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 479 | 0 | 0 | 150 |
| 30x20 | 1072 | 1121 | QP Solai | PolG | 13 | 0 | 0 | 501 | 128 | 0 | 0 | 513 |
| | | | | | 128 | 0 | 0 | 513 | 160 | 0 | 0 | 516 |
| | | | | | 160 | 0 | 0 | 516 | 305 | 0 | 0 | 531 |
| | | | | | 305 | 0 | 0 | 531 | 453 | 0 | 0 | 546 |
| | | | | | 453 | 0 | 0 | 0 | 458 | 0 | 0 | 0 |
| | | | | | 458 | 0 | 0 | 293 | 464 | 0 | 0 | 0 |
| 30x20 | 1072 | 1121 | QFissi Solai | PolG | 0 | 0 | 0 | 542 | 127 | 0 | 0 | 555 |
| | | | | | 127 | 0 | 0 | 555 | 159 | 0 | 0 | 558 |
| | | | | | 159 | 0 | 0 | 558 | 304 | 0 | 0 | 573 |
| | | | | | 304 | 0 | 0 | 573 | 467 | 0 | 0 | 589 |
| | | | | | 467 | 0 | 0 | 0 | 473 | 0 | 0 | 0 |
| | | | | | 473 | 0 | 0 | 315 | 479 | 0 | 0 | 0 |
| 30x20 | 1072 | 1121 | QV Solai | PolG | 0 | 0 | 0 | 580 | 127 | 0 | 0 | 594 |
| | | | | | 127 | 0 | 0 | 594 | 159 | 0 | 0 | 598 |
| | | | | | 159 | 0 | 0 | 598 | 304 | 0 | 0 | 614 |
| | | | | | 304 | 0 | 0 | 614 | 467 | 0 | 0 | 632 |
| | | | | | 467 | 0 | 0 | 0 | 473 | 0 | 0 | 0 |
| | | | | | 473 | 0 | 0 | 337 | 479 | 0 | 0 | 0 |
| 30x20 | 1072 | 1121 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 406 | 127 | 0 | 0 | 416 |
| | | | | | 127 | 0 | 0 | 416 | 159 | 0 | 0 | 418 |
| | | | | | 159 | 0 | 0 | 418 | 304 | 0 | 0 | 430 |
| | | | | | 304 | 0 | 0 | 430 | 467 | 0 | 0 | 442 |
| | | | | | 467 | 0 | 0 | 0 | 473 | 0 | 0 | 0 |
| | | | | | 473 | 0 | 0 | 236 | 479 | 0 | 0 | 0 |
| 30x20 | 1072 | 1121 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 406 | 127 | 0 | 0 | 416 |
| | | | | | 127 | 0 | 0 | 416 | 159 | 0 | 0 | 418 |
| | | | | | 159 | 0 | 0 | 418 | 304 | 0 | 0 | 430 |
| | | | | | 304 | 0 | 0 | 430 | 467 | 0 | 0 | 442 |
| | | | | | 467 | 0 | 0 | 0 | 473 | 0 | 0 | 0 |
| | | | | | 473 | 0 | 0 | 236 | 479 | 0 | 0 | 0 |
| 30x20 | 1072 | 1121 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 348 | 127 | 0 | 0 | 357 |
| | | | | | 127 | 0 | 0 | 357 | 159 | 0 | 0 | 359 |
| | | | | | 159 | 0 | 0 | 359 | 304 | 0 | 0 | 368 |
| | | | | | 304 | 0 | 0 | 368 | 467 | 0 | 0 | 379 |
| | | | | | 467 | 0 | 0 | 0 | 473 | 0 | 0 | 0 |
| | | | | | 473 | 0 | 0 | 202 | 479 | 0 | 0 | 0 |
| 30x20 | 1121 | 1195 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 847 | 0 | 0 | 150 |
| 30x20 | 1121 | 1195 | QP Solai | PolG | 15 | 0 | 0 | 440 | 120 | 0 | 0 | 449 |
| | | | | | 120 | 0 | 0 | 449 | 264 | 0 | 0 | 460 |
| | | | | | 264 | 0 | 0 | 460 | 412 | 0 | 0 | 473 |
| | | | | | 412 | 0 | 0 | 473 | 569 | 0 | 0 | 485 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 569 | 0 | 0 | 485 | 713 | 0 | 0 | 497 |
| | | | | | 713 | 0 | 0 | 497 | 805 | 0 | 0 | 505 |
| | | | | | 805 | 0 | 0 | 0 | 815 | 0 | 0 | 0 |
| | | | | | 815 | 0 | 0 | 306 | 831 | 0 | 0 | 0 |
| 30x20 | 1121 | 1195 | QFissi Solai | PolG | 0 | 0 | 0 | 473 | 119 | 0 | 0 | 482 |
| | | | | | 119 | 0 | 0 | 482 | 263 | 0 | 0 | 494 |
| | | | | | 263 | 0 | 0 | 494 | 411 | 0 | 0 | 506 |
| | | | | | 411 | 0 | 0 | 506 | 568 | 0 | 0 | 519 |
| | | | | | 568 | 0 | 0 | 519 | 712 | 0 | 0 | 531 |
| | | | | | 712 | 0 | 0 | 531 | 819 | 0 | 0 | 540 |
| | | | | | 819 | 0 | 0 | 0 | 830 | 0 | 0 | 0 |
| | | | | | 830 | 0 | 0 | 324 | 847 | 0 | 0 | 0 |
| 30x20 | 1121 | 1195 | QV Solai | PolG | 0 | 0 | 0 | 506 | 119 | 0 | 0 | 517 |
| | | | | | 119 | 0 | 0 | 517 | 263 | 0 | 0 | 529 |
| | | | | | 263 | 0 | 0 | 529 | 411 | 0 | 0 | 542 |
| | | | | | 411 | 0 | 0 | 542 | 568 | 0 | 0 | 556 |
| | | | | | 568 | 0 | 0 | 556 | 712 | 0 | 0 | 569 |
| | | | | | 712 | 0 | 0 | 569 | 819 | 0 | 0 | 578 |
| | | | | | 819 | 0 | 0 | 0 | 830 | 0 | 0 | 0 |
| | | | | | 830 | 0 | 0 | 347 | 847 | 0 | 0 | 0 |
| 30x20 | 1121 | 1195 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 354 | 119 | 0 | 0 | 362 |
| | | | | | 119 | 0 | 0 | 362 | 263 | 0 | 0 | 371 |
| | | | | | 263 | 0 | 0 | 371 | 411 | 0 | 0 | 380 |
| | | | | | 411 | 0 | 0 | 380 | 568 | 0 | 0 | 389 |
| | | | | | 568 | 0 | 0 | 389 | 712 | 0 | 0 | 398 |
| | | | | | 712 | 0 | 0 | 398 | 819 | 0 | 0 | 405 |
| | | | | | 819 | 0 | 0 | 0 | 830 | 0 | 0 | 0 |
| | | | | | 830 | 0 | 0 | 243 | 847 | 0 | 0 | 0 |
| 30x20 | 1121 | 1195 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 253 | 119 | 0 | 0 | 258 |
| | | | | | 119 | 0 | 0 | 258 | 263 | 0 | 0 | 265 |
| | | | | | 263 | 0 | 0 | 265 | 411 | 0 | 0 | 271 |
| | | | | | 411 | 0 | 0 | 271 | 568 | 0 | 0 | 278 |
| | | | | | 568 | 0 | 0 | 278 | 712 | 0 | 0 | 284 |
| | | | | | 712 | 0 | 0 | 284 | 819 | 0 | 0 | 289 |
| | | | | | 819 | 0 | 0 | 0 | 830 | 0 | 0 | 0 |
| | | | | | 830 | 0 | 0 | 174 | 847 | 0 | 0 | 0 |
| 30x20 | 1121 | 1195 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 152 | 119 | 0 | 0 | 155 |
| | | | | | 119 | 0 | 0 | 155 | 263 | 0 | 0 | 159 |
| | | | | | 263 | 0 | 0 | 159 | 411 | 0 | 0 | 163 |
| | | | | | 411 | 0 | 0 | 163 | 568 | 0 | 0 | 167 |
| | | | | | 568 | 0 | 0 | 167 | 712 | 0 | 0 | 171 |
| | | | | | 712 | 0 | 0 | 171 | 819 | 0 | 0 | 173 |
| | | | | | 819 | 0 | 0 | 0 | 830 | 0 | 0 | 0 |
| | | | | | 830 | 0 | 0 | 104 | 847 | 0 | 0 | 0 |
| 30x20 | 1195 | 1274 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 649 | 0 | 0 | 150 |
| 30x20 | 1195 | 1274 | QP Solai | PolG | 14 | 0 | 0 | 509 | 112 | 0 | 0 | 517 |
| | | | | | 112 | 0 | 0 | 517 | 511 | 0 | 0 | 550 |
| | | | | | 511 | 0 | 0 | 550 | 629 | 0 | 0 | 560 |
| 30x20 | 1195 | 1274 | QFissi Solai | PolG | 0 | 0 | 0 | 542 | 111 | 0 | 0 | 551 |
| | | | | | 111 | 0 | 0 | 551 | 510 | 0 | 0 | 584 |
| | | | | | 510 | 0 | 0 | 584 | 649 | 0 | 0 | 594 |
| 30x20 | 1195 | 1274 | QV Solai | PolG | 0 | 0 | 0 | 581 | 111 | 0 | 0 | 590 |
| | | | | | 111 | 0 | 0 | 590 | 510 | 0 | 0 | 625 |
| | | | | | 510 | 0 | 0 | 625 | 649 | 0 | 0 | 637 |
| 30x20 | 119 | 127 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 406 | 111 | 0 | 0 | 413 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | | | | | | | | | | |
| | | | | | 111 | 0 | 0 | 413 | 510 | 0 | 0 | 438 |
| | | | | | 510 | 0 | 0 | 438 | 649 | 0 | 0 | 446 |
| 30x20 | 1195 | 1274 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 290 | 111 | 0 | 0 | 295 |
| | | | | | 111 | 0 | 0 | 295 | 510 | 0 | 0 | 313 |
| | | | | | 510 | 0 | 0 | 313 | 649 | 0 | 0 | 318 |
| 30x20 | 1195 | 1274 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 174 | 111 | 0 | 0 | 177 |
| | | | | | 111 | 0 | 0 | 177 | 510 | 0 | 0 | 188 |
| | | | | | 510 | 0 | 0 | 188 | 649 | 0 | 0 | 191 |
| **Trave 125** | | | | | | | | | | | | |
| 30x20 | 1232 | 1203 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1232 | 1203 | QP Solai | PolG | 0 | 0 | 0 | 784 | 99 | 0 | 0 | 787 |
| | | | | | 99 | 0 | 0 | 724 | 102 | 0 | 0 | 688 |
| | | | | | 102 | 0 | 0 | 625 | 104 | 0 | 0 | 625 |
| 30x20 | 1232 | 1203 | QFissi Solai | PolG | 0 | 0 | 0 | 826 | 114 | 0 | 0 | 830 |
| | | | | | 114 | 0 | 0 | 763 | 118 | 0 | 0 | 727 |
| | | | | | 118 | 0 | 0 | 693 | 120 | 0 | 0 | 659 |
| 30x20 | 1232 | 1203 | QV Solai | PolG | 0 | 0 | 0 | 885 | 114 | 0 | 0 | 889 |
| | | | | | 114 | 0 | 0 | 817 | 118 | 0 | 0 | 779 |
| | | | | | 118 | 0 | 0 | 743 | 120 | 0 | 0 | 707 |
| 30x20 | 1232 | 1203 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 620 | 114 | 0 | 0 | 623 |
| | | | | | 114 | 0 | 0 | 572 | 118 | 0 | 0 | 545 |
| | | | | | 118 | 0 | 0 | 520 | 120 | 0 | 0 | 495 |
| 30x20 | 1232 | 1203 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 443 | 114 | 0 | 0 | 445 |
| | | | | | 114 | 0 | 0 | 409 | 118 | 0 | 0 | 389 |
| | | | | | 118 | 0 | 0 | 371 | 120 | 0 | 0 | 353 |
| 30x20 | 1232 | 1203 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 266 | 114 | 0 | 0 | 267 |
| | | | | | 114 | 0 | 0 | 245 | 118 | 0 | 0 | 234 |
| | | | | | 118 | 0 | 0 | 223 | 120 | 0 | 0 | 212 |
| 30x20 | 1247 | 1232 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 330 | 0 | 0 | 150 |
| 30x20 | 1247 | 1232 | QP Solai | PolG | 0 | 0 | 0 | 772 | 116 | 0 | 0 | 776 |
| | | | | | 116 | 0 | 0 | 776 | 247 | 0 | 0 | 781 |
| | | | | | 247 | 0 | 0 | 781 | 256 | 0 | 0 | 781 |
| | | | | | 256 | 0 | 0 | 781 | 330 | 0 | 0 | 784 |
| 30x20 | 1247 | 1232 | QFissi Solai | PolG | 0 | 0 | 0 | 814 | 115 | 0 | 0 | 818 |
| | | | | | 115 | 0 | 0 | 818 | 248 | 0 | 0 | 823 |
| | | | | | 248 | 0 | 0 | 823 | 254 | 0 | 0 | 823 |
| | | | | | 254 | 0 | 0 | 823 | 330 | 0 | 0 | 826 |
| 30x20 | 1247 | 1232 | QV Solai | PolG | 0 | 0 | 0 | 872 | 115 | 0 | 0 | 877 |
| | | | | | 115 | 0 | 0 | 877 | 248 | 0 | 0 | 882 |
| | | | | | 248 | 0 | 0 | 882 | 254 | 0 | 0 | 882 |
| | | | | | 254 | 0 | 0 | 882 | 330 | 0 | 0 | 885 |
| 30x20 | 1247 | 1232 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 611 | 115 | 0 | 0 | 614 |
| | | | | | 115 | 0 | 0 | 614 | 254 | 0 | 0 | 618 |
| | | | | | 254 | 0 | 0 | 618 | 330 | 0 | 0 | 620 |
| 30x20 | 1247 | 1232 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 436 | 115 | 0 | 0 | 438 |
| | | | | | 115 | 0 | 0 | 438 | 254 | 0 | 0 | 441 |
| | | | | | 254 | 0 | 0 | 441 | 330 | 0 | 0 | 443 |
| 30x20 | 124 | 123 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 262 | 115 | 0 | 0 | 263 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 2 | | | | | | | | | | |
| | | | | | 115 | 0 | 0 | 263 | 254 | 0 | 0 | 265 |
| | | | | | 254 | 0 | 0 | 265 | 330 | 0 | 0 | 266 |
| 30x20 | 1260 | 1247 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1260 | 1247 | QP Solai | PolG | 15 | 0 | 0 | 178 | 17 | 0 | 0 | 178 |
| | | | | | 17 | 0 | 0 | 368 | 20 | 0 | 0 | 768 |
| | | | | | 20 | 0 | 0 | 768 | 120 | 0 | 0 | 772 |
| 30x20 | 1260 | 1247 | QFissi Solai | PolG | 0 | 0 | 0 | 394 | 5 | 0 | 0 | 810 |
| | | | | | 5 | 0 | 0 | 810 | 120 | 0 | 0 | 814 |
| 30x20 | 1260 | 1247 | QV Solai | PolG | 0 | 0 | 0 | 422 | 5 | 0 | 0 | 868 |
| | | | | | 5 | 0 | 0 | 868 | 120 | 0 | 0 | 873 |
| 30x20 | 1260 | 1247 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 296 | 5 | 0 | 0 | 608 |
| | | | | | 5 | 0 | 0 | 608 | 120 | 0 | 0 | 611 |
| 30x20 | 1260 | 1247 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 211 | 5 | 0 | 0 | 434 |
| | | | | | 5 | 0 | 0 | 434 | 120 | 0 | 0 | 436 |
| 30x20 | 1260 | 1247 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 127 | 5 | 0 | 0 | 260 |
| | | | | | 5 | 0 | 0 | 260 | 120 | 0 | 0 | 262 |
| 30x20 | 1276 | 1260 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 515 | 0 | 0 | 150 |
| 30x20 | 1276 | 1260 | QP Solai | PolG | 14 | 0 | 0 | 191 | 499 | 0 | 0 | 246 |
| 30x20 | 1276 | 1260 | QFissi Solai | PolG | 0 | 0 | 0 | 199 | 515 | 0 | 0 | 258 |
| 30x20 | 1276 | 1260 | QV Solai | PolG | 0 | 0 | 0 | 213 | 515 | 0 | 0 | 277 |
| 30x20 | 1276 | 1260 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 149 | 515 | 0 | 0 | 194 |
| 30x20 | 1276 | 1260 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 107 | 515 | 0 | 0 | 138 |
| 30x20 | 1276 | 1260 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 64 | 515 | 0 | 0 | 83 |
| **Trave 126** | | | | | | | | | | | | |
| 30x20 | 1050 | 1076 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 182 | 0 | 0 | 150 |
| 30x20 | 1050 | 1076 | QP Solai | PolG | 15 | 0 | 0 | 1618 | 21 | 0 | 0 | 1732 |
| | | | | | 21 | 0 | 0 | 1732 | 53 | 0 | 0 | 2379 |
| | | | | | 53 | 0 | 0 | 2379 | 72 | 0 | 0 | 2757 |
| | | | | | 72 | 0 | 0 | 2757 | 85 | 0 | 0 | 3021 |
| | | | | | 85 | 0 | 0 | 3021 | 167 | 0 | 0 | 1479 |
| 30x20 | 1050 | 1076 | QFissi Solai | PolG | 0 | 0 | 0 | 643 | 8 | 0 | 0 | 706 |
| | | | | | 8 | 0 | 0 | 706 | 41 | 0 | 0 | 948 |
| | | | | | 41 | 0 | 0 | 948 | 60 | 0 | 0 | 1090 |
| | | | | | 60 | 0 | 0 | 1090 | 75 | 0 | 0 | 1206 |
| | | | | | 75 | 0 | 0 | 1206 | 96 | 0 | 0 | 1205 |
| | | | | | 96 | 0 | 0 | 1205 | 182 | 0 | 0 | 593 |
| 30x20 | 1050 | 1076 | QV Solai | PolG | 0 | 0 | 0 | 643 | 8 | 0 | 0 | 706 |
| | | | | | 8 | 0 | 0 | 706 | 41 | 0 | 0 | 948 |
| | | | | | 41 | 0 | 0 | 948 | 60 | 0 | 0 | 1090 |
| | | | | | 60 | 0 | 0 | 1090 | 75 | 0 | 0 | 1206 |
| | | | | | 75 | 0 | 0 | 1206 | 96 | 0 | 0 | 1205 |
| | | | | | 96 | 0 | 0 | 1205 | 182 | 0 | 0 | 593 |
| 30x20 | 1050 | 1076 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 450 | 8 | 0 | 0 | 494 |
| | | | | | 8 | 0 | 0 | 494 | 41 | 0 | 0 | 664 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 41 | 0 | 0 | 664 | 60 | 0 | 0 | 763 |
| | | | | | 60 | 0 | 0 | 763 | 75 | 0 | 0 | 844 |
| | | | | | 75 | 0 | 0 | 844 | 96 | 0 | 0 | 844 |
| | | | | | 96 | 0 | 0 | 844 | 182 | 0 | 0 | 415 |
| 30x20 | 1050 | 1076 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 450 | 8 | 0 | 0 | 494 |
| | | | | | 8 | 0 | 0 | 494 | 41 | 0 | 0 | 664 |
| | | | | | 41 | 0 | 0 | 664 | 60 | 0 | 0 | 763 |
| | | | | | 60 | 0 | 0 | 763 | 75 | 0 | 0 | 844 |
| | | | | | 75 | 0 | 0 | 844 | 96 | 0 | 0 | 844 |
| | | | | | 96 | 0 | 0 | 844 | 182 | 0 | 0 | 415 |
| 30x20 | 1050 | 1076 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 386 | 8 | 0 | 0 | 424 |
| | | | | | 8 | 0 | 0 | 424 | 41 | 0 | 0 | 569 |
| | | | | | 41 | 0 | 0 | 569 | 60 | 0 | 0 | 654 |
| | | | | | 60 | 0 | 0 | 654 | 75 | 0 | 0 | 723 |
| | | | | | 75 | 0 | 0 | 723 | 96 | 0 | 0 | 723 |
| | | | | | 96 | 0 | 0 | 723 | 182 | 0 | 0 | 356 |
| **Trave 127** | | | | | | | | | | | | |
| 30x20 | 1085 | 1093 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 90 | 0 | 0 | 150 |
| 30x20 | 1085 | 1093 | QP Solai | PolG | 15 | 0 | 0 | 1749 | 90 | 0 | 0 | 1748 |
| 30x20 | 1085 | 1093 | QFissi Solai | PolG | 0 | 0 | 0 | 692 | 90 | 0 | 0 | 692 |
| 30x20 | 1085 | 1093 | QV Solai | PolG | 0 | 0 | 0 | 692 | 90 | 0 | 0 | 692 |
| 30x20 | 1085 | 1093 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 485 | 90 | 0 | 0 | 484 |
| 30x20 | 1085 | 1093 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 485 | 90 | 0 | 0 | 484 |
| 30x20 | 1085 | 1093 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 415 | 90 | 0 | 0 | 415 |
| 30x20 | 1089 | 1085 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 612 | 0 | 0 | 150 |
| 30x20 | 1089 | 1085 | QP Solai | PolG | 14 | 0 | 0 | 664 | 205 | 0 | 0 | 677 |
| | | | | | 205 | 0 | 0 | 677 | 379 | 0 | 0 | 688 |
| | | | | | 379 | 0 | 0 | 688 | 499 | 0 | 0 | 696 |
| | | | | | 499 | 0 | 0 | 696 | 575 | 0 | 0 | 701 |
| | | | | | 575 | 0 | 0 | 701 | 584 | 0 | 0 | 556 |
| | | | | | 584 | 0 | 0 | 198 | 597 | 0 | 0 | 11 |
| 30x20 | 1089 | 1085 | QFissi Solai | PolG | 0 | 0 | 0 | 508 | 205 | 0 | 0 | 515 |
| | | | | | 205 | 0 | 0 | 515 | 379 | 0 | 0 | 522 |
| | | | | | 379 | 0 | 0 | 522 | 499 | 0 | 0 | 526 |
| | | | | | 499 | 0 | 0 | 526 | 589 | 0 | 0 | 530 |
| | | | | | 589 | 0 | 0 | 530 | 599 | 0 | 0 | 473 |
| | | | | | 599 | 0 | 0 | 81 | 602 | 0 | 0 | 65 |
| | | | | | 602 | 0 | 0 | 372 | 612 | 0 | 0 | 178 |
| 30x20 | 1089 | 1085 | QV Solai | PolG | 0 | 0 | 0 | 535 | 205 | 0 | 0 | 543 |
| | | | | | 205 | 0 | 0 | 543 | 379 | 0 | 0 | 550 |
| | | | | | 379 | 0 | 0 | 550 | 499 | 0 | 0 | 554 |
| | | | | | 499 | 0 | 0 | 554 | 589 | 0 | 0 | 558 |
| | | | | | 589 | 0 | 0 | 558 | 599 | 0 | 0 | 501 |
| | | | | | 599 | 0 | 0 | 81 | 602 | 0 | 0 | 65 |
| | | | | | 602 | 0 | 0 | 394 | 612 | 0 | 0 | 190 |
| 30x20 | 1089 | 1085 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 374 | 205 | 0 | 0 | 380 |
| | | | | | 205 | 0 | 0 | 380 | 379 | 0 | 0 | 385 |
| | | | | | 379 | 0 | 0 | 385 | 499 | 0 | 0 | 388 |
| | | | | | 499 | 0 | 0 | 388 | 589 | 0 | 0 | 390 |
| | | | | | 589 | 0 | 0 | 390 | 599 | 0 | 0 | 351 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 599 | 0 | 0 | 57 | 602 | 0 | 0 | 45 |
| | | | | | 602 | 0 | 0 | 276 | 612 | 0 | 0 | 133 |
| 30x20 | 1089 | 1085 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 293 | 205 | 0 | 0 | 298 |
| | | | | | 205 | 0 | 0 | 298 | 379 | 0 | 0 | 302 |
| | | | | | 379 | 0 | 0 | 302 | 499 | 0 | 0 | 304 |
| | | | | | 499 | 0 | 0 | 304 | 589 | 0 | 0 | 306 |
| | | | | | 589 | 0 | 0 | 306 | 599 | 0 | 0 | 267 |
| | | | | | 599 | 0 | 0 | 57 | 602 | 0 | 0 | 45 |
| | | | | | 602 | 0 | 0 | 210 | 612 | 0 | 0 | 96 |
| 30x20 | 1089 | 1085 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 199 | 205 | 0 | 0 | 202 |
| | | | | | 205 | 0 | 0 | 202 | 379 | 0 | 0 | 205 |
| | | | | | 379 | 0 | 0 | 205 | 589 | 0 | 0 | 209 |
| | | | | | 589 | 0 | 0 | 209 | 599 | 0 | 0 | 175 |
| | | | | | 599 | 0 | 0 | 49 | 602 | 0 | 0 | 39 |
| | | | | | 602 | 0 | 0 | 138 | 612 | 0 | 0 | 58 |
| 30x20 | 1091 | 1089 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 183 | 0 | 0 | 150 |
| 30x20 | 1091 | 1089 | QP Solai | PolG | 14 | 0 | 0 | 1722 | 16 | 0 | 0 | 1723 |
| | | | | | 16 | 0 | 0 | 1723 | 36 | 0 | 0 | 2468 |
| | | | | | 36 | 0 | 0 | 2468 | 63 | 0 | 0 | 3542 |
| | | | | | 63 | 0 | 0 | 3542 | 88 | 0 | 0 | 3553 |
| | | | | | 88 | 0 | 0 | 3553 | 126 | 0 | 0 | 3569 |
| | | | | | 126 | 0 | 0 | 3569 | 136 | 0 | 0 | 3137 |
| | | | | | 136 | 0 | 0 | 3118 | 143 | 0 | 0 | 2444 |
| | | | | | 143 | 0 | 0 | 2342 | 148 | 0 | 0 | 1915 |
| | | | | | 148 | 0 | 0 | 1915 | 166 | 0 | 0 | 73 |
| | | | | | 166 | 0 | 0 | 1 | 167 | 0 | 0 | 1 |
| 30x20 | 1091 | 1089 | QFissi Solai | PolG | 0 | 0 | 0 | 680 | 21 | 0 | 0 | 980 |
| | | | | | 21 | 0 | 0 | 980 | 50 | 0 | 0 | 1398 |
| | | | | | 50 | 0 | 0 | 1398 | 87 | 0 | 0 | 1404 |
| | | | | | 87 | 0 | 0 | 1404 | 140 | 0 | 0 | 1413 |
| | | | | | 140 | 0 | 0 | 1413 | 150 | 0 | 0 | 1247 |
| | | | | | 150 | 0 | 0 | 1222 | 158 | 0 | 0 | 955 |
| | | | | | 158 | 0 | 0 | 916 | 163 | 0 | 0 | 757 |
| | | | | | 163 | 0 | 0 | 757 | 181 | 0 | 0 | 80 |
| | | | | | 181 | 0 | 0 | 80 | 183 | 0 | 0 | 0 |
| 30x20 | 1091 | 1089 | QV Solai | PolG | 0 | 0 | 0 | 680 | 21 | 0 | 0 | 980 |
| | | | | | 21 | 0 | 0 | 980 | 50 | 0 | 0 | 1398 |
| | | | | | 50 | 0 | 0 | 1398 | 87 | 0 | 0 | 1404 |
| | | | | | 87 | 0 | 0 | 1404 | 140 | 0 | 0 | 1413 |
| | | | | | 140 | 0 | 0 | 1413 | 150 | 0 | 0 | 1247 |
| | | | | | 150 | 0 | 0 | 1222 | 158 | 0 | 0 | 955 |
| | | | | | 158 | 0 | 0 | 916 | 163 | 0 | 0 | 757 |
| | | | | | 163 | 0 | 0 | 757 | 181 | 0 | 0 | 80 |
| | | | | | 181 | 0 | 0 | 80 | 183 | 0 | 0 | 0 |
| 30x20 | 1091 | 1089 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 476 | 21 | 0 | 0 | 686 |
| | | | | | 21 | 0 | 0 | 686 | 50 | 0 | 0 | 979 |
| | | | | | 50 | 0 | 0 | 979 | 87 | 0 | 0 | 983 |
| | | | | | 87 | 0 | 0 | 983 | 140 | 0 | 0 | 989 |
| | | | | | 140 | 0 | 0 | 989 | 150 | 0 | 0 | 873 |
| | | | | | 150 | 0 | 0 | 856 | 158 | 0 | 0 | 668 |
| | | | | | 158 | 0 | 0 | 642 | 163 | 0 | 0 | 530 |
| | | | | | 163 | 0 | 0 | 530 | 181 | 0 | 0 | 56 |
| | | | | | 181 | 0 | 0 | 56 | 183 | 0 | 0 | 0 |
| 30x20 | 1091 | 1089 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 476 | 21 | 0 | 0 | 686 |
| | | | | | 21 | 0 | 0 | 686 | 50 | 0 | 0 | 979 |
| | | | | | 50 | 0 | 0 | 979 | 87 | 0 | 0 | 983 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 87 | 0 | 0 | 983 | 140 | 0 | 0 | 989 |
| | | | | | 140 | 0 | 0 | 989 | 150 | 0 | 0 | 873 |
| | | | | | 150 | 0 | 0 | 856 | 158 | 0 | 0 | 668 |
| | | | | | 158 | 0 | 0 | 642 | 163 | 0 | 0 | 530 |
| | | | | | 163 | 0 | 0 | 530 | 181 | 0 | 0 | 56 |
| | | | | | 181 | 0 | 0 | 56 | 183 | 0 | 0 | 0 |
| 30x20 | 1091 | 1089 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 408 | 21 | 0 | 0 | 588 |
| | | | | | 21 | 0 | 0 | 588 | 50 | 0 | 0 | 839 |
| | | | | | 50 | 0 | 0 | 839 | 87 | 0 | 0 | 843 |
| | | | | | 87 | 0 | 0 | 843 | 140 | 0 | 0 | 848 |
| | | | | | 140 | 0 | 0 | 848 | 150 | 0 | 0 | 748 |
| | | | | | 150 | 0 | 0 | 733 | 158 | 0 | 0 | 573 |
| | | | | | 158 | 0 | 0 | 550 | 163 | 0 | 0 | 454 |
| | | | | | 163 | 0 | 0 | 454 | 181 | 0 | 0 | 48 |
| | | | | | 181 | 0 | 0 | 48 | 183 | 0 | 0 | 0 |
| 30x20 | 1093 | 1094 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 90 | 0 | 0 | 150 |
| 30x20 | 1093 | 1094 | QP Solai | PolG | 0 | 0 | 0 | 1748 | 79 | 0 | 0 | 1747 |
| | | | | | 79 | 0 | 0 | 1747 | 90 | 0 | 0 | 1372 |
| 30x20 | 1093 | 1094 | QFissi Solai | PolG | 0 | 0 | 0 | 692 | 87 | 0 | 0 | 691 |
| | | | | | 87 | 0 | 0 | 691 | 90 | 0 | 0 | 650 |
| 30x20 | 1093 | 1094 | QV Solai | PolG | 0 | 0 | 0 | 692 | 87 | 0 | 0 | 691 |
| | | | | | 87 | 0 | 0 | 691 | 90 | 0 | 0 | 650 |
| 30x20 | 1093 | 1094 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 484 | 87 | 0 | 0 | 484 |
| | | | | | 87 | 0 | 0 | 484 | 90 | 0 | 0 | 455 |
| 30x20 | 1093 | 1094 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 484 | 87 | 0 | 0 | 484 |
| | | | | | 87 | 0 | 0 | 484 | 90 | 0 | 0 | 455 |
| 30x20 | 1093 | 1094 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 415 | 87 | 0 | 0 | 415 |
| | | | | | 87 | 0 | 0 | 415 | 90 | 0 | 0 | 390 |
| 30x20 | 1094 | 1095 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 50 | 0 | 0 | 150 |
| 30x20 | 1094 | 1095 | QP Solai | PolG | 0 | 0 | 0 | 1372 | 40 | 0 | 0 | 10 |
| 30x20 | 1094 | 1095 | QFissi Solai | PolG | 0 | 0 | 0 | 650 | 50 | 0 | 0 | 4 |
| 30x20 | 1094 | 1095 | QV Solai | PolG | 0 | 0 | 0 | 650 | 50 | 0 | 0 | 4 |
| 30x20 | 1094 | 1095 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 455 | 50 | 0 | 0 | 3 |
| 30x20 | 1094 | 1095 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 455 | 50 | 0 | 0 | 3 |
| 30x20 | 1094 | 1095 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 390 | 50 | 0 | 0 | 3 |
| 30x20 | 1095 | 1097 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 1079 | 0 | 0 | 150 |
| 30x20 | 1097 | 1099 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 535 | 0 | 0 | 150 |
| 30x20 | 1097 | 1099 | QP Solai | PolG | 15 | 0 | 0 | 633 | 82 | 0 | 0 | 625 |
| | | | | | 82 | 0 | 0 | 625 | 469 | 0 | 0 | 580 |
| | | | | | 469 | 0 | 0 | 580 | 519 | 0 | 0 | 9 |
| 30x20 | 1097 | 1099 | QFissi Solai | PolG | 0 | 0 | 0 | 669 | 81 | 0 | 0 | 659 |
| | | | | | 81 | 0 | 0 | 659 | 482 | 0 | 0 | 612 |
| | | | | | 482 | 0 | 0 | 612 | 535 | 0 | 0 | 9 |
| 30x20 | 1097 | 1099 | QV Solai | PolG | 0 | 0 | 0 | 716 | 81 | 0 | 0 | 706 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 81 | 0 | 0 | 706 | 482 | 0 | 0 | 656 |
| | | | | | 482 | 0 | 0 | 656 | 535 | 0 | 0 | 10 |
| 30x20 | 1097 | 1099 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 502 | 81 | 0 | 0 | 494 |
| | | | | | 81 | 0 | 0 | 494 | 482 | 0 | 0 | 459 |
| | | | | | 482 | 0 | 0 | 459 | 535 | 0 | 0 | 7 |
| 30x20 | 1097 | 1099 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 358 | 81 | 0 | 0 | 353 |
| | | | | | 81 | 0 | 0 | 353 | 482 | 0 | 0 | 328 |
| | | | | | 482 | 0 | 0 | 328 | 535 | 0 | 0 | 5 |
| 30x20 | 1097 | 1099 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 215 | 81 | 0 | 0 | 212 |
| | | | | | 81 | 0 | 0 | 212 | 482 | 0 | 0 | 197 |
| | | | | | 482 | 0 | 0 | 197 | 535 | 0 | 0 | 3 |
| **Trave 128** | | | | | | | | | | | | |
| 30x20 | 1099 | 1139 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 539 | 0 | 0 | 150 |
| 30x20 | 1099 | 1139 | QP Solai | PolG | 16 | 0 | 0 | 141 | 526 | 0 | 0 | 195 |
| 30x20 | 1099 | 1139 | QFissi Solai | PolG | 0 | 0 | 0 | 149 | 539 | 0 | 0 | 206 |
| 30x20 | 1099 | 1139 | QV Solai | PolG | 0 | 0 | 0 | 160 | 539 | 0 | 0 | 221 |
| 30x20 | 1099 | 1139 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 112 | 539 | 0 | 0 | 155 |
| 30x20 | 1099 | 1139 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 80 | 539 | 0 | 0 | 111 |
| 30x20 | 1099 | 1139 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 48 | 539 | 0 | 0 | 66 |
| 30x20 | 1139 | 1196 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 587 | 0 | 0 | 150 |
| 30x20 | 1139 | 1196 | QP Solai | PolG | 18 | 0 | 0 | 0 | 40 | 0 | 0 | 108 |
| | | | | | 40 | 0 | 0 | 2 | 51 | 0 | 0 | 4 |
| | | | | | 51 | 0 | 0 | 161 | 574 | 0 | 0 | 214 |
| 30x20 | 1139 | 1196 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 113 |
| | | | | | 24 | 0 | 0 | 3 | 35 | 0 | 0 | 4 |
| | | | | | 35 | 0 | 0 | 169 | 587 | 0 | 0 | 226 |
| 30x20 | 1139 | 1196 | QV Solai | PolG | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 121 |
| | | | | | 24 | 0 | 0 | 3 | 35 | 0 | 0 | 4 |
| | | | | | 35 | 0 | 0 | 182 | 587 | 0 | 0 | 242 |
| 30x20 | 1139 | 1196 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 85 |
| | | | | | 24 | 0 | 0 | 2 | 35 | 0 | 0 | 3 |
| | | | | | 35 | 0 | 0 | 127 | 587 | 0 | 0 | 169 |
| 30x20 | 1139 | 1196 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 61 |
| | | | | | 24 | 0 | 0 | 1 | 35 | 0 | 0 | 2 |
| | | | | | 35 | 0 | 0 | 91 | 587 | 0 | 0 | 121 |
| 30x20 | 1139 | 1196 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 36 |
| | | | | | 24 | 0 | 0 | 1 | 35 | 0 | 0 | 1 |
| | | | | | 35 | 0 | 0 | 54 | 587 | 0 | 0 | 73 |
| 30x20 | 1196 | 1236 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 197 | 0 | 0 | 150 |
| 30x20 | 1196 | 1236 | QP Solai | PolG | 17 | 0 | 0 | 0 | 22 | 0 | 0 | 612 |
| | | | | | 22 | 0 | 0 | 612 | 194 | 0 | 0 | 612 |
| 30x20 | 1196 | 1236 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 646 |
| | | | | | 6 | 0 | 0 | 646 | 197 | 0 | 0 | 646 |
| 30x20 | 1196 | 1236 | QV Solai | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 692 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 6 | 0 | 0 | 692 | 197 | 0 | 0 | 692 |
| 30x20 | 1196 | 1236 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 485 |
| | | | | | 6 | 0 | 0 | 485 | 197 | 0 | 0 | 484 |
| 30x20 | 1196 | 1236 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 346 |
| | | | | | 6 | 0 | 0 | 346 | 197 | 0 | 0 | 346 |
| 30x20 | 1196 | 1236 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 208 |
| | | | | | 6 | 0 | 0 | 208 | 197 | 0 | 0 | 208 |
| **Trave 129** | | | | | | | | | | | | |
| 30x20 | 1012 | 1034 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 626 | 0 | 0 | 150 |
| 30x20 | 1012 | 1034 | QP Solai | PolG | 15 | 0 | 0 | 25 | 34 | 0 | 0 | 1129 |
| | | | | | 34 | 0 | 0 | 1129 | 228 | 0 | 0 | 1131 |
| | | | | | 228 | 0 | 0 | 1131 | 611 | 0 | 0 | 1134 |
| 30x20 | 1012 | 1034 | QFissi Solai | PolG | 0 | 0 | 0 | 10 | 20 | 0 | 0 | 460 |
| | | | | | 20 | 0 | 0 | 460 | 230 | 0 | 0 | 460 |
| | | | | | 230 | 0 | 0 | 460 | 626 | 0 | 0 | 462 |
| 30x20 | 1012 | 1034 | QV Solai | PolG | 0 | 0 | 0 | 10 | 20 | 0 | 0 | 460 |
| | | | | | 20 | 0 | 0 | 460 | 230 | 0 | 0 | 460 |
| | | | | | 230 | 0 | 0 | 460 | 626 | 0 | 0 | 462 |
| 30x20 | 1012 | 1034 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 7 | 20 | 0 | 0 | 322 |
| | | | | | 20 | 0 | 0 | 322 | 230 | 0 | 0 | 322 |
| | | | | | 230 | 0 | 0 | 322 | 626 | 0 | 0 | 323 |
| 30x20 | 1012 | 1034 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 7 | 20 | 0 | 0 | 322 |
| | | | | | 20 | 0 | 0 | 322 | 230 | 0 | 0 | 322 |
| | | | | | 230 | 0 | 0 | 322 | 626 | 0 | 0 | 323 |
| 30x20 | 1012 | 1034 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 6 | 20 | 0 | 0 | 276 |
| | | | | | 20 | 0 | 0 | 276 | 230 | 0 | 0 | 276 |
| | | | | | 230 | 0 | 0 | 276 | 626 | 0 | 0 | 277 |
| 30x20 | 1034 | 1085 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 447 | 0 | 0 | 150 |
| 30x20 | 1034 | 1085 | QP Solai | PolG | 15 | 0 | 0 | 17 | 29 | 0 | 0 | 1201 |
| | | | | | 29 | 0 | 0 | 1201 | 37 | 0 | 0 | 1882 |
| | | | | | 37 | 0 | 0 | 1882 | 85 | 0 | 0 | 1879 |
| | | | | | 85 | 0 | 0 | 1879 | 410 | 0 | 0 | 1863 |
| | | | | | 410 | 0 | 0 | 1863 | 431 | 0 | 0 | 1862 |
| 30x20 | 1034 | 1085 | QFissi Solai | PolG | 0 | 0 | 0 | 7 | 15 | 0 | 0 | 469 |
| | | | | | 15 | 0 | 0 | 469 | 24 | 0 | 0 | 742 |
| | | | | | 24 | 0 | 0 | 742 | 87 | 0 | 0 | 741 |
| | | | | | 87 | 0 | 0 | 741 | 412 | 0 | 0 | 735 |
| | | | | | 412 | 0 | 0 | 735 | 447 | 0 | 0 | 734 |
| 30x20 | 1034 | 1085 | QV Solai | PolG | 0 | 0 | 0 | 7 | 15 | 0 | 0 | 469 |
| | | | | | 15 | 0 | 0 | 469 | 24 | 0 | 0 | 742 |
| | | | | | 24 | 0 | 0 | 742 | 87 | 0 | 0 | 741 |
| | | | | | 87 | 0 | 0 | 741 | 412 | 0 | 0 | 735 |
| | | | | | 412 | 0 | 0 | 735 | 447 | 0 | 0 | 734 |
| 30x20 | 1034 | 1085 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 5 | 15 | 0 | 0 | 328 |
| | | | | | 15 | 0 | 0 | 328 | 24 | 0 | 0 | 520 |
| | | | | | 24 | 0 | 0 | 520 | 447 | 0 | 0 | 514 |
| 30x20 | 1034 | 1085 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 5 | 15 | 0 | 0 | 328 |
| | | | | | 15 | 0 | 0 | 328 | 24 | 0 | 0 | 520 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 24 | 0 | 0 | 520 | 447 | 0 | 0 | 514 |
| 30x20 | 1034 | 1085 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 4 | 15 | 0 | 0 | 281 |
| | | | | | 15 | 0 | 0 | 281 | 24 | 0 | 0 | 445 |
| | | | | | 24 | 0 | 0 | 445 | 447 | 0 | 0 | 440 |
| 30x20 | 1085 | 1102 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 155 | 0 | 0 | 150 |
| 30x20 | 1085 | 1102 | QP Solai | PolG | 15 | 0 | 0 | 71 | 19 | 0 | 0 | 289 |
| | | | | | 19 | 0 | 0 | 289 | 26 | 0 | 0 | 361 |
| | | | | | 26 | 0 | 0 | 361 | 28 | 0 | 0 | 392 |
| | | | | | 28 | 0 | 0 | 392 | 155 | 0 | 0 | 378 |
| 30x20 | 1085 | 1102 | QFissi Solai | PolG | 0 | 0 | 0 | 26 | 4 | 0 | 0 | 215 |
| | | | | | 4 | 0 | 0 | 215 | 6 | 0 | 0 | 225 |
| | | | | | 6 | 0 | 0 | 225 | 11 | 0 | 0 | 252 |
| | | | | | 11 | 0 | 0 | 252 | 14 | 0 | 0 | 267 |
| | | | | | 14 | 0 | 0 | 267 | 155 | 0 | 0 | 265 |
| 30x20 | 1085 | 1102 | QV Solai | PolG | 0 | 0 | 0 | 26 | 4 | 0 | 0 | 227 |
| | | | | | 4 | 0 | 0 | 227 | 6 | 0 | 0 | 237 |
| | | | | | 6 | 0 | 0 | 237 | 11 | 0 | 0 | 264 |
| | | | | | 11 | 0 | 0 | 264 | 14 | 0 | 0 | 279 |
| | | | | | 14 | 0 | 0 | 279 | 155 | 0 | 0 | 278 |
| 30x20 | 1085 | 1102 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 18 | 4 | 0 | 0 | 159 |
| | | | | | 4 | 0 | 0 | 159 | 6 | 0 | 0 | 166 |
| | | | | | 6 | 0 | 0 | 166 | 11 | 0 | 0 | 185 |
| | | | | | 11 | 0 | 0 | 185 | 14 | 0 | 0 | 195 |
| | | | | | 14 | 0 | 0 | 195 | 155 | 0 | 0 | 195 |
| 30x20 | 1085 | 1102 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 18 | 4 | 0 | 0 | 122 |
| | | | | | 4 | 0 | 0 | 122 | 6 | 0 | 0 | 129 |
| | | | | | 6 | 0 | 0 | 129 | 11 | 0 | 0 | 148 |
| | | | | | 11 | 0 | 0 | 148 | 14 | 0 | 0 | 158 |
| | | | | | 14 | 0 | 0 | 158 | 155 | 0 | 0 | 156 |
| 30x20 | 1085 | 1102 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 16 | 4 | 0 | 0 | 81 |
| | | | | | 4 | 0 | 0 | 81 | 6 | 0 | 0 | 87 |
| | | | | | 6 | 0 | 0 | 87 | 11 | 0 | 0 | 103 |
| | | | | | 11 | 0 | 0 | 103 | 14 | 0 | 0 | 112 |
| | | | | | 14 | 0 | 0 | 112 | 155 | 0 | 0 | 109 |
| 30x20 | 1102 | 1107 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1102 | 1107 | QP Solai | PolG | 0 | 0 | 0 | 378 | 120 | 0 | 0 | 365 |
| 30x20 | 1102 | 1107 | QFissi Solai | PolG | 0 | 0 | 0 | 266 | 120 | 0 | 0 | 265 |
| 30x20 | 1102 | 1107 | QV Solai | PolG | 0 | 0 | 0 | 278 | 120 | 0 | 0 | 278 |
| 30x20 | 1102 | 1107 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 195 | 120 | 0 | 0 | 194 |
| 30x20 | 1102 | 1107 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 156 | 120 | 0 | 0 | 155 |
| 30x20 | 1102 | 1107 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 109 | 120 | 0 | 0 | 107 |
| 30x20 | 1107 | 1120 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 75 | 0 | 0 | 150 |
| 30x20 | 1107 | 1120 | QP Solai | PolG | 0 | 0 | 0 | 365 | 52 | 0 | 0 | 359 |
| | | | | | 52 | 0 | 0 | 359 | 58 | 0 | 0 | 250 |
| | | | | | 58 | 0 | 0 | 216 | 61 | 0 | 0 | 192 |
| | | | | | 61 | 0 | 0 | 178 | 75 | 0 | 0 | 175 |
| 30x20 | 110 | 112 | QFissi Solai | PolG | 0 | 0 | 0 | 265 | 67 | 0 | 0 | 264 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 0 | | | | | | | | | | |
| | | | | | 67 | 0 | 0 | 264 | 72 | 0 | 0 | 151 |
| | | | | | 72 | 0 | 0 | 117 | 75 | 0 | 0 | 89 |
| 30x20 | 1107 | 1120 | QV Solai | PolG | 0 | 0 | 0 | 278 | 67 | 0 | 0 | 278 |
| | | | | | 67 | 0 | 0 | 278 | 72 | 0 | 0 | 156 |
| | | | | | 72 | 0 | 0 | 120 | 75 | 0 | 0 | 90 |
| 30x20 | 1107 | 1120 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 195 | 67 | 0 | 0 | 194 |
| | | | | | 67 | 0 | 0 | 194 | 72 | 0 | 0 | 109 |
| | | | | | 72 | 0 | 0 | 84 | 75 | 0 | 0 | 63 |
| 30x20 | 1107 | 1120 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 155 | 67 | 0 | 0 | 154 |
| | | | | | 67 | 0 | 0 | 154 | 72 | 0 | 0 | 93 |
| | | | | | 72 | 0 | 0 | 75 | 75 | 0 | 0 | 60 |
| 30x20 | 1107 | 1120 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 107 | 67 | 0 | 0 | 106 |
| | | | | | 67 | 0 | 0 | 106 | 72 | 0 | 0 | 69 |
| | | | | | 72 | 0 | 0 | 58 | 75 | 0 | 0 | 49 |
| 30x20 | 1120 | 1127 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 195 | 0 | 0 | 150 |
| 30x20 | 1120 | 1127 | QP Solai | PolG | 0 | 0 | 0 | 175 | 15 | 0 | 0 | 173 |
| | | | | | 15 | 0 | 0 | 339 | 195 | 0 | 0 | 319 |
| 30x20 | 1120 | 1127 | QFissi Solai | PolG | 0 | 0 | 0 | 249 | 195 | 0 | 0 | 247 |
| 30x20 | 1120 | 1127 | QV Solai | PolG | 0 | 0 | 0 | 261 | 195 | 0 | 0 | 260 |
| 30x20 | 1120 | 1127 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 183 | 195 | 0 | 0 | 182 |
| 30x20 | 1120 | 1127 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 145 | 195 | 0 | 0 | 142 |
| 30x20 | 1120 | 1127 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 101 | 195 | 0 | 0 | 97 |
| 30x20 | 1127 | 1131 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 33 | 0 | 0 | 150 |
| 30x20 | 1127 | 1131 | QP Solai | PolG | 0 | 0 | 0 | 319 | 18 | 0 | 0 | 317 |
| | | | | | 18 | 0 | 0 | 177 | 33 | 0 | 0 | 177 |
| 30x20 | 1127 | 1131 | QFissi Solai | PolG | 0 | 0 | 0 | 247 | 33 | 0 | 0 | 246 |
| 30x20 | 1127 | 1131 | QV Solai | PolG | 0 | 0 | 0 | 260 | 33 | 0 | 0 | 260 |
| 30x20 | 1127 | 1131 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 182 | 33 | 0 | 0 | 182 |
| 30x20 | 1127 | 1131 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 142 | 33 | 0 | 0 | 142 |
| 30x20 | 1127 | 1131 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 96 | 33 | 0 | 0 | 96 |
| 30x20 | 1131 | 1141 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 87 | 0 | 0 | 150 |
| 30x20 | 1131 | 1141 | QP Solai | PolG | 0 | 0 | 0 | 178 | 15 | 0 | 0 | 179 |
| | | | | | 15 | 0 | 0 | 216 | 22 | 0 | 0 | 354 |
| | | | | | 22 | 0 | 0 | 354 | 87 | 0 | 0 | 350 |
| 30x20 | 1131 | 1141 | QFissi Solai | PolG | 0 | 0 | 0 | 202 | 8 | 0 | 0 | 262 |
| | | | | | 8 | 0 | 0 | 262 | 87 | 0 | 0 | 263 |
| 30x20 | 1131 | 1141 | QV Solai | PolG | 0 | 0 | 0 | 216 | 8 | 0 | 0 | 275 |
| | | | | | 8 | 0 | 0 | 275 | 87 | 0 | 0 | 276 |
| 30x20 | 1131 | 1141 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 151 | 8 | 0 | 0 | 193 |
| | | | | | 8 | 0 | 0 | 193 | 87 | 0 | 0 | 193 |
| 30x20 | 113 | 114 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 111 | 8 | 0 | 0 | 153 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | | | | | | | | | | |
| | | | | | 8 | 0 | 0 | 153 | 87 | 0 | 0 | 152 |
| 30x20 | 1131 | 1141 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 69 | 8 | 0 | 0 | 105 |
| | | | | | 8 | 0 | 0 | 105 | 87 | 0 | 0 | 104 |
| 30x20 | 1141 | 1161 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 241 | 0 | 0 | 150 |
| 30x20 | 1141 | 1161 | QP Solai | PolG | 0 | 0 | 0 | 349 | 207 | 0 | 0 | 335 |
| | | | | | 207 | 0 | 0 | 335 | 220 | 0 | 0 | 219 |
| | | | | | 220 | 0 | 0 | 219 | 224 | 0 | 0 | 185 |
| | | | | | 224 | 0 | 0 | 185 | 226 | 0 | 0 | 161 |
| 30x20 | 1141 | 1161 | QFissi Solai | PolG | 0 | 0 | 0 | 262 | 221 | 0 | 0 | 264 |
| | | | | | 221 | 0 | 0 | 264 | 234 | 0 | 0 | 145 |
| | | | | | 234 | 0 | 0 | 145 | 238 | 0 | 0 | 111 |
| | | | | | 238 | 0 | 0 | 111 | 241 | 0 | 0 | 83 |
| 30x20 | 1141 | 1161 | QV Solai | PolG | 0 | 0 | 0 | 276 | 221 | 0 | 0 | 278 |
| | | | | | 221 | 0 | 0 | 278 | 234 | 0 | 0 | 151 |
| | | | | | 234 | 0 | 0 | 151 | 238 | 0 | 0 | 115 |
| | | | | | 238 | 0 | 0 | 115 | 241 | 0 | 0 | 85 |
| 30x20 | 1141 | 1161 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 193 | 221 | 0 | 0 | 195 |
| | | | | | 221 | 0 | 0 | 195 | 234 | 0 | 0 | 106 |
| | | | | | 234 | 0 | 0 | 106 | 238 | 0 | 0 | 81 |
| | | | | | 238 | 0 | 0 | 81 | 241 | 0 | 0 | 60 |
| 30x20 | 1141 | 1161 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 152 | 221 | 0 | 0 | 151 |
| | | | | | 221 | 0 | 0 | 151 | 234 | 0 | 0 | 87 |
| | | | | | 234 | 0 | 0 | 87 | 238 | 0 | 0 | 69 |
| | | | | | 238 | 0 | 0 | 69 | 241 | 0 | 0 | 54 |
| 30x20 | 1141 | 1161 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 104 | 221 | 0 | 0 | 102 |
| | | | | | 221 | 0 | 0 | 102 | 234 | 0 | 0 | 63 |
| | | | | | 234 | 0 | 0 | 63 | 238 | 0 | 0 | 52 |
| | | | | | 238 | 0 | 0 | 52 | 241 | 0 | 0 | 43 |
| 30x20 | 1161 | 1167 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 79 | 0 | 0 | 150 |
| 30x20 | 1161 | 1167 | QP Solai | PolG | 15 | 0 | 0 | 216 | 20 | 0 | 0 | 351 |
| | | | | | 20 | 0 | 0 | 351 | 79 | 0 | 0 | 353 |
| 30x20 | 1161 | 1167 | QFissi Solai | PolG | 0 | 0 | 0 | 196 | 6 | 0 | 0 | 256 |
| | | | | | 6 | 0 | 0 | 256 | 79 | 0 | 0 | 259 |
| 30x20 | 1161 | 1167 | QV Solai | PolG | 0 | 0 | 0 | 209 | 6 | 0 | 0 | 269 |
| | | | | | 6 | 0 | 0 | 269 | 79 | 0 | 0 | 272 |
| 30x20 | 1161 | 1167 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 146 | 6 | 0 | 0 | 188 |
| | | | | | 6 | 0 | 0 | 188 | 79 | 0 | 0 | 191 |
| 30x20 | 1161 | 1167 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 108 | 6 | 0 | 0 | 149 |
| | | | | | 6 | 0 | 0 | 149 | 79 | 0 | 0 | 151 |
| 30x20 | 1161 | 1167 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 68 | 6 | 0 | 0 | 103 |
| | | | | | 6 | 0 | 0 | 103 | 79 | 0 | 0 | 104 |
| 30x20 | 1167 | 1172 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1167 | 1172 | QP Solai | PolG | 0 | 0 | 0 | 353 | 120 | 0 | 0 | 356 |
| 30x20 | 1167 | 1172 | QFissi Solai | PolG | 0 | 0 | 0 | 259 | 120 | 0 | 0 | 265 |
| 30x20 | 116 | 117 | QV Solai | PolG | 0 | 0 | 0 | 272 | 120 | 0 | 0 | 278 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 2 | | | | | | | | | | |
| 30x20 | 1167 | 1172 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 191 | 120 | 0 | 0 | 195 |
| 30x20 | 1167 | 1172 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 151 | 120 | 0 | 0 | 154 |
| 30x20 | 1167 | 1172 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 104 | 120 | 0 | 0 | 106 |
| 30x20 | 1172 | 1212 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 149 | 0 | 0 | 150 |
| 30x20 | 1172 | 1212 | QP Solai | PolG | 0 | 0 | 0 | 357 | 34 | 0 | 0 | 358 |
| | | | | | 34 | 0 | 0 | 358 | 131 | 0 | 0 | 361 |
| | | | | | 131 | 0 | 0 | 189 | 133 | 0 | 0 | 189 |
| | | | | | 133 | 0 | 0 | 189 | 149 | 0 | 0 | 190 |
| 30x20 | 1172 | 1212 | QFissi Solai | PolG | 0 | 0 | 0 | 265 | 33 | 0 | 0 | 266 |
| | | | | | 33 | 0 | 0 | 266 | 147 | 0 | 0 | 271 |
| | | | | | 147 | 0 | 0 | 256 | 149 | 0 | 0 | 220 |
| 30x20 | 1172 | 1212 | QV Solai | PolG | 0 | 0 | 0 | 279 | 33 | 0 | 0 | 280 |
| | | | | | 33 | 0 | 0 | 280 | 147 | 0 | 0 | 286 |
| | | | | | 147 | 0 | 0 | 271 | 149 | 0 | 0 | 235 |
| 30x20 | 1172 | 1212 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 195 | 147 | 0 | 0 | 200 |
| | | | | | 147 | 0 | 0 | 189 | 149 | 0 | 0 | 164 |
| 30x20 | 1172 | 1212 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 154 | 147 | 0 | 0 | 157 |
| | | | | | 147 | 0 | 0 | 147 | 149 | 0 | 0 | 122 |
| 30x20 | 1172 | 1212 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 106 | 147 | 0 | 0 | 107 |
| | | | | | 147 | 0 | 0 | 98 | 149 | 0 | 0 | 77 |
| 30x20 | 1212 | 1229 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 94 | 0 | 0 | 150 |
| 30x20 | 1212 | 1229 | QP Solai | PolG | 0 | 0 | 0 | 190 | 14 | 0 | 0 | 191 |
| | | | | | 14 | 0 | 0 | 376 | 66 | 0 | 0 | 377 |
| | | | | | 66 | 0 | 0 | 377 | 75 | 0 | 0 | 263 |
| | | | | | 75 | 0 | 0 | 263 | 78 | 0 | 0 | 229 |
| | | | | | 78 | 0 | 0 | 229 | 80 | 0 | 0 | 201 |
| | | | | | 80 | 0 | 0 | 183 | 94 | 0 | 0 | 183 |
| 30x20 | 1212 | 1229 | QFissi Solai | PolG | 0 | 0 | 0 | 394 | 81 | 0 | 0 | 395 |
| | | | | | 81 | 0 | 0 | 395 | 89 | 0 | 0 | 277 |
| | | | | | 89 | 0 | 0 | 277 | 92 | 0 | 0 | 243 |
| | | | | | 92 | 0 | 0 | 243 | 94 | 0 | 0 | 210 |
| 30x20 | 1212 | 1229 | QV Solai | PolG | 0 | 0 | 0 | 422 | 81 | 0 | 0 | 423 |
| | | | | | 81 | 0 | 0 | 423 | 89 | 0 | 0 | 297 |
| | | | | | 89 | 0 | 0 | 297 | 92 | 0 | 0 | 261 |
| | | | | | 92 | 0 | 0 | 261 | 94 | 0 | 0 | 226 |
| 30x20 | 1212 | 1229 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 295 | 81 | 0 | 0 | 296 |
| | | | | | 81 | 0 | 0 | 296 | 89 | 0 | 0 | 208 |
| | | | | | 89 | 0 | 0 | 208 | 92 | 0 | 0 | 182 |
| | | | | | 92 | 0 | 0 | 182 | 94 | 0 | 0 | 158 |
| 30x20 | 1212 | 1229 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 211 | 81 | 0 | 0 | 212 |
| | | | | | 81 | 0 | 0 | 212 | 89 | 0 | 0 | 148 |
| | | | | | 89 | 0 | 0 | 148 | 92 | 0 | 0 | 130 |
| | | | | | 92 | 0 | 0 | 130 | 94 | 0 | 0 | 113 |
| 30x20 | 1212 | 1229 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 127 | 81 | 0 | 0 | 127 |
| | | | | | 81 | 0 | 0 | 127 | 89 | 0 | 0 | 89 |
| | | | | | 89 | 0 | 0 | 89 | 92 | 0 | 0 | 78 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 92 | 0 | 0 | 78 | 94 | 0 | 0 | 68 |
| 30x20 | 1229 | 1238 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 102 | 0 | 0 | 150 |
| 30x20 | 1229 | 1238 | QP Solai | PolG | 0 | 0 | 0 | 183 | 15 | 0 | 0 | 182 |
| | | | | | 15 | 0 | 0 | 885 | 77 | 0 | 0 | 892 |
| | | | | | 77 | 0 | 0 | 892 | 102 | 0 | 0 | 895 |
| 30x20 | 1229 | 1238 | QFissi Solai | PolG | 0 | 0 | 0 | 464 | 102 | 0 | 0 | 466 |
| 30x20 | 1229 | 1238 | QV Solai | PolG | 0 | 0 | 0 | 478 | 102 | 0 | 0 | 480 |
| 30x20 | 1229 | 1238 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 334 | 102 | 0 | 0 | 336 |
| 30x20 | 1229 | 1238 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 293 | 102 | 0 | 0 | 295 |
| 30x20 | 1229 | 1238 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 225 | 102 | 0 | 0 | 227 |
| 30x20 | 1238 | 1243 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1238 | 1243 | QP Solai | PolG | 0 | 0 | 0 | 895 | 95 | 0 | 0 | 906 |
| | | | | | 95 | 0 | 0 | 906 | 120 | 0 | 0 | 909 |
| 30x20 | 1238 | 1243 | QFissi Solai | PolG | 0 | 0 | 0 | 466 | 93 | 0 | 0 | 468 |
| | | | | | 93 | 0 | 0 | 468 | 120 | 0 | 0 | 469 |
| 30x20 | 1238 | 1243 | QV Solai | PolG | 0 | 0 | 0 | 479 | 93 | 0 | 0 | 481 |
| | | | | | 93 | 0 | 0 | 481 | 120 | 0 | 0 | 482 |
| 30x20 | 1238 | 1243 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 336 | 120 | 0 | 0 | 337 |
| 30x20 | 1238 | 1243 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 295 | 120 | 0 | 0 | 298 |
| 30x20 | 1238 | 1243 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 227 | 120 | 0 | 0 | 230 |
| 30x20 | 1243 | 1262 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 254 | 0 | 0 | 150 |
| 30x20 | 1243 | 1262 | QP Solai | PolG | 0 | 0 | 0 | 909 | 233 | 0 | 0 | 937 |
| | | | | | 233 | 0 | 0 | 937 | 238 | 0 | 0 | 772 |
| | | | | | 238 | 0 | 0 | 772 | 240 | 0 | 0 | 772 |
| 30x20 | 1243 | 1262 | QFissi Solai | PolG | 0 | 0 | 0 | 468 | 248 | 0 | 0 | 474 |
| | | | | | 248 | 0 | 0 | 474 | 254 | 0 | 0 | 300 |
| 30x20 | 1243 | 1262 | QV Solai | PolG | 0 | 0 | 0 | 482 | 248 | 0 | 0 | 486 |
| | | | | | 248 | 0 | 0 | 486 | 254 | 0 | 0 | 300 |
| 30x20 | 1243 | 1262 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 337 | 248 | 0 | 0 | 340 |
| | | | | | 248 | 0 | 0 | 340 | 254 | 0 | 0 | 210 |
| 30x20 | 1243 | 1262 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 298 | 248 | 0 | 0 | 303 |
| | | | | | 248 | 0 | 0 | 303 | 254 | 0 | 0 | 210 |
| 30x20 | 1243 | 1262 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 230 | 248 | 0 | 0 | 236 |
| | | | | | 248 | 0 | 0 | 236 | 254 | 0 | 0 | 180 |
| **Trave 130** | | | | | | | | | | | | |
| 30x20 | 1198 | 1183 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 82 | 0 | 0 | 150 |
| 30x20 | 1198 | 1183 | QP Solai | PolG | 0 | 0 | 0 | 401 | 52 | 0 | 0 | 403 |
| | | | | | 52 | 0 | 0 | 403 | 58 | 0 | 0 | 318 |
| | | | | | 58 | 0 | 0 | 318 | 61 | 0 | 0 | 285 |
| | | | | | 61 | 0 | 0 | 285 | 67 | 0 | 0 | 195 |
| 30x20 | 1198 | 1183 | QFissi Solai | PolG | 0 | 0 | 0 | 417 | 67 | 0 | 0 | 420 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 67 | 0 | 0 | 420 | 73 | 0 | 0 | 331 |
| | | | | | 73 | 0 | 0 | 331 | 75 | 0 | 0 | 298 |
| | | | | | 75 | 0 | 0 | 298 | 82 | 0 | 0 | 203 |
| 30x20 | 1198 | 1183 | QV Solai | PolG | 0 | 0 | 0 | 447 | 67 | 0 | 0 | 450 |
| | | | | | 67 | 0 | 0 | 450 | 73 | 0 | 0 | 355 |
| | | | | | 73 | 0 | 0 | 355 | 75 | 0 | 0 | 319 |
| | | | | | 75 | 0 | 0 | 319 | 82 | 0 | 0 | 218 |
| 30x20 | 1198 | 1183 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 313 | 67 | 0 | 0 | 315 |
| | | | | | 67 | 0 | 0 | 315 | 73 | 0 | 0 | 249 |
| | | | | | 73 | 0 | 0 | 249 | 75 | 0 | 0 | 223 |
| | | | | | 75 | 0 | 0 | 223 | 82 | 0 | 0 | 153 |
| 30x20 | 1198 | 1183 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 224 | 67 | 0 | 0 | 225 |
| | | | | | 67 | 0 | 0 | 225 | 73 | 0 | 0 | 178 |
| | | | | | 73 | 0 | 0 | 178 | 75 | 0 | 0 | 160 |
| | | | | | 75 | 0 | 0 | 160 | 82 | 0 | 0 | 109 |
| 30x20 | 1198 | 1183 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 134 | 67 | 0 | 0 | 135 |
| | | | | | 67 | 0 | 0 | 135 | 73 | 0 | 0 | 107 |
| | | | | | 73 | 0 | 0 | 107 | 75 | 0 | 0 | 96 |
| | | | | | 75 | 0 | 0 | 96 | 82 | 0 | 0 | 65 |
| 30x20 | 1250 | 1198 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 505 | 0 | 0 | 150 |
| 30x20 | 1250 | 1198 | QP Solai | PolG | 0 | 0 | 0 | 380 | 14 | 0 | 0 | 381 |
| | | | | | 14 | 0 | 0 | 381 | 202 | 0 | 0 | 388 |
| | | | | | 202 | 0 | 0 | 388 | 321 | 0 | 0 | 393 |
| | | | | | 321 | 0 | 0 | 393 | 415 | 0 | 0 | 397 |
| | | | | | 415 | 0 | 0 | 397 | 448 | 0 | 0 | 398 |
| | | | | | 448 | 0 | 0 | 398 | 505 | 0 | 0 | 401 |
| 30x20 | 1250 | 1198 | QFissi Solai | PolG | 0 | 0 | 0 | 397 | 13 | 0 | 0 | 398 |
| | | | | | 13 | 0 | 0 | 398 | 200 | 0 | 0 | 405 |
| | | | | | 200 | 0 | 0 | 405 | 320 | 0 | 0 | 410 |
| | | | | | 320 | 0 | 0 | 410 | 414 | 0 | 0 | 414 |
| | | | | | 414 | 0 | 0 | 414 | 447 | 0 | 0 | 415 |
| | | | | | 447 | 0 | 0 | 415 | 505 | 0 | 0 | 417 |
| 30x20 | 1250 | 1198 | QV Solai | PolG | 0 | 0 | 0 | 425 | 13 | 0 | 0 | 426 |
| | | | | | 13 | 0 | 0 | 426 | 200 | 0 | 0 | 434 |
| | | | | | 200 | 0 | 0 | 434 | 320 | 0 | 0 | 439 |
| | | | | | 320 | 0 | 0 | 439 | 414 | 0 | 0 | 443 |
| | | | | | 414 | 0 | 0 | 443 | 447 | 0 | 0 | 445 |
| | | | | | 447 | 0 | 0 | 445 | 505 | 0 | 0 | 447 |
| 30x20 | 1250 | 1198 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 298 | 13 | 0 | 0 | 298 |
| | | | | | 13 | 0 | 0 | 298 | 200 | 0 | 0 | 304 |
| | | | | | 200 | 0 | 0 | 304 | 320 | 0 | 0 | 307 |
| | | | | | 320 | 0 | 0 | 307 | 414 | 0 | 0 | 310 |
| | | | | | 414 | 0 | 0 | 310 | 447 | 0 | 0 | 311 |
| | | | | | 447 | 0 | 0 | 311 | 505 | 0 | 0 | 313 |
| 30x20 | 1250 | 1198 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 213 | 13 | 0 | 0 | 213 |
| | | | | | 13 | 0 | 0 | 213 | 200 | 0 | 0 | 217 |
| | | | | | 200 | 0 | 0 | 217 | 320 | 0 | 0 | 220 |
| | | | | | 320 | 0 | 0 | 220 | 414 | 0 | 0 | 222 |
| | | | | | 414 | 0 | 0 | 222 | 447 | 0 | 0 | 222 |
| | | | | | 447 | 0 | 0 | 222 | 505 | 0 | 0 | 224 |
| 30x20 | 1250 | 1198 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 128 | 13 | 0 | 0 | 128 |
| | | | | | 13 | 0 | 0 | 128 | 200 | 0 | 0 | 130 |
| | | | | | 200 | 0 | 0 | 130 | 414 | 0 | 0 | 133 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 414 | 0 | 0 | 133 | 447 | 0 | 0 | 133 |
| | | | | | 447 | 0 | 0 | 133 | 505 | 0 | 0 | 134 |
| 30x20 | 1266 | 1250 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 95 | 0 | 0 | 150 |
| 30x20 | 1266 | 1250 | QP Solai | PolG | 15 | 0 | 0 | 197 | 21 | 0 | 0 | 377 |
| | | | | | 21 | 0 | 0 | 377 | 95 | 0 | 0 | 380 |
| 30x20 | 1266 | 1250 | QFissi Solai | PolG | 0 | 0 | 0 | 205 | 6 | 0 | 0 | 393 |
| | | | | | 6 | 0 | 0 | 393 | 95 | 0 | 0 | 397 |
| 30x20 | 1266 | 1250 | QV Solai | PolG | 0 | 0 | 0 | 220 | 6 | 0 | 0 | 422 |
| | | | | | 6 | 0 | 0 | 422 | 95 | 0 | 0 | 425 |
| 30x20 | 1266 | 1250 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 154 | 6 | 0 | 0 | 295 |
| | | | | | 6 | 0 | 0 | 295 | 95 | 0 | 0 | 298 |
| 30x20 | 1266 | 1250 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 110 | 6 | 0 | 0 | 211 |
| | | | | | 6 | 0 | 0 | 211 | 95 | 0 | 0 | 213 |
| 30x20 | 1266 | 1250 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 66 | 6 | 0 | 0 | 126 |
| | | | | | 6 | 0 | 0 | 126 | 95 | 0 | 0 | 128 |
| **Trave 131** | | | | | | | | | | | | |
| 30x20 | 1216 | 1178 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 188 | 0 | 0 | 150 |
| 30x20 | 1216 | 1178 | QP Solai | PolG | 0 | 0 | 0 | 206 | 16 | 0 | 0 | 205 |
| | | | | | 16 | 0 | 0 | 378 | 90 | 0 | 0 | 392 |
| | | | | | 90 | 0 | 0 | 392 | 158 | 0 | 0 | 404 |
| | | | | | 158 | 0 | 0 | 404 | 163 | 0 | 0 | 322 |
| | | | | | 163 | 0 | 0 | 322 | 166 | 0 | 0 | 289 |
| | | | | | 166 | 0 | 0 | 289 | 171 | 0 | 0 | 212 |
| | | | | | 171 | 0 | 0 | 212 | 174 | 0 | 0 | 213 |
| 30x20 | 1216 | 1178 | QFissi Solai | PolG | 0 | 0 | 0 | 290 | 91 | 0 | 0 | 292 |
| | | | | | 91 | 0 | 0 | 292 | 174 | 0 | 0 | 294 |
| | | | | | 174 | 0 | 0 | 294 | 180 | 0 | 0 | 207 |
| | | | | | 180 | 0 | 0 | 207 | 182 | 0 | 0 | 174 |
| | | | | | 182 | 0 | 0 | 174 | 188 | 0 | 0 | 92 |
| 30x20 | 1216 | 1178 | QV Solai | PolG | 0 | 0 | 0 | 305 | 91 | 0 | 0 | 307 |
| | | | | | 91 | 0 | 0 | 307 | 174 | 0 | 0 | 309 |
| | | | | | 174 | 0 | 0 | 309 | 180 | 0 | 0 | 216 |
| | | | | | 180 | 0 | 0 | 216 | 182 | 0 | 0 | 180 |
| | | | | | 182 | 0 | 0 | 180 | 188 | 0 | 0 | 92 |
| 30x20 | 1216 | 1178 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 214 | 91 | 0 | 0 | 215 |
| | | | | | 91 | 0 | 0 | 215 | 174 | 0 | 0 | 216 |
| | | | | | 174 | 0 | 0 | 216 | 180 | 0 | 0 | 151 |
| | | | | | 180 | 0 | 0 | 151 | 182 | 0 | 0 | 126 |
| | | | | | 182 | 0 | 0 | 126 | 188 | 0 | 0 | 64 |
| 30x20 | 1216 | 1178 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 167 | 91 | 0 | 0 | 170 |
| | | | | | 91 | 0 | 0 | 170 | 174 | 0 | 0 | 173 |
| | | | | | 174 | 0 | 0 | 173 | 180 | 0 | 0 | 126 |
| | | | | | 180 | 0 | 0 | 126 | 182 | 0 | 0 | 108 |
| | | | | | 182 | 0 | 0 | 108 | 188 | 0 | 0 | 64 |
| 30x20 | 1216 | 1178 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 114 | 174 | 0 | 0 | 120 |
| | | | | | 174 | 0 | 0 | 120 | 180 | 0 | 0 | 92 |
| | | | | | 180 | 0 | 0 | 92 | 182 | 0 | 0 | 81 |
| | | | | | 182 | 0 | 0 | 81 | 188 | 0 | 0 | 55 |
| 30x20 | 1233 | 1216 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 94 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1233 | 1216 | QP Solai | PolG | 0 | 0 | 0 | 1016 | 62 | 0 | 0 | 1026 |
| | | | | | 62 | 0 | 0 | 1026 | 64 | 0 | 0 | 945 |
| | | | | | 64 | 0 | 0 | 945 | 66 | 0 | 0 | 850 |
| | | | | | 66 | 0 | 0 | 850 | 75 | 0 | 0 | 513 |
| | | | | | 75 | 0 | 0 | 480 | 80 | 0 | 0 | 365 |
| | | | | | 80 | 0 | 0 | 207 | 94 | 0 | 0 | 206 |
| 30x20 | 1233 | 1216 | QFissi Solai | PolG | 0 | 0 | 0 | 534 | 75 | 0 | 0 | 535 |
| | | | | | 75 | 0 | 0 | 535 | 78 | 0 | 0 | 500 |
| | | | | | 78 | 0 | 0 | 500 | 80 | 0 | 0 | 464 |
| | | | | | 80 | 0 | 0 | 464 | 89 | 0 | 0 | 338 |
| | | | | | 89 | 0 | 0 | 325 | 93 | 0 | 0 | 282 |
| | | | | | 93 | 0 | 0 | 264 | 94 | 0 | 0 | 264 |
| 30x20 | 1233 | 1216 | QV Solai | PolG | 0 | 0 | 0 | 550 | 75 | 0 | 0 | 551 |
| | | | | | 75 | 0 | 0 | 551 | 78 | 0 | 0 | 516 |
| | | | | | 78 | 0 | 0 | 516 | 80 | 0 | 0 | 480 |
| | | | | | 80 | 0 | 0 | 480 | 89 | 0 | 0 | 353 |
| | | | | | 89 | 0 | 0 | 341 | 93 | 0 | 0 | 298 |
| | | | | | 93 | 0 | 0 | 280 | 94 | 0 | 0 | 280 |
| 30x20 | 1233 | 1216 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 385 | 75 | 0 | 0 | 385 |
| | | | | | 75 | 0 | 0 | 385 | 78 | 0 | 0 | 361 |
| | | | | | 78 | 0 | 0 | 361 | 80 | 0 | 0 | 336 |
| | | | | | 80 | 0 | 0 | 336 | 89 | 0 | 0 | 247 |
| | | | | | 89 | 0 | 0 | 239 | 93 | 0 | 0 | 208 |
| | | | | | 93 | 0 | 0 | 196 | 94 | 0 | 0 | 196 |
| 30x20 | 1233 | 1216 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 337 | 75 | 0 | 0 | 339 |
| | | | | | 75 | 0 | 0 | 339 | 78 | 0 | 0 | 315 |
| | | | | | 78 | 0 | 0 | 315 | 80 | 0 | 0 | 290 |
| | | | | | 80 | 0 | 0 | 290 | 89 | 0 | 0 | 201 |
| | | | | | 89 | 0 | 0 | 192 | 93 | 0 | 0 | 162 |
| | | | | | 93 | 0 | 0 | 149 | 94 | 0 | 0 | 149 |
| 30x20 | 1233 | 1216 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 259 | 75 | 0 | 0 | 261 |
| | | | | | 75 | 0 | 0 | 261 | 78 | 0 | 0 | 240 |
| | | | | | 78 | 0 | 0 | 240 | 80 | 0 | 0 | 218 |
| | | | | | 80 | 0 | 0 | 218 | 89 | 0 | 0 | 143 |
| | | | | | 89 | 0 | 0 | 135 | 93 | 0 | 0 | 109 |
| | | | | | 93 | 0 | 0 | 98 | 94 | 0 | 0 | 98 |
| 30x20 | 1240 | 1233 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1240 | 1233 | QP Solai | PolG | 0 | 0 | 0 | 998 | 95 | 0 | 0 | 1013 |
| | | | | | 95 | 0 | 0 | 1013 | 120 | 0 | 0 | 1016 |
| 30x20 | 1240 | 1233 | QFissi Solai | PolG | 0 | 0 | 0 | 532 | 94 | 0 | 0 | 534 |
| | | | | | 94 | 0 | 0 | 534 | 120 | 0 | 0 | 534 |
| 30x20 | 1240 | 1233 | QV Solai | PolG | 0 | 0 | 0 | 549 | 94 | 0 | 0 | 550 |
| | | | | | 94 | 0 | 0 | 550 | 120 | 0 | 0 | 550 |
| 30x20 | 1240 | 1233 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 384 | 120 | 0 | 0 | 385 |
| 30x20 | 1240 | 1233 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 335 | 120 | 0 | 0 | 337 |
| 30x20 | 1240 | 1233 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 255 | 120 | 0 | 0 | 259 |
| 30x20 | 1265 | 1240 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 290 | 0 | 0 | 150 |
| 30x20 | 1265 | 1240 | QP Solai | PolG | 14 | 0 | 0 | 239 | 16 | 0 | 0 | 239 |
| | | | | | 16 | 0 | 0 | 239 | 25 | 0 | 0 | 956 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 25 | 0 | 0 | 956 | 88 | 0 | 0 | 966 |
| | | | | | 88 | 0 | 0 | 966 | 265 | 0 | 0 | 994 |
| | | | | | 265 | 0 | 0 | 994 | 290 | 0 | 0 | 998 |
| 30x20 | 1265 | 1240 | QFissi Solai | PolG | 0 | 0 | 0 | 250 | 9 | 0 | 0 | 528 |
| | | | | | 9 | 0 | 0 | 528 | 89 | 0 | 0 | 529 |
| | | | | | 89 | 0 | 0 | 529 | 263 | 0 | 0 | 532 |
| | | | | | 263 | 0 | 0 | 532 | 290 | 0 | 0 | 532 |
| 30x20 | 1265 | 1240 | QV Solai | PolG | 0 | 0 | 0 | 268 | 9 | 0 | 0 | 545 |
| | | | | | 9 | 0 | 0 | 545 | 89 | 0 | 0 | 546 |
| | | | | | 89 | 0 | 0 | 546 | 263 | 0 | 0 | 548 |
| | | | | | 263 | 0 | 0 | 548 | 290 | 0 | 0 | 549 |
| 30x20 | 1265 | 1240 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 187 | 9 | 0 | 0 | 382 |
| | | | | | 9 | 0 | 0 | 382 | 89 | 0 | 0 | 382 |
| | | | | | 89 | 0 | 0 | 382 | 263 | 0 | 0 | 384 |
| | | | | | 263 | 0 | 0 | 384 | 290 | 0 | 0 | 384 |
| 30x20 | 1265 | 1240 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 134 | 9 | 0 | 0 | 328 |
| | | | | | 9 | 0 | 0 | 328 | 89 | 0 | 0 | 330 |
| | | | | | 89 | 0 | 0 | 330 | 263 | 0 | 0 | 334 |
| | | | | | 263 | 0 | 0 | 334 | 290 | 0 | 0 | 335 |
| 30x20 | 1265 | 1240 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 80 | 9 | 0 | 0 | 247 |
| | | | | | 9 | 0 | 0 | 247 | 89 | 0 | 0 | 249 |
| | | | | | 89 | 0 | 0 | 249 | 263 | 0 | 0 | 254 |
| | | | | | 263 | 0 | 0 | 254 | 290 | 0 | 0 | 255 |
| **Trave 132** | | | | | | | | | | | | |
| 30x20 | 1053 | 1057 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 492 | 0 | 0 | 150 |
| 30x20 | 1053 | 1057 | QP Solai | PolG | 14 | 0 | 0 | 263 | 22 | 0 | 0 | 262 |
| | | | | | 22 | 0 | 0 | 262 | 458 | 0 | 0 | 236 |
| | | | | | 458 | 0 | 0 | 236 | 466 | 0 | 0 | 129 |
| | | | | | 466 | 0 | 0 | 129 | 476 | 0 | 0 | 0 |
| 30x20 | 1053 | 1057 | QFissi Solai | PolG | 0 | 0 | 0 | 108 | 23 | 0 | 0 | 107 |
| | | | | | 23 | 0 | 0 | 107 | 473 | 0 | 0 | 97 |
| | | | | | 473 | 0 | 0 | 97 | 481 | 0 | 0 | 53 |
| | | | | | 481 | 0 | 0 | 53 | 492 | 0 | 0 | 0 |
| 30x20 | 1053 | 1057 | QV Solai | PolG | 0 | 0 | 0 | 108 | 23 | 0 | 0 | 107 |
| | | | | | 23 | 0 | 0 | 107 | 473 | 0 | 0 | 97 |
| | | | | | 473 | 0 | 0 | 97 | 481 | 0 | 0 | 53 |
| | | | | | 481 | 0 | 0 | 53 | 492 | 0 | 0 | 0 |
| 30x20 | 1053 | 1057 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 76 | 23 | 0 | 0 | 75 |
| | | | | | 23 | 0 | 0 | 75 | 473 | 0 | 0 | 68 |
| | | | | | 473 | 0 | 0 | 68 | 481 | 0 | 0 | 37 |
| | | | | | 481 | 0 | 0 | 37 | 492 | 0 | 0 | 0 |
| 30x20 | 1053 | 1057 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 76 | 23 | 0 | 0 | 75 |
| | | | | | 23 | 0 | 0 | 75 | 473 | 0 | 0 | 68 |
| | | | | | 473 | 0 | 0 | 68 | 481 | 0 | 0 | 37 |
| | | | | | 481 | 0 | 0 | 37 | 492 | 0 | 0 | 0 |
| 30x20 | 1053 | 1057 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 65 | 23 | 0 | 0 | 64 |
| | | | | | 23 | 0 | 0 | 64 | 473 | 0 | 0 | 58 |
| | | | | | 473 | 0 | 0 | 58 | 481 | 0 | 0 | 32 |
| | | | | | 481 | 0 | 0 | 32 | 492 | 0 | 0 | 0 |
| 30x20 | 1057 | 1067 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 465 | 0 | 0 | 150 |
| 30x20 | 105 | 106 | QP Solai | PolG | 12 | 0 | 0 | 343 | 172 | 0 | 0 | 261 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | | | | | | | | | | |
| | | | | | 172 | 0 | 0 | 261 | 448 | 0 | 0 | 118 |
| 30x20 | 1057 | 1067 | QFissi Solai | PolG | 0 | 0 | 0 | 143 | 465 | 0 | 0 | 53 |
| 30x20 | 1057 | 1067 | QV Solai | PolG | 0 | 0 | 0 | 143 | 465 | 0 | 0 | 53 |
| 30x20 | 1057 | 1067 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 100 | 465 | 0 | 0 | 37 |
| 30x20 | 1057 | 1067 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 100 | 465 | 0 | 0 | 37 |
| 30x20 | 1057 | 1067 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 86 | 465 | 0 | 0 | 32 |
| 30x20 | 1067 | 1076 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 518 | 0 | 0 | 150 |
| 30x20 | 1067 | 1076 | QP Solai | PolG | 14 | 0 | 0 | 260 | 23 | 0 | 0 | 373 |
| | | | | | 23 | 0 | 0 | 373 | 192 | 0 | 0 | 285 |
| | | | | | 192 | 0 | 0 | 285 | 503 | 0 | 0 | 122 |
| 30x20 | 1067 | 1076 | QFissi Solai | PolG | 0 | 0 | 0 | 103 | 12 | 0 | 0 | 154 |
| | | | | | 12 | 0 | 0 | 154 | 518 | 0 | 0 | 55 |
| 30x20 | 1067 | 1076 | QV Solai | PolG | 0 | 0 | 0 | 103 | 12 | 0 | 0 | 154 |
| | | | | | 12 | 0 | 0 | 154 | 518 | 0 | 0 | 55 |
| 30x20 | 1067 | 1076 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 72 | 12 | 0 | 0 | 108 |
| | | | | | 12 | 0 | 0 | 108 | 518 | 0 | 0 | 38 |
| 30x20 | 1067 | 1076 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 72 | 12 | 0 | 0 | 108 |
| | | | | | 12 | 0 | 0 | 108 | 518 | 0 | 0 | 38 |
| 30x20 | 1067 | 1076 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 62 | 12 | 0 | 0 | 93 |
| | | | | | 12 | 0 | 0 | 93 | 518 | 0 | 0 | 33 |
| 30x20 | 1076 | 1082 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 289 | 0 | 0 | 150 |
| 30x20 | 1076 | 1082 | QP Solai | PolG | 15 | 0 | 0 | 243 | 41 | 0 | 0 | 351 |
| | | | | | 41 | 0 | 0 | 351 | 79 | 0 | 0 | 331 |
| | | | | | 79 | 0 | 0 | 331 | 285 | 0 | 0 | 225 |
| | | | | | 285 | 0 | 0 | 225 | 289 | 0 | 0 | 223 |
| 30x20 | 1076 | 1082 | QFissi Solai | PolG | 0 | 0 | 0 | 97 | 31 | 0 | 0 | 146 |
| | | | | | 31 | 0 | 0 | 146 | 289 | 0 | 0 | 96 |
| 30x20 | 1076 | 1082 | QV Solai | PolG | 0 | 0 | 0 | 97 | 31 | 0 | 0 | 146 |
| | | | | | 31 | 0 | 0 | 146 | 289 | 0 | 0 | 96 |
| 30x20 | 1076 | 1082 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 68 | 31 | 0 | 0 | 102 |
| | | | | | 31 | 0 | 0 | 102 | 289 | 0 | 0 | 67 |
| 30x20 | 1076 | 1082 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 68 | 31 | 0 | 0 | 102 |
| | | | | | 31 | 0 | 0 | 102 | 289 | 0 | 0 | 67 |
| 30x20 | 1076 | 1082 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 58 | 31 | 0 | 0 | 87 |
| | | | | | 31 | 0 | 0 | 87 | 289 | 0 | 0 | 57 |
| 30x20 | 1082 | 1087 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 205 | 0 | 0 | 150 |
| 30x20 | 1082 | 1087 | QP Solai | PolG | 0 | 0 | 0 | 223 | 17 | 0 | 0 | 214 |
| | | | | | 17 | 0 | 0 | 1276 | 169 | 0 | 0 | 1153 |
| | | | | | 169 | 0 | 0 | 1153 | 180 | 0 | 0 | 673 |
| | | | | | 180 | 0 | 0 | 673 | 189 | 0 | 0 | 266 |
| | | | | | 189 | 0 | 0 | 141 | 190 | 0 | 0 | 83 |
| | | | | | 190 | 0 | 0 | 23 | 192 | 0 | 0 | 23 |
| 30x20 | 108 | 108 | QFissi Solai | PolG | 0 | 0 | 0 | 532 | 180 | 0 | 0 | 477 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 7 | | | | | | | | | | |
| | | | | | 180 | 0 | 0 | 477 | 192 | 0 | 0 | 280 |
| | | | | | 192 | 0 | 0 | 280 | 203 | 0 | 0 | 105 |
| | | | | | 203 | 0 | 0 | 105 | 205 | 0 | 0 | 66 |
| 30x20 | 1082 | 1087 | QV Solai | PolG | 0 | 0 | 0 | 532 | 180 | 0 | 0 | 477 |
| | | | | | 180 | 0 | 0 | 477 | 192 | 0 | 0 | 280 |
| | | | | | 192 | 0 | 0 | 280 | 203 | 0 | 0 | 105 |
| | | | | | 203 | 0 | 0 | 105 | 205 | 0 | 0 | 66 |
| 30x20 | 1082 | 1087 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 372 | 180 | 0 | 0 | 334 |
| | | | | | 180 | 0 | 0 | 334 | 192 | 0 | 0 | 196 |
| | | | | | 192 | 0 | 0 | 196 | 203 | 0 | 0 | 74 |
| | | | | | 203 | 0 | 0 | 74 | 205 | 0 | 0 | 46 |
| 30x20 | 1082 | 1087 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 372 | 180 | 0 | 0 | 334 |
| | | | | | 180 | 0 | 0 | 334 | 192 | 0 | 0 | 196 |
| | | | | | 192 | 0 | 0 | 196 | 203 | 0 | 0 | 74 |
| | | | | | 203 | 0 | 0 | 74 | 205 | 0 | 0 | 46 |
| 30x20 | 1082 | 1087 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 319 | 180 | 0 | 0 | 286 |
| | | | | | 180 | 0 | 0 | 286 | 192 | 0 | 0 | 168 |
| | | | | | 192 | 0 | 0 | 168 | 203 | 0 | 0 | 63 |
| | | | | | 203 | 0 | 0 | 63 | 205 | 0 | 0 | 40 |
| **Trave 133** | | | | | | | | | | | | |
| 30x20 | 1042 | 1040 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 67 | 0 | 0 | 150 |
| 30x20 | 1042 | 1040 | QP Solai | PolG | 0 | 0 | 0 | 363 | 39 | 0 | 0 | 350 |
| | | | | | 39 | 0 | 0 | 350 | 48 | 0 | 0 | 232 |
| | | | | | 48 | 0 | 0 | 232 | 55 | 0 | 0 | 233 |
| 30x20 | 1042 | 1040 | QFissi Solai | PolG | 0 | 0 | 0 | 300 | 56 | 0 | 0 | 299 |
| | | | | | 56 | 0 | 0 | 299 | 67 | 0 | 0 | 247 |
| 30x20 | 1042 | 1040 | QV Solai | PolG | 0 | 0 | 0 | 316 | 56 | 0 | 0 | 316 |
| | | | | | 56 | 0 | 0 | 316 | 67 | 0 | 0 | 264 |
| 30x20 | 1042 | 1040 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 221 | 56 | 0 | 0 | 221 |
| | | | | | 56 | 0 | 0 | 221 | 67 | 0 | 0 | 185 |
| 30x20 | 1042 | 1040 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 171 | 56 | 0 | 0 | 169 |
| | | | | | 56 | 0 | 0 | 169 | 67 | 0 | 0 | 132 |
| 30x20 | 1042 | 1040 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 114 | 56 | 0 | 0 | 111 |
| | | | | | 56 | 0 | 0 | 111 | 67 | 0 | 0 | 79 |
| 30x20 | 1043 | 1042 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1043 | 1042 | QP Solai | PolG | 0 | 0 | 0 | 401 | 120 | 0 | 0 | 362 |
| 30x20 | 1043 | 1042 | QFissi Solai | PolG | 0 | 0 | 0 | 301 | 120 | 0 | 0 | 299 |
| 30x20 | 1043 | 1042 | QV Solai | PolG | 0 | 0 | 0 | 316 | 120 | 0 | 0 | 316 |
| 30x20 | 1043 | 1042 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 221 | 120 | 0 | 0 | 221 |
| 30x20 | 1043 | 1042 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 175 | 120 | 0 | 0 | 171 |
| 30x20 | 1043 | 1042 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 121 | 120 | 0 | 0 | 114 |
| 30x20 | 1046 | 1043 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 300 | 0 | 0 | 150 |
| 30x20 | 1046 | 1043 | QP Solai | PolG | 14 | 0 | 0 | 220 | 16 | 0 | 0 | 253 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 16 | 0 | 0 | 407 | 23 | 0 | 0 | 489 |
| | | | | | 23 | 0 | 0 | 489 | 300 | 0 | 0 | 401 |
| 30x20 | 1046 | 1043 | QFissi Solai | PolG | 0 | 0 | 0 | 251 | 12 | 0 | 0 | 304 |
| | | | | | 12 | 0 | 0 | 304 | 300 | 0 | 0 | 301 |
| 30x20 | 1046 | 1043 | QV Solai | PolG | 0 | 0 | 0 | 263 | 12 | 0 | 0 | 316 |
| | | | | | 12 | 0 | 0 | 316 | 300 | 0 | 0 | 316 |
| 30x20 | 1046 | 1043 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 184 | 12 | 0 | 0 | 221 |
| | | | | | 12 | 0 | 0 | 221 | 300 | 0 | 0 | 221 |
| 30x20 | 1046 | 1043 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 149 | 12 | 0 | 0 | 186 |
| | | | | | 12 | 0 | 0 | 186 | 300 | 0 | 0 | 175 |
| 30x20 | 1046 | 1043 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 105 | 12 | 0 | 0 | 137 |
| | | | | | 12 | 0 | 0 | 137 | 300 | 0 | 0 | 121 |
| 30x20 | 1047 | 1046 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 65 | 0 | 0 | 150 |
| 30x20 | 1047 | 1046 | QP Solai | PolG | 0 | 0 | 0 | 782 | 16 | 0 | 0 | 775 |
| | | | | | 16 | 0 | 0 | 775 | 49 | 0 | 0 | 190 |
| | | | | | 49 | 0 | 0 | 72 | 52 | 0 | 0 | 24 |
| 30x20 | 1047 | 1046 | QFissi Solai | PolG | 0 | 0 | 0 | 739 | 27 | 0 | 0 | 735 |
| | | | | | 27 | 0 | 0 | 735 | 65 | 0 | 0 | 79 |
| 30x20 | 1047 | 1046 | QV Solai | PolG | 0 | 0 | 0 | 787 | 27 | 0 | 0 | 783 |
| | | | | | 27 | 0 | 0 | 783 | 65 | 0 | 0 | 81 |
| 30x20 | 1047 | 1046 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 551 | 27 | 0 | 0 | 548 |
| | | | | | 27 | 0 | 0 | 548 | 65 | 0 | 0 | 57 |
| 30x20 | 1047 | 1046 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 407 | 27 | 0 | 0 | 403 |
| | | | | | 27 | 0 | 0 | 403 | 65 | 0 | 0 | 51 |
| 30x20 | 1047 | 1046 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 256 | 27 | 0 | 0 | 253 |
| | | | | | 27 | 0 | 0 | 253 | 65 | 0 | 0 | 40 |
| 30x20 | 1048 | 1047 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1048 | 1047 | QP Solai | PolG | 0 | 0 | 0 | 837 | 120 | 0 | 0 | 782 |
| 30x20 | 1048 | 1047 | QFissi Solai | PolG | 0 | 0 | 0 | 756 | 120 | 0 | 0 | 739 |
| 30x20 | 1048 | 1047 | QV Solai | PolG | 0 | 0 | 0 | 804 | 120 | 0 | 0 | 787 |
| 30x20 | 1048 | 1047 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 563 | 120 | 0 | 0 | 551 |
| 30x20 | 1048 | 1047 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 420 | 120 | 0 | 0 | 406 |
| 30x20 | 1048 | 1047 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 268 | 120 | 0 | 0 | 256 |
| 30x20 | 1050 | 1048 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 351 | 0 | 0 | 150 |
| 30x20 | 1050 | 1048 | QP Solai | PolG | 0 | 0 | 0 | 620 | 15 | 0 | 0 | 620 |
| | | | | | 15 | 0 | 0 | 870 | 41 | 0 | 0 | 981 |
| | | | | | 41 | 0 | 0 | 981 | 351 | 0 | 0 | 837 |
| 30x20 | 1050 | 1048 | QFissi Solai | PolG | 0 | 0 | 0 | 754 | 31 | 0 | 0 | 804 |
| | | | | | 31 | 0 | 0 | 804 | 351 | 0 | 0 | 756 |
| 30x20 | 1050 | 1048 | QV Solai | PolG | 0 | 0 | 0 | 800 | 31 | 0 | 0 | 851 |
| | | | | | 31 | 0 | 0 | 851 | 351 | 0 | 0 | 804 |
| 30x20 | 105 | 104 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 560 | 31 | 0 | 0 | 595 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 8 | | | | | | | | | | |
| | | | | | 31 | 0 | 0 | 595 | 351 | 0 | 0 | 563 |
| 30x20 | 1050 | 1048 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 420 | 31 | 0 | 0 | 455 |
| | | | | | 31 | 0 | 0 | 455 | 351 | 0 | 0 | 420 |
| 30x20 | 1050 | 1048 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 270 | 31 | 0 | 0 | 300 |
| | | | | | 31 | 0 | 0 | 300 | 351 | 0 | 0 | 268 |
| 30x20 | 1051 | 1050 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 53 | 0 | 0 | 150 |
| 30x20 | 1051 | 1050 | QP Solai | PolG | 0 | 0 | 0 | 142 | 17 | 0 | 0 | 133 |
| | | | | | 17 | 0 | 0 | 752 | 39 | 0 | 0 | 741 |
| | | | | | 39 | 0 | 0 | 619 | 53 | 0 | 0 | 620 |
| 30x20 | 1051 | 1050 | QFissi Solai | PolG | 0 | 0 | 0 | 717 | 53 | 0 | 0 | 709 |
| 30x20 | 1051 | 1050 | QV Solai | PolG | 0 | 0 | 0 | 763 | 53 | 0 | 0 | 756 |
| 30x20 | 1051 | 1050 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 534 | 53 | 0 | 0 | 529 |
| 30x20 | 1051 | 1050 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 395 | 53 | 0 | 0 | 389 |
| 30x20 | 1051 | 1050 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 248 | 53 | 0 | 0 | 243 |
| 30x20 | 1060 | 1051 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 205 | 0 | 0 | 150 |
| 30x20 | 1060 | 1051 | QP Solai | PolG | 0 | 0 | 0 | 886 | 161 | 0 | 0 | 810 |
| | | | | | 161 | 0 | 0 | 810 | 192 | 0 | 0 | 178 |
| | | | | | 192 | 0 | 0 | 149 | 205 | 0 | 0 | 142 |
| 30x20 | 1060 | 1051 | QFissi Solai | PolG | 0 | 0 | 0 | 778 | 173 | 0 | 0 | 752 |
| | | | | | 173 | 0 | 0 | 752 | 205 | 0 | 0 | 95 |
| 30x20 | 1060 | 1051 | QV Solai | PolG | 0 | 0 | 0 | 826 | 173 | 0 | 0 | 800 |
| | | | | | 173 | 0 | 0 | 800 | 205 | 0 | 0 | 97 |
| 30x20 | 1060 | 1051 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 578 | 173 | 0 | 0 | 560 |
| | | | | | 173 | 0 | 0 | 560 | 205 | 0 | 0 | 68 |
| 30x20 | 1060 | 1051 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 434 | 173 | 0 | 0 | 414 |
| | | | | | 173 | 0 | 0 | 414 | 205 | 0 | 0 | 62 |
| 30x20 | 1060 | 1051 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 279 | 173 | 0 | 0 | 261 |
| | | | | | 173 | 0 | 0 | 261 | 205 | 0 | 0 | 49 |
| 30x20 | 1061 | 1060 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1061 | 1060 | QP Solai | PolG | 0 | 0 | 0 | 942 | 120 | 0 | 0 | 886 |
| 30x20 | 1061 | 1060 | QFissi Solai | PolG | 0 | 0 | 0 | 796 | 120 | 0 | 0 | 778 |
| 30x20 | 1061 | 1060 | QV Solai | PolG | 0 | 0 | 0 | 844 | 120 | 0 | 0 | 826 |
| 30x20 | 1061 | 1060 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 591 | 120 | 0 | 0 | 578 |
| 30x20 | 1061 | 1060 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 447 | 120 | 0 | 0 | 434 |
| 30x20 | 1061 | 1060 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 291 | 120 | 0 | 0 | 279 |
| 30x20 | 1063 | 1061 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 98 | 0 | 0 | 150 |
| 30x20 | 1063 | 1061 | QP Solai | PolG | 0 | 0 | 0 | 625 | 7 | 0 | 0 | 631 |
| | | | | | 7 | 0 | 0 | 631 | 14 | 0 | 0 | 631 |
| | | | | | 14 | 0 | 0 | 857 | 25 | 0 | 0 | 977 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 25 | 0 | 0 | 977 | 98 | 0 | 0 | 943 |
| 30x20 | 1063 | 1061 | QFissi Solai | PolG | 0 | 0 | 0 | 755 | 14 | 0 | 0 | 809 |
| | | | | | 14 | 0 | 0 | 809 | 98 | 0 | 0 | 796 |
| 30x20 | 1063 | 1061 | QV Solai | PolG | 0 | 0 | 0 | 803 | 14 | 0 | 0 | 857 |
| | | | | | 14 | 0 | 0 | 857 | 98 | 0 | 0 | 844 |
| 30x20 | 1063 | 1061 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 562 | 14 | 0 | 0 | 600 |
| | | | | | 14 | 0 | 0 | 600 | 98 | 0 | 0 | 591 |
| 30x20 | 1063 | 1061 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 419 | 14 | 0 | 0 | 457 |
| | | | | | 14 | 0 | 0 | 457 | 98 | 0 | 0 | 448 |
| 30x20 | 1063 | 1061 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 268 | 14 | 0 | 0 | 300 |
| | | | | | 14 | 0 | 0 | 300 | 98 | 0 | 0 | 291 |
| 30x20 | 1064 | 1063 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 67 | 0 | 0 | 150 |
| 30x20 | 1064 | 1063 | QP Solai | PolG | 0 | 0 | 0 | 577 | 51 | 0 | 0 | 611 |
| | | | | | 51 | 0 | 0 | 611 | 67 | 0 | 0 | 625 |
| 30x20 | 1064 | 1063 | QFissi Solai | PolG | 0 | 0 | 0 | 623 | 65 | 0 | 0 | 665 |
| | | | | | 65 | 0 | 0 | 12 | 67 | 0 | 0 | 12 |
| 30x20 | 1064 | 1063 | QV Solai | PolG | 0 | 0 | 0 | 667 | 65 | 0 | 0 | 713 |
| | | | | | 65 | 0 | 0 | 13 | 67 | 0 | 0 | 13 |
| 30x20 | 1064 | 1063 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 467 | 65 | 0 | 0 | 499 |
| | | | | | 65 | 0 | 0 | 9 | 67 | 0 | 0 | 9 |
| 30x20 | 1064 | 1063 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 337 | 65 | 0 | 0 | 357 |
| | | | | | 65 | 0 | 0 | 7 | 67 | 0 | 0 | 6 |
| 30x20 | 1064 | 1063 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 205 | 65 | 0 | 0 | 214 |
| | | | | | 65 | 0 | 0 | 4 | 67 | 0 | 0 | 4 |
| 30x20 | 1068 | 1064 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 1068 | 1064 | QP Solai | PolG | 0 | 0 | 0 | 499 | 120 | 0 | 0 | 577 |
| 30x20 | 1068 | 1064 | QFissi Solai | PolG | 0 | 0 | 0 | 545 | 120 | 0 | 0 | 623 |
| 30x20 | 1068 | 1064 | QV Solai | PolG | 0 | 0 | 0 | 584 | 120 | 0 | 0 | 667 |
| 30x20 | 1068 | 1064 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 409 | 120 | 0 | 0 | 467 |
| 30x20 | 1068 | 1064 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 301 | 120 | 0 | 0 | 337 |
| 30x20 | 1068 | 1064 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 188 | 120 | 0 | 0 | 205 |
| 30x20 | 1071 | 1068 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 97 | 0 | 0 | 150 |
| 30x20 | 1071 | 1068 | QP Solai | PolG | 0 | 0 | 0 | 58 | 18 | 0 | 0 | 54 |
| | | | | | 18 | 0 | 0 | 54 | 30 | 0 | 0 | 457 |
| | | | | | 30 | 0 | 0 | 457 | 97 | 0 | 0 | 500 |
| 30x20 | 1071 | 1068 | QFissi Solai | PolG | 0 | 0 | 0 | 62 | 13 | 0 | 0 | 491 |
| | | | | | 13 | 0 | 0 | 491 | 97 | 0 | 0 | 545 |
| 30x20 | 1071 | 1068 | QV Solai | PolG | 0 | 0 | 0 | 66 | 13 | 0 | 0 | 526 |
| | | | | | 13 | 0 | 0 | 526 | 97 | 0 | 0 | 584 |
| 30x20 | 1071 | 1068 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 46 | 13 | 0 | 0 | 368 |
| | | | | | 13 | 0 | 0 | 368 | 97 | 0 | 0 | 409 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 1071 | 1068 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 46 | 13 | 0 | 0 | 276 |
| | | | | | 13 | 0 | 0 | 276 | 97 | 0 | 0 | 301 |
| 30x20 | 1071 | 1068 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 40 | 13 | 0 | 0 | 177 |
| | | | | | 13 | 0 | 0 | 177 | 97 | 0 | 0 | 188 |
| 30x20 | 1072 | 1071 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 103 | 0 | 0 | 150 |
| 30x20 | 1072 | 1071 | QP Solai | PolG | 13 | 0 | 0 | 78 | 103 | 0 | 0 | 58 |
| 30x20 | 1072 | 1071 | QFissi Solai | PolG | 0 | 0 | 0 | 84 | 103 | 0 | 0 | 61 |
| 30x20 | 1072 | 1071 | QV Solai | PolG | 0 | 0 | 0 | 90 | 103 | 0 | 0 | 66 |
| 30x20 | 1072 | 1071 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 63 | 103 | 0 | 0 | 46 |
| 30x20 | 1072 | 1071 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 63 | 103 | 0 | 0 | 46 |
| 30x20 | 1072 | 1071 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 54 | 103 | 0 | 0 | 40 |
| **Trave 134** | | | | | | | | | | | | |
| 30x20 | 1007 | 1029 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 446 | 0 | 0 | 150 |
| 30x20 | 1007 | 1029 | QP Solai | PolG | 13 | 0 | 0 | 34 | 19 | 0 | 0 | 34 |
| | | | | | 19 | 0 | 0 | 34 | 99 | 0 | 0 | 606 |
| | | | | | 99 | 0 | 0 | 606 | 429 | 0 | 0 | 539 |
| | | | | | 429 | 0 | 0 | 539 | 446 | 0 | 0 | 537 |
| 30x20 | 1007 | 1029 | QFissi Solai | PolG | 0 | 0 | 0 | 37 | 86 | 0 | 0 | 644 |
| | | | | | 86 | 0 | 0 | 644 | 446 | 0 | 0 | 570 |
| 30x20 | 1007 | 1029 | QV Solai | PolG | 0 | 0 | 0 | 40 | 86 | 0 | 0 | 690 |
| | | | | | 86 | 0 | 0 | 690 | 446 | 0 | 0 | 611 |
| 30x20 | 1007 | 1029 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 28 | 86 | 0 | 0 | 483 |
| | | | | | 86 | 0 | 0 | 483 | 446 | 0 | 0 | 428 |
| 30x20 | 1007 | 1029 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 28 | 86 | 0 | 0 | 352 |
| | | | | | 86 | 0 | 0 | 352 | 446 | 0 | 0 | 306 |
| 30x20 | 1007 | 1029 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 24 | 86 | 0 | 0 | 217 |
| | | | | | 86 | 0 | 0 | 217 | 446 | 0 | 0 | 183 |
| 30x20 | 1029 | 1040 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 147 | 0 | 0 | 150 |
| 30x20 | 1029 | 1040 | QP Solai | PolG | 0 | 0 | 0 | 537 | 13 | 0 | 0 | 535 |
| | | | | | 13 | 0 | 0 | 2047 | 135 | 0 | 0 | 2017 |
| | | | | | 135 | 0 | 0 | 1497 | 147 | 0 | 0 | 1495 |
| 30x20 | 1029 | 1040 | QFissi Solai | PolG | 0 | 0 | 0 | 1174 | 147 | 0 | 0 | 1150 |
| 30x20 | 1029 | 1040 | QV Solai | PolG | 0 | 0 | 0 | 1215 | 147 | 0 | 0 | 1189 |
| 30x20 | 1029 | 1040 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 851 | 147 | 0 | 0 | 832 |
| 30x20 | 1029 | 1040 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 728 | 147 | 0 | 0 | 714 |
| 30x20 | 1029 | 1040 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 546 | 147 | 0 | 0 | 536 |
| 30x20 | 1040 | 1057 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 178 | 0 | 0 | 150 |
| 30x20 | 1040 | 1057 | QP Solai | PolG | 0 | 0 | 0 | 1495 | 19 | 0 | 0 | 1493 |
| | | | | | 19 | 0 | 0 | 1493 | 26 | 0 | 0 | 1644 |
| | | | | | 26 | 0 | 0 | 1644 | 45 | 0 | 0 | 2017 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 45 | 0 | 0 | 2017 | 89 | 0 | 0 | 2908 |
| | | | | | 89 | 0 | 0 | 2908 | 158 | 0 | 0 | 2875 |
| | | | | | 158 | 0 | 0 | 2875 | 162 | 0 | 0 | 1398 |
| | | | | | 162 | 0 | 0 | 1398 | 166 | 0 | 0 | 1396 |
| 30x20 | 1040 | 1057 | QFissi Solai | PolG | 0 | 0 | 0 | 597 | 10 | 0 | 0 | 675 |
| | | | | | 10 | 0 | 0 | 675 | 29 | 0 | 0 | 815 |
| | | | | | 29 | 0 | 0 | 815 | 76 | 0 | 0 | 1165 |
| | | | | | 76 | 0 | 0 | 1165 | 174 | 0 | 0 | 1148 |
| | | | | | 174 | 0 | 0 | 1148 | 178 | 0 | 0 | 558 |
| 30x20 | 1040 | 1057 | QV Solai | PolG | 0 | 0 | 0 | 597 | 10 | 0 | 0 | 675 |
| | | | | | 10 | 0 | 0 | 675 | 29 | 0 | 0 | 815 |
| | | | | | 29 | 0 | 0 | 815 | 76 | 0 | 0 | 1165 |
| | | | | | 76 | 0 | 0 | 1165 | 174 | 0 | 0 | 1148 |
| | | | | | 174 | 0 | 0 | 1148 | 178 | 0 | 0 | 558 |
| 30x20 | 1040 | 1057 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 418 | 10 | 0 | 0 | 473 |
| | | | | | 10 | 0 | 0 | 473 | 29 | 0 | 0 | 571 |
| | | | | | 29 | 0 | 0 | 571 | 76 | 0 | 0 | 816 |
| | | | | | 76 | 0 | 0 | 816 | 174 | 0 | 0 | 804 |
| | | | | | 174 | 0 | 0 | 804 | 178 | 0 | 0 | 391 |
| 30x20 | 1040 | 1057 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 418 | 10 | 0 | 0 | 473 |
| | | | | | 10 | 0 | 0 | 473 | 29 | 0 | 0 | 571 |
| | | | | | 29 | 0 | 0 | 571 | 76 | 0 | 0 | 816 |
| | | | | | 76 | 0 | 0 | 816 | 174 | 0 | 0 | 804 |
| | | | | | 174 | 0 | 0 | 804 | 178 | 0 | 0 | 391 |
| 30x20 | 1040 | 1057 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 358 | 10 | 0 | 0 | 405 |
| | | | | | 10 | 0 | 0 | 405 | 29 | 0 | 0 | 489 |
| | | | | | 29 | 0 | 0 | 489 | 76 | 0 | 0 | 699 |
| | | | | | 76 | 0 | 0 | 699 | 174 | 0 | 0 | 689 |
| | | | | | 174 | 0 | 0 | 689 | 178 | 0 | 0 | 335 |
| **Trave 135** | | | | | | | | | | | | |
| 30x20 | 1022 | 1020 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 63 | 0 | 0 | 150 |
| 30x20 | 1022 | 1020 | QP Solai | PolG | 0 | 0 | 0 | 2389 | 25 | 0 | 0 | 2392 |
| | | | | | 25 | 0 | 0 | 2392 | 35 | 0 | 0 | 2121 |
| | | | | | 35 | 0 | 0 | 2121 | 48 | 0 | 0 | 1814 |
| 30x20 | 1022 | 1020 | QFissi Solai | PolG | 0 | 0 | 0 | 1336 | 38 | 0 | 0 | 1338 |
| | | | | | 38 | 0 | 0 | 1338 | 50 | 0 | 0 | 1046 |
| | | | | | 50 | 0 | 0 | 1046 | 63 | 0 | 0 | 717 |
| 30x20 | 1022 | 1020 | QV Solai | PolG | 0 | 0 | 0 | 1381 | 38 | 0 | 0 | 1382 |
| | | | | | 38 | 0 | 0 | 1382 | 50 | 0 | 0 | 1069 |
| | | | | | 50 | 0 | 0 | 1069 | 63 | 0 | 0 | 717 |
| 30x20 | 1022 | 1020 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 967 | 38 | 0 | 0 | 968 |
| | | | | | 38 | 0 | 0 | 968 | 50 | 0 | 0 | 749 |
| | | | | | 50 | 0 | 0 | 749 | 63 | 0 | 0 | 502 |
| 30x20 | 1022 | 1020 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 967 | 38 | 0 | 0 | 968 |
| | | | | | 38 | 0 | 0 | 968 | 50 | 0 | 0 | 749 |
| | | | | | 50 | 0 | 0 | 749 | 63 | 0 | 0 | 502 |
| 30x20 | 1022 | 1020 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 828 | 38 | 0 | 0 | 829 |
| | | | | | 38 | 0 | 0 | 829 | 50 | 0 | 0 | 642 |
| | | | | | 50 | 0 | 0 | 642 | 63 | 0 | 0 | 430 |
| 30x20 | 1024 | 1022 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 38 | 0 | 0 | 150 |
| 30x20 | 102 | 102 | QP Solai | PolG | 0 | 0 | 0 | 580 | 13 | 0 | 0 | 580 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 2 | | | | | | | | | | |
| | | | | | 13 | 0 | 0 | 2386 | 38 | 0 | 0 | 2389 |
| 30x20 | 1024 | 1022 | QFissi Solai | PolG | 0 | 0 | 0 | 1335 | 38 | 0 | 0 | 1336 |
| 30x20 | 1024 | 1022 | QV Solai | PolG | 0 | 0 | 0 | 1379 | 38 | 0 | 0 | 1381 |
| 30x20 | 1024 | 1022 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 965 | 38 | 0 | 0 | 966 |
| 30x20 | 1024 | 1022 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 965 | 38 | 0 | 0 | 966 |
| 30x20 | 1024 | 1022 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 827 | 38 | 0 | 0 | 828 |
| 30x20 | 1025 | 1024 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 52 | 0 | 0 | 150 |
| 30x20 | 1025 | 1024 | QP Solai | PolG | 0 | 0 | 0 | 836 | 9 | 0 | 0 | 835 |
| | | | | | 9 | 0 | 0 | 835 | 35 | 0 | 0 | 580 |
| | | | | | 35 | 0 | 0 | 580 | 52 | 0 | 0 | 580 |
| 30x20 | 1025 | 1024 | QFissi Solai | PolG | 0 | 0 | 0 | 728 | 23 | 0 | 0 | 727 |
| | | | | | 23 | 0 | 0 | 727 | 52 | 0 | 0 | 622 |
| 30x20 | 1025 | 1024 | QV Solai | PolG | 0 | 0 | 0 | 772 | 23 | 0 | 0 | 771 |
| | | | | | 23 | 0 | 0 | 771 | 52 | 0 | 0 | 666 |
| 30x20 | 1025 | 1024 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 541 | 23 | 0 | 0 | 540 |
| | | | | | 23 | 0 | 0 | 540 | 52 | 0 | 0 | 466 |
| 30x20 | 1025 | 1024 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 541 | 23 | 0 | 0 | 540 |
| | | | | | 23 | 0 | 0 | 540 | 52 | 0 | 0 | 466 |
| 30x20 | 1025 | 1024 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 463 | 23 | 0 | 0 | 463 |
| | | | | | 23 | 0 | 0 | 463 | 52 | 0 | 0 | 400 |
| 30x20 | 1029 | 1025 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 450 | 0 | 0 | 150 |
| 30x20 | 1029 | 1025 | QP Solai | PolG | 13 | 0 | 0 | 313 | 17 | 0 | 0 | 312 |
| | | | | | 17 | 0 | 0 | 312 | 42 | 0 | 0 | 888 |
| | | | | | 42 | 0 | 0 | 888 | 450 | 0 | 0 | 836 |
| 30x20 | 1029 | 1025 | QFissi Solai | PolG | 0 | 0 | 0 | 128 | 27 | 0 | 0 | 747 |
| | | | | | 27 | 0 | 0 | 747 | 450 | 0 | 0 | 728 |
| 30x20 | 1029 | 1025 | QV Solai | PolG | 0 | 0 | 0 | 128 | 27 | 0 | 0 | 791 |
| | | | | | 27 | 0 | 0 | 791 | 450 | 0 | 0 | 772 |
| 30x20 | 1029 | 1025 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 90 | 27 | 0 | 0 | 554 |
| | | | | | 27 | 0 | 0 | 554 | 450 | 0 | 0 | 541 |
| 30x20 | 1029 | 1025 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 90 | 27 | 0 | 0 | 554 |
| | | | | | 27 | 0 | 0 | 554 | 450 | 0 | 0 | 541 |
| 30x20 | 1029 | 1025 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 77 | 27 | 0 | 0 | 475 |
| | | | | | 27 | 0 | 0 | 475 | 450 | 0 | 0 | 463 |
| **Trave 136** | | | | | | | | | | | | |
| 30x20 | 1013 | 1051 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 585 | 0 | 0 | 150 |
| 30x20 | 1013 | 1051 | QP Solai | PolG | 14 | 0 | 0 | 155 | 17 | 0 | 0 | 155 |
| | | | | | 17 | 0 | 0 | 189 | 73 | 0 | 0 | 292 |
| | | | | | 73 | 0 | 0 | 292 | 308 | 0 | 0 | 369 |
| | | | | | 308 | 0 | 0 | 369 | 481 | 0 | 0 | 373 |
| | | | | | 481 | 0 | 0 | 373 | 490 | 0 | 0 | 359 |
| | | | | | 490 | 0 | 0 | 359 | 508 | 0 | 0 | 326 |
| | | | | | 508 | 0 | 0 | 326 | 563 | 0 | 0 | 230 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 563 | 0 | 0 | 219 | 568 | 0 | 0 | 220 |
| | | | | | 568 | 0 | 0 | 186 | 571 | 0 | 0 | 186 |
| 30x20 | 1013 | 1051 | QFissi Solai | PolG | 0 | 0 | 0 | 199 | 60 | 0 | 0 | 308 |
| | | | | | 60 | 0 | 0 | 308 | 302 | 0 | 0 | 387 |
| | | | | | 302 | 0 | 0 | 387 | 493 | 0 | 0 | 392 |
| | | | | | 493 | 0 | 0 | 392 | 504 | 0 | 0 | 374 |
| | | | | | 504 | 0 | 0 | 374 | 522 | 0 | 0 | 341 |
| | | | | | 522 | 0 | 0 | 341 | 577 | 0 | 0 | 245 |
| | | | | | 577 | 0 | 0 | 245 | 585 | 0 | 0 | 230 |
| 30x20 | 1013 | 1051 | QV Solai | PolG | 0 | 0 | 0 | 213 | 60 | 0 | 0 | 330 |
| | | | | | 60 | 0 | 0 | 330 | 302 | 0 | 0 | 415 |
| | | | | | 302 | 0 | 0 | 415 | 493 | 0 | 0 | 420 |
| | | | | | 493 | 0 | 0 | 420 | 504 | 0 | 0 | 401 |
| | | | | | 504 | 0 | 0 | 401 | 522 | 0 | 0 | 366 |
| | | | | | 522 | 0 | 0 | 366 | 577 | 0 | 0 | 262 |
| | | | | | 577 | 0 | 0 | 262 | 585 | 0 | 0 | 246 |
| 30x20 | 1013 | 1051 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 149 | 60 | 0 | 0 | 231 |
| | | | | | 60 | 0 | 0 | 231 | 302 | 0 | 0 | 290 |
| | | | | | 302 | 0 | 0 | 290 | 493 | 0 | 0 | 294 |
| | | | | | 493 | 0 | 0 | 294 | 504 | 0 | 0 | 281 |
| | | | | | 504 | 0 | 0 | 281 | 522 | 0 | 0 | 256 |
| | | | | | 522 | 0 | 0 | 256 | 577 | 0 | 0 | 184 |
| | | | | | 577 | 0 | 0 | 184 | 585 | 0 | 0 | 173 |
| 30x20 | 1013 | 1051 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 106 | 60 | 0 | 0 | 165 |
| | | | | | 60 | 0 | 0 | 165 | 302 | 0 | 0 | 207 |
| | | | | | 302 | 0 | 0 | 207 | 493 | 0 | 0 | 210 |
| | | | | | 493 | 0 | 0 | 210 | 504 | 0 | 0 | 200 |
| | | | | | 504 | 0 | 0 | 200 | 522 | 0 | 0 | 183 |
| | | | | | 522 | 0 | 0 | 183 | 577 | 0 | 0 | 131 |
| | | | | | 577 | 0 | 0 | 131 | 585 | 0 | 0 | 123 |
| 30x20 | 1013 | 1051 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 64 | 60 | 0 | 0 | 99 |
| | | | | | 60 | 0 | 0 | 99 | 302 | 0 | 0 | 124 |
| | | | | | 302 | 0 | 0 | 124 | 493 | 0 | 0 | 126 |
| | | | | | 493 | 0 | 0 | 126 | 504 | 0 | 0 | 120 |
| | | | | | 504 | 0 | 0 | 120 | 522 | 0 | 0 | 110 |
| | | | | | 522 | 0 | 0 | 110 | 577 | 0 | 0 | 79 |
| | | | | | 577 | 0 | 0 | 79 | 585 | 0 | 0 | 74 |
| **Trave 137** | | | | | | | | | | | | |
| 30x20 | 1236 | 1251 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 441 | 0 | 0 | 150 |
| 30x20 | 1236 | 1251 | QP Solai | PolG | 0 | 0 | 0 | 546 | 23 | 0 | 0 | 541 |
| | | | | | 23 | 0 | 0 | 541 | 186 | 0 | 0 | 489 |
| | | | | | 186 | 0 | 0 | 489 | 433 | 0 | 0 | 411 |
| 30x20 | 1236 | 1251 | QFissi Solai | PolG | 0 | 0 | 0 | 578 | 12 | 0 | 0 | 574 |
| | | | | | 12 | 0 | 0 | 574 | 176 | 0 | 0 | 522 |
| | | | | | 176 | 0 | 0 | 522 | 441 | 0 | 0 | 439 |
| 30x20 | 1236 | 1251 | QV Solai | PolG | 0 | 0 | 0 | 619 | 12 | 0 | 0 | 615 |
| | | | | | 12 | 0 | 0 | 615 | 176 | 0 | 0 | 560 |
| | | | | | 176 | 0 | 0 | 560 | 441 | 0 | 0 | 470 |
| 30x20 | 1236 | 1251 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 433 | 12 | 0 | 0 | 430 |
| | | | | | 12 | 0 | 0 | 430 | 176 | 0 | 0 | 392 |
| | | | | | 176 | 0 | 0 | 392 | 441 | 0 | 0 | 329 |
| 30x20 | 1236 | 1251 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 310 | 12 | 0 | 0 | 307 |
| | | | | | 12 | 0 | 0 | 307 | 176 | 0 | 0 | 280 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 176 | 0 | 0 | 280 | 441 | 0 | 0 | 235 |
| 30x20 | 1236 | 1251 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 186 | 12 | 0 | 0 | 184 |
| | | | | | 12 | 0 | 0 | 184 | 176 | 0 | 0 | 168 |
| | | | | | 176 | 0 | 0 | 168 | 441 | 0 | 0 | 141 |
| 30x20 | 1251 | 1277 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 638 | 0 | 0 | 150 |
| 30x20 | 1251 | 1277 | QP Solai | PolG | 27 | 0 | 0 | 0 | 37 | 0 | 0 | 5 |
| | | | | | 37 | 0 | 0 | 215 | 605 | 0 | 0 | 418 |
| | | | | | 605 | 0 | 0 | 418 | 629 | 0 | 0 | 298 |
| 30x20 | 1251 | 1277 | QFissi Solai | PolG | 0 | 0 | 0 | 88 | 8 | 0 | 0 | 181 |
| | | | | | 8 | 0 | 0 | 225 | 612 | 0 | 0 | 441 |
| | | | | | 612 | 0 | 0 | 441 | 638 | 0 | 0 | 316 |
| 30x20 | 1251 | 1277 | QV Solai | PolG | 0 | 0 | 0 | 95 | 8 | 0 | 0 | 194 |
| | | | | | 8 | 0 | 0 | 241 | 612 | 0 | 0 | 472 |
| | | | | | 612 | 0 | 0 | 472 | 638 | 0 | 0 | 338 |
| 30x20 | 1251 | 1277 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 66 | 8 | 0 | 0 | 136 |
| | | | | | 8 | 0 | 0 | 169 | 612 | 0 | 0 | 331 |
| | | | | | 612 | 0 | 0 | 331 | 638 | 0 | 0 | 237 |
| 30x20 | 1251 | 1277 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 47 | 8 | 0 | 0 | 97 |
| | | | | | 8 | 0 | 0 | 120 | 612 | 0 | 0 | 236 |
| | | | | | 612 | 0 | 0 | 236 | 638 | 0 | 0 | 169 |
| 30x20 | 1251 | 1277 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 28 | 8 | 0 | 0 | 58 |
| | | | | | 8 | 0 | 0 | 72 | 612 | 0 | 0 | 142 |
| | | | | | 612 | 0 | 0 | 142 | 638 | 0 | 0 | 102 |
| **Trave 138** | | | | | | | | | | | | |
| 30x20 | 1017 | 1032 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 359 | 0 | 0 | 150 |
| 30x20 | 1017 | 1032 | QP Solai | PolG | 5 | 0 | 0 | 533 | 14 | 0 | 0 | 530 |
| | | | | | 14 | 0 | 0 | 530 | 104 | 0 | 0 | 502 |
| | | | | | 104 | 0 | 0 | 502 | 264 | 0 | 0 | 451 |
| | | | | | 264 | 0 | 0 | 451 | 353 | 0 | 0 | 424 |
| 30x20 | 1017 | 1032 | QFissi Solai | PolG | 0 | 0 | 0 | 562 | 87 | 0 | 0 | 535 |
| | | | | | 87 | 0 | 0 | 535 | 248 | 0 | 0 | 484 |
| | | | | | 248 | 0 | 0 | 484 | 359 | 0 | 0 | 449 |
| 30x20 | 1017 | 1032 | QV Solai | PolG | 0 | 0 | 0 | 603 | 87 | 0 | 0 | 573 |
| | | | | | 87 | 0 | 0 | 573 | 248 | 0 | 0 | 519 |
| | | | | | 248 | 0 | 0 | 519 | 359 | 0 | 0 | 481 |
| 30x20 | 1017 | 1032 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 422 | 87 | 0 | 0 | 401 |
| | | | | | 87 | 0 | 0 | 401 | 248 | 0 | 0 | 363 |
| | | | | | 248 | 0 | 0 | 363 | 359 | 0 | 0 | 337 |
| 30x20 | 1017 | 1032 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 301 | 87 | 0 | 0 | 287 |
| | | | | | 87 | 0 | 0 | 287 | 248 | 0 | 0 | 260 |
| | | | | | 248 | 0 | 0 | 260 | 359 | 0 | 0 | 241 |
| 30x20 | 1017 | 1032 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 181 | 87 | 0 | 0 | 172 |
| | | | | | 87 | 0 | 0 | 172 | 248 | 0 | 0 | 156 |
| | | | | | 248 | 0 | 0 | 156 | 359 | 0 | 0 | 144 |
| **Trave 139** | | | | | | | | | | | | |
| 30x20 | 1032 | 1071 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 392 | 0 | 0 | 150 |
| 30x20 | 1032 | 1071 | QP Solai | PolG | 6 | 0 | 0 | 193 | 269 | 0 | 0 | 190 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 269 | 0 | 0 | 190 | 299 | 0 | 0 | 136 |
| | | | | | 299 | 0 | 0 | 136 | 318 | 0 | 0 | 102 |
| | | | | | 318 | 0 | 0 | 102 | 333 | 0 | 0 | 75 |
| | | | | | 333 | 0 | 0 | 75 | 343 | 0 | 0 | 56 |
| | | | | | 343 | 0 | 0 | 56 | 362 | 0 | 0 | 22 |
| | | | | | 362 | 0 | 0 | 22 | 374 | 0 | 0 | 0 |
| 30x20 | 1032 | 1071 | QFissi Solai | PolG | 0 | 0 | 0 | 202 | 282 | 0 | 0 | 199 |
| | | | | | 282 | 0 | 0 | 199 | 314 | 0 | 0 | 141 |
| | | | | | 314 | 0 | 0 | 141 | 333 | 0 | 0 | 107 |
| | | | | | 333 | 0 | 0 | 107 | 348 | 0 | 0 | 80 |
| | | | | | 348 | 0 | 0 | 80 | 359 | 0 | 0 | 61 |
| | | | | | 359 | 0 | 0 | 61 | 377 | 0 | 0 | 27 |
| | | | | | 377 | 0 | 0 | 27 | 392 | 0 | 0 | 0 |
| 30x20 | 1032 | 1071 | QV Solai | PolG | 0 | 0 | 0 | 216 | 282 | 0 | 0 | 213 |
| | | | | | 282 | 0 | 0 | 213 | 314 | 0 | 0 | 151 |
| | | | | | 314 | 0 | 0 | 151 | 333 | 0 | 0 | 115 |
| | | | | | 333 | 0 | 0 | 115 | 348 | 0 | 0 | 85 |
| | | | | | 348 | 0 | 0 | 85 | 359 | 0 | 0 | 65 |
| | | | | | 359 | 0 | 0 | 65 | 377 | 0 | 0 | 29 |
| | | | | | 377 | 0 | 0 | 29 | 392 | 0 | 0 | 0 |
| 30x20 | 1032 | 1071 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 152 | 282 | 0 | 0 | 149 |
| | | | | | 282 | 0 | 0 | 149 | 314 | 0 | 0 | 106 |
| | | | | | 314 | 0 | 0 | 106 | 333 | 0 | 0 | 80 |
| | | | | | 333 | 0 | 0 | 80 | 348 | 0 | 0 | 60 |
| | | | | | 348 | 0 | 0 | 60 | 359 | 0 | 0 | 46 |
| | | | | | 359 | 0 | 0 | 46 | 377 | 0 | 0 | 20 |
| | | | | | 377 | 0 | 0 | 20 | 392 | 0 | 0 | 0 |
| 30x20 | 1032 | 1071 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 108 | 282 | 0 | 0 | 106 |
| | | | | | 282 | 0 | 0 | 106 | 314 | 0 | 0 | 75 |
| | | | | | 314 | 0 | 0 | 75 | 333 | 0 | 0 | 57 |
| | | | | | 333 | 0 | 0 | 57 | 348 | 0 | 0 | 43 |
| | | | | | 348 | 0 | 0 | 43 | 359 | 0 | 0 | 33 |
| | | | | | 359 | 0 | 0 | 33 | 377 | 0 | 0 | 15 |
| | | | | | 377 | 0 | 0 | 15 | 392 | 0 | 0 | 0 |
| 30x20 | 1032 | 1071 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 65 | 282 | 0 | 0 | 64 |
| | | | | | 282 | 0 | 0 | 64 | 314 | 0 | 0 | 45 |
| | | | | | 314 | 0 | 0 | 45 | 333 | 0 | 0 | 34 |
| | | | | | 333 | 0 | 0 | 34 | 348 | 0 | 0 | 26 |
| | | | | | 348 | 0 | 0 | 26 | 359 | 0 | 0 | 20 |
| | | | | | 359 | 0 | 0 | 20 | 377 | 0 | 0 | 9 |
| | | | | | 377 | 0 | 0 | 9 | 392 | 0 | 0 | 0 |
| **Trave 201** | | | | | | | | | | | | |
| 30x20 | 2183 | 2178 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 728 | 0 | 0 | 150 |
| 30x20 | 2183 | 2178 | QP Solai | PolG | 15 | 0 | 0 | 734 | 658 | 0 | 0 | 738 |
| | | | | | 658 | 0 | 0 | 738 | 680 | 0 | 0 | 430 |
| | | | | | 680 | 0 | 0 | 430 | 690 | 0 | 0 | 296 |
| | | | | | 690 | 0 | 0 | 296 | 697 | 0 | 0 | 191 |
| | | | | | 697 | 0 | 0 | 191 | 711 | 0 | 0 | 0 |
| 30x20 | 2183 | 2178 | QFissi Solai | PolG | 0 | 0 | 0 | 768 | 672 | 0 | 0 | 772 |
| | | | | | 672 | 0 | 0 | 772 | 695 | 0 | 0 | 448 |
| | | | | | 695 | 0 | 0 | 448 | 705 | 0 | 0 | 314 |
| | | | | | 705 | 0 | 0 | 314 | 712 | 0 | 0 | 209 |
| | | | | | 712 | 0 | 0 | 209 | 728 | 0 | 0 | 0 |
| 30x20 | 2183 | 2178 | QV Solai | PolG | 0 | 0 | 0 | 822 | 672 | 0 | 0 | 827 |
| | | | | | 672 | 0 | 0 | 827 | 695 | 0 | 0 | 480 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 695 | 0 | 0 | 480 | 705 | 0 | 0 | 337 |
| | | | | | 705 | 0 | 0 | 337 | 712 | 0 | 0 | 224 |
| | | | | | 712 | 0 | 0 | 224 | 728 | 0 | 0 | 0 |
| 30x20 | 2183 | 2178 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 576 | 672 | 0 | 0 | 579 |
| | | | | | 672 | 0 | 0 | 579 | 695 | 0 | 0 | 336 |
| | | | | | 695 | 0 | 0 | 336 | 705 | 0 | 0 | 236 |
| | | | | | 705 | 0 | 0 | 236 | 712 | 0 | 0 | 157 |
| | | | | | 712 | 0 | 0 | 157 | 728 | 0 | 0 | 0 |
| 30x20 | 2183 | 2178 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 411 | 672 | 0 | 0 | 413 |
| | | | | | 672 | 0 | 0 | 413 | 695 | 0 | 0 | 240 |
| | | | | | 695 | 0 | 0 | 240 | 705 | 0 | 0 | 168 |
| | | | | | 705 | 0 | 0 | 168 | 712 | 0 | 0 | 112 |
| | | | | | 712 | 0 | 0 | 112 | 728 | 0 | 0 | 0 |
| 30x20 | 2183 | 2178 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 247 | 672 | 0 | 0 | 248 |
| | | | | | 672 | 0 | 0 | 248 | 695 | 0 | 0 | 144 |
| | | | | | 695 | 0 | 0 | 144 | 705 | 0 | 0 | 101 |
| | | | | | 705 | 0 | 0 | 101 | 712 | 0 | 0 | 67 |
| | | | | | 712 | 0 | 0 | 67 | 728 | 0 | 0 | 0 |
| 30x20 | 2189 | 2183 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 775 | 0 | 0 | 150 |
| 30x20 | 2189 | 2183 | QP Solai | PolG | 16 | 0 | 0 | 4 | 56 | 0 | 0 | 726 |
| | | | | | 56 | 0 | 0 | 726 | 760 | 0 | 0 | 730 |
| 30x20 | 2189 | 2183 | QFissi Solai | PolG | 0 | 0 | 0 | 4 | 42 | 0 | 0 | 759 |
| | | | | | 42 | 0 | 0 | 759 | 775 | 0 | 0 | 764 |
| 30x20 | 2189 | 2183 | QV Solai | PolG | 0 | 0 | 0 | 4 | 42 | 0 | 0 | 814 |
| | | | | | 42 | 0 | 0 | 814 | 775 | 0 | 0 | 818 |
| 30x20 | 2189 | 2183 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 3 | 42 | 0 | 0 | 570 |
| | | | | | 42 | 0 | 0 | 570 | 775 | 0 | 0 | 573 |
| 30x20 | 2189 | 2183 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 2 | 42 | 0 | 0 | 407 |
| | | | | | 42 | 0 | 0 | 407 | 775 | 0 | 0 | 409 |
| 30x20 | 2189 | 2183 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 1 | 42 | 0 | 0 | 244 |
| | | | | | 42 | 0 | 0 | 244 | 775 | 0 | 0 | 245 |
| 30x20 | 2190 | 2189 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 192 | 0 | 0 | 150 |
| 30x20 | 2190 | 2189 | QP Solai | PolG | 16 | 0 | 0 | 1 | 63 | 0 | 0 | 721 |
| | | | | | 63 | 0 | 0 | 721 | 178 | 0 | 0 | 721 |
| 30x20 | 2190 | 2189 | QFissi Solai | PolG | 0 | 0 | 0 | 1 | 49 | 0 | 0 | 754 |
| | | | | | 49 | 0 | 0 | 754 | 192 | 0 | 0 | 755 |
| 30x20 | 2190 | 2189 | QV Solai | PolG | 0 | 0 | 0 | 1 | 49 | 0 | 0 | 808 |
| | | | | | 49 | 0 | 0 | 808 | 192 | 0 | 0 | 809 |
| 30x20 | 2190 | 2189 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 1 | 49 | 0 | 0 | 566 |
| | | | | | 49 | 0 | 0 | 566 | 192 | 0 | 0 | 566 |
| 30x20 | 2190 | 2189 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 1 | 49 | 0 | 0 | 404 |
| | | | | | 49 | 0 | 0 | 404 | 192 | 0 | 0 | 405 |
| 30x20 | 2190 | 2189 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 242 |
| | | | | | 49 | 0 | 0 | 242 | 192 | 0 | 0 | 243 |
| 30x20 | 2195 | 2190 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 483 | 0 | 0 | 150 |
| 30x20 | 219 | 219 | QP Solai | PolG | 14 | 0 | 0 | 203 | 16 | 0 | 0 | 203 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 0 | | | | | | | | | | |
| | | | | | 16 | 0 | 0 | 203 | 467 | 0 | 0 | 219 |
| 30x20 | 2195 | 2190 | QFissi Solai | PolG | 0 | 0 | 0 | 213 | 483 | 0 | 0 | 223 |
| 30x20 | 2195 | 2190 | QV Solai | PolG | 0 | 0 | 0 | 228 | 483 | 0 | 0 | 244 |
| 30x20 | 2195 | 2190 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 160 | 483 | 0 | 0 | 183 |
| 30x20 | 2195 | 2190 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 114 | 483 | 0 | 0 | 139 |
| 30x20 | 2195 | 2190 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 68 | 483 | 0 | 0 | 94 |
| **Trave 202** | | | | | | | | | | | | |
| 30x20 | 2251 | 2277 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 638 | 0 | 0 | 150 |
| 30x20 | 2251 | 2277 | QP Solai | PolG | 27 | 0 | 0 | 0 | 37 | 0 | 0 | 1 |
| | | | | | 37 | 0 | 0 | 843 | 605 | 0 | 0 | 600 |
| | | | | | 605 | 0 | 0 | 600 | 629 | 0 | 0 | 75 |
| 30x20 | 2251 | 2277 | QFissi Solai | PolG | 0 | 0 | 0 | 354 | 10 | 0 | 0 | 884 |
| | | | | | 10 | 0 | 0 | 884 | 612 | 0 | 0 | 626 |
| | | | | | 612 | 0 | 0 | 626 | 638 | 0 | 0 | 79 |
| 30x20 | 2251 | 2277 | QV Solai | PolG | 0 | 0 | 0 | 379 | 10 | 0 | 0 | 947 |
| | | | | | 10 | 0 | 0 | 947 | 612 | 0 | 0 | 671 |
| | | | | | 612 | 0 | 0 | 671 | 638 | 0 | 0 | 85 |
| 30x20 | 2251 | 2277 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 265 | 10 | 0 | 0 | 663 |
| | | | | | 10 | 0 | 0 | 663 | 612 | 0 | 0 | 469 |
| | | | | | 612 | 0 | 0 | 469 | 638 | 0 | 0 | 59 |
| 30x20 | 2251 | 2277 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 190 | 10 | 0 | 0 | 474 |
| | | | | | 10 | 0 | 0 | 474 | 612 | 0 | 0 | 335 |
| | | | | | 612 | 0 | 0 | 335 | 638 | 0 | 0 | 42 |
| 30x20 | 2251 | 2277 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 114 | 10 | 0 | 0 | 284 |
| | | | | | 10 | 0 | 0 | 284 | 612 | 0 | 0 | 201 |
| | | | | | 612 | 0 | 0 | 201 | 638 | 0 | 0 | 25 |
| **Trave 203** | | | | | | | | | | | | |
| 30x20 | 2203 | 2202 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 586 | 0 | 0 | 150 |
| 30x20 | 2203 | 2202 | QP Solai | PolG | 15 | 0 | 0 | 606 | 531 | 0 | 0 | 605 |
| | | | | | 531 | 0 | 0 | 605 | 570 | 0 | 0 | 0 |
| 30x20 | 2203 | 2202 | QFissi Solai | PolG | 0 | 0 | 0 | 640 | 545 | 0 | 0 | 638 |
| | | | | | 545 | 0 | 0 | 638 | 586 | 0 | 0 | 0 |
| 30x20 | 2203 | 2202 | QV Solai | PolG | 0 | 0 | 0 | 685 | 545 | 0 | 0 | 684 |
| | | | | | 545 | 0 | 0 | 684 | 586 | 0 | 0 | 0 |
| 30x20 | 2203 | 2202 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 480 | 545 | 0 | 0 | 479 |
| | | | | | 545 | 0 | 0 | 479 | 586 | 0 | 0 | 0 |
| 30x20 | 2203 | 2202 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 343 | 545 | 0 | 0 | 342 |
| | | | | | 545 | 0 | 0 | 342 | 586 | 0 | 0 | 0 |
| 30x20 | 2203 | 2202 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 206 | 545 | 0 | 0 | 205 |
| | | | | | 545 | 0 | 0 | 205 | 586 | 0 | 0 | 0 |
| 30x20 | 2212 | 2203 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 611 | 0 | 0 | 150 |
| 30x20 | 2212 | 2203 | QP Solai | PolG | 14 | 0 | 0 | 157 | 584 | 0 | 0 | 151 |
| | | | | | 584 | 0 | 0 | 151 | 595 | 0 | 0 | 0 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 2212 | 2203 | QFissi Solai | PolG | 0 | 0 | 0 | 166 | 599 | 0 | 0 | 160 |
| | | | | | 599 | 0 | 0 | 160 | 611 | 0 | 0 | 0 |
| 30x20 | 2212 | 2203 | QV Solai | PolG | 0 | 0 | 0 | 178 | 599 | 0 | 0 | 171 |
| | | | | | 599 | 0 | 0 | 171 | 611 | 0 | 0 | 0 |
| 30x20 | 2212 | 2203 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 125 | 599 | 0 | 0 | 120 |
| | | | | | 599 | 0 | 0 | 120 | 611 | 0 | 0 | 0 |
| 30x20 | 2212 | 2203 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 89 | 599 | 0 | 0 | 86 |
| | | | | | 599 | 0 | 0 | 86 | 611 | 0 | 0 | 0 |
| 30x20 | 2212 | 2203 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 53 | 599 | 0 | 0 | 51 |
| | | | | | 599 | 0 | 0 | 51 | 611 | 0 | 0 | 0 |
| **Trave 204** | | | | | | | | | | | | |
| 30x20 | 2006 | 2020 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 444 | 0 | 0 | 150 |
| 30x20 | 2006 | 2020 | QP Solai | PolG | 15 | 0 | 0 | 1 | 43 | 0 | 0 | 787 |
| | | | | | 43 | 0 | 0 | 787 | 429 | 0 | 0 | 886 |
| | | | | | 429 | 0 | 0 | 34 | 444 | 0 | 0 | 36 |
| 30x20 | 2006 | 2020 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 692 |
| | | | | | 30 | 0 | 0 | 692 | 444 | 0 | 0 | 780 |
| 30x20 | 2006 | 2020 | QV Solai | PolG | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 830 |
| | | | | | 30 | 0 | 0 | 830 | 444 | 0 | 0 | 936 |
| 30x20 | 2006 | 2020 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 830 |
| | | | | | 30 | 0 | 0 | 830 | 444 | 0 | 0 | 936 |
| 30x20 | 2006 | 2020 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 747 |
| | | | | | 30 | 0 | 0 | 747 | 444 | 0 | 0 | 842 |
| 30x20 | 2006 | 2020 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 664 |
| | | | | | 30 | 0 | 0 | 664 | 444 | 0 | 0 | 748 |
| 30x20 | 2020 | 2027 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 21 | 0 | 0 | 150 |
| 30x20 | 2020 | 2027 | QP Solai | PolG | 0 | 0 | 0 | 34 | 21 | 0 | 0 | 35 |
| 30x20 | 2020 | 2027 | QFissi Solai | PolG | 0 | 0 | 0 | 29 | 21 | 0 | 0 | 30 |
| 30x20 | 2020 | 2027 | QV Solai | PolG | 0 | 0 | 0 | 35 | 21 | 0 | 0 | 36 |
| 30x20 | 2020 | 2027 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 35 | 21 | 0 | 0 | 36 |
| 30x20 | 2020 | 2027 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 31 | 21 | 0 | 0 | 33 |
| 30x20 | 2020 | 2027 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 28 | 21 | 0 | 0 | 29 |
| 30x20 | 2027 | 2033 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2027 | 2033 | QP Solai | PolG | 0 | 0 | 0 | 37 | 120 | 0 | 0 | 47 |
| 30x20 | 2027 | 2033 | QFissi Solai | PolG | 0 | 0 | 0 | 32 | 120 | 0 | 0 | 40 |
| 30x20 | 2027 | 2033 | QV Solai | PolG | 0 | 0 | 0 | 38 | 120 | 0 | 0 | 48 |
| 30x20 | 2027 | 2033 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 38 | 120 | 0 | 0 | 48 |
| 30x20 | 2027 | 2033 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 35 | 120 | 0 | 0 | 44 |
| 30x20 | 2027 | 2033 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 31 | 120 | 0 | 0 | 39 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 2033 | 2038 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 32 | 0 | 0 | 150 |
| 30x20 | 2033 | 2038 | QP Solai | PolG | 0 | 0 | 0 | 46 | 17 | 0 | 0 | 47 |
| 30x20 | 2033 | 2038 | QFissi Solai | PolG | 0 | 0 | 0 | 39 | 32 | 0 | 0 | 42 |
| 30x20 | 2033 | 2038 | QV Solai | PolG | 0 | 0 | 0 | 47 | 32 | 0 | 0 | 50 |
| 30x20 | 2033 | 2038 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 47 | 32 | 0 | 0 | 50 |
| 30x20 | 2033 | 2038 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 43 | 32 | 0 | 0 | 45 |
| 30x20 | 2033 | 2038 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 38 | 32 | 0 | 0 | 40 |
| 30x20 | 2038 | 2089 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 426 | 0 | 0 | 150 |
| 30x20 | 2038 | 2089 | QP Solai | PolG | 15 | 0 | 0 | 1865 | 409 | 0 | 0 | 1879 |
| | | | | | 409 | 0 | 0 | 17 | 412 | 0 | 0 | 18 |
| 30x20 | 2038 | 2089 | QFissi Solai | PolG | 0 | 0 | 0 | 735 | 426 | 0 | 0 | 741 |
| 30x20 | 2038 | 2089 | QV Solai | PolG | 0 | 0 | 0 | 735 | 426 | 0 | 0 | 741 |
| 30x20 | 2038 | 2089 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 515 | 426 | 0 | 0 | 519 |
| 30x20 | 2038 | 2089 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 515 | 426 | 0 | 0 | 519 |
| 30x20 | 2038 | 2089 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 441 | 426 | 0 | 0 | 445 |
| 30x20 | 2089 | 2111 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 339 | 0 | 0 | 150 |
| 30x20 | 2089 | 2111 | QP Solai | PolG | 14 | 0 | 0 | 872 | 150 | 0 | 0 | 879 |
| | | | | | 150 | 0 | 0 | 879 | 270 | 0 | 0 | 886 |
| | | | | | 270 | 0 | 0 | 886 | 323 | 0 | 0 | 888 |
| 30x20 | 2089 | 2111 | QFissi Solai | PolG | 0 | 0 | 0 | 763 | 152 | 0 | 0 | 770 |
| | | | | | 152 | 0 | 0 | 770 | 272 | 0 | 0 | 775 |
| | | | | | 272 | 0 | 0 | 775 | 339 | 0 | 0 | 778 |
| 30x20 | 2089 | 2111 | QV Solai | PolG | 0 | 0 | 0 | 916 | 152 | 0 | 0 | 924 |
| | | | | | 152 | 0 | 0 | 924 | 272 | 0 | 0 | 931 |
| | | | | | 272 | 0 | 0 | 931 | 339 | 0 | 0 | 934 |
| 30x20 | 2089 | 2111 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 916 | 152 | 0 | 0 | 924 |
| | | | | | 152 | 0 | 0 | 924 | 272 | 0 | 0 | 931 |
| | | | | | 272 | 0 | 0 | 931 | 339 | 0 | 0 | 934 |
| 30x20 | 2089 | 2111 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 824 | 152 | 0 | 0 | 832 |
| | | | | | 152 | 0 | 0 | 832 | 272 | 0 | 0 | 837 |
| | | | | | 272 | 0 | 0 | 837 | 339 | 0 | 0 | 841 |
| 30x20 | 2089 | 2111 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 733 | 152 | 0 | 0 | 739 |
| | | | | | 152 | 0 | 0 | 739 | 272 | 0 | 0 | 744 |
| | | | | | 272 | 0 | 0 | 744 | 339 | 0 | 0 | 747 |
| 30x20 | 2111 | 2157 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 546 | 0 | 0 | 150 |
| 30x20 | 2111 | 2157 | QP Solai | PolG | 14 | 0 | 0 | 0 | 22 | 0 | 0 | 891 |
| | | | | | 22 | 0 | 0 | 891 | 202 | 0 | 0 | 900 |
| | | | | | 202 | 0 | 0 | 900 | 322 | 0 | 0 | 907 |
| | | | | | 322 | 0 | 0 | 907 | 530 | 0 | 0 | 918 |
| 30x20 | 2111 | 2157 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 779 |
| | | | | | 9 | 0 | 0 | 779 | 204 | 0 | 0 | 788 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 204 | 0 | 0 | 788 | 324 | 0 | 0 | 793 |
| | | | | | 324 | 0 | 0 | 793 | 546 | 0 | 0 | 803 |
| 30x20 | 2111 | 2157 | QV Solai | PolG | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 935 |
| | | | | | 9 | 0 | 0 | 935 | 204 | 0 | 0 | 945 |
| | | | | | 204 | 0 | 0 | 945 | 324 | 0 | 0 | 952 |
| | | | | | 324 | 0 | 0 | 952 | 546 | 0 | 0 | 964 |
| 30x20 | 2111 | 2157 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 935 |
| | | | | | 9 | 0 | 0 | 935 | 204 | 0 | 0 | 945 |
| | | | | | 204 | 0 | 0 | 945 | 324 | 0 | 0 | 952 |
| | | | | | 324 | 0 | 0 | 952 | 546 | 0 | 0 | 964 |
| 30x20 | 2111 | 2157 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 841 |
| | | | | | 9 | 0 | 0 | 841 | 204 | 0 | 0 | 851 |
| | | | | | 204 | 0 | 0 | 851 | 324 | 0 | 0 | 857 |
| | | | | | 324 | 0 | 0 | 857 | 546 | 0 | 0 | 867 |
| 30x20 | 2111 | 2157 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 748 |
| | | | | | 9 | 0 | 0 | 748 | 204 | 0 | 0 | 756 |
| | | | | | 204 | 0 | 0 | 756 | 324 | 0 | 0 | 761 |
| | | | | | 324 | 0 | 0 | 761 | 546 | 0 | 0 | 771 |
| 30x20 | 2157 | 2223 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 449 | 0 | 0 | 150 |
| 30x20 | 2157 | 2223 | QP Solai | PolG | 14 | 0 | 0 | 0 | 33 | 0 | 0 | 921 |
| | | | | | 33 | 0 | 0 | 921 | 97 | 0 | 0 | 924 |
| | | | | | 97 | 0 | 0 | 924 | 218 | 0 | 0 | 931 |
| | | | | | 218 | 0 | 0 | 931 | 367 | 0 | 0 | 939 |
| | | | | | 367 | 0 | 0 | 939 | 433 | 0 | 0 | 942 |
| 30x20 | 2157 | 2223 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 804 |
| | | | | | 20 | 0 | 0 | 804 | 99 | 0 | 0 | 808 |
| | | | | | 99 | 0 | 0 | 808 | 219 | 0 | 0 | 813 |
| | | | | | 219 | 0 | 0 | 813 | 369 | 0 | 0 | 820 |
| | | | | | 369 | 0 | 0 | 820 | 449 | 0 | 0 | 823 |
| 30x20 | 2157 | 2223 | QV Solai | PolG | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 965 |
| | | | | | 20 | 0 | 0 | 965 | 99 | 0 | 0 | 969 |
| | | | | | 99 | 0 | 0 | 969 | 219 | 0 | 0 | 976 |
| | | | | | 219 | 0 | 0 | 976 | 369 | 0 | 0 | 984 |
| | | | | | 369 | 0 | 0 | 984 | 449 | 0 | 0 | 988 |
| 30x20 | 2157 | 2223 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 965 |
| | | | | | 20 | 0 | 0 | 965 | 99 | 0 | 0 | 969 |
| | | | | | 99 | 0 | 0 | 969 | 219 | 0 | 0 | 976 |
| | | | | | 219 | 0 | 0 | 976 | 369 | 0 | 0 | 984 |
| | | | | | 369 | 0 | 0 | 984 | 449 | 0 | 0 | 988 |
| 30x20 | 2157 | 2223 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 868 |
| | | | | | 20 | 0 | 0 | 868 | 99 | 0 | 0 | 872 |
| | | | | | 99 | 0 | 0 | 872 | 219 | 0 | 0 | 878 |
| | | | | | 219 | 0 | 0 | 878 | 369 | 0 | 0 | 885 |
| | | | | | 369 | 0 | 0 | 885 | 449 | 0 | 0 | 889 |
| 30x20 | 2157 | 2223 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 772 |
| | | | | | 20 | 0 | 0 | 772 | 99 | 0 | 0 | 775 |
| | | | | | 99 | 0 | 0 | 775 | 219 | 0 | 0 | 780 |
| | | | | | 219 | 0 | 0 | 780 | 369 | 0 | 0 | 787 |
| | | | | | 369 | 0 | 0 | 787 | 449 | 0 | 0 | 790 |
| **Trave 205** | | | | | | | | | | | | |
| 30x20 | 2063 | 2114 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 529 | 0 | 0 | 150 |
| 30x20 | 206 | 211 | QP Solai | PolG | 16 | 0 | 0 | 0 | 58 | 0 | 0 | 400 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | | | | | | | | | | |
| | | | | | 58 | 0 | 0 | 400 | 72 | 0 | 0 | 535 |
| | | | | | 72 | 0 | 0 | 535 | 513 | 0 | 0 | 583 |
| 30x20 | 2063 | 2114 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 354 |
| | | | | | 44 | 0 | 0 | 354 | 60 | 0 | 0 | 482 |
| | | | | | 60 | 0 | 0 | 482 | 529 | 0 | 0 | 525 |
| 30x20 | 2063 | 2114 | QV Solai | PolG | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 424 |
| | | | | | 44 | 0 | 0 | 424 | 60 | 0 | 0 | 579 |
| | | | | | 60 | 0 | 0 | 579 | 529 | 0 | 0 | 630 |
| 30x20 | 2063 | 2114 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 424 |
| | | | | | 44 | 0 | 0 | 424 | 60 | 0 | 0 | 579 |
| | | | | | 60 | 0 | 0 | 579 | 529 | 0 | 0 | 630 |
| 30x20 | 2063 | 2114 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 382 |
| | | | | | 44 | 0 | 0 | 382 | 60 | 0 | 0 | 521 |
| | | | | | 60 | 0 | 0 | 521 | 529 | 0 | 0 | 567 |
| 30x20 | 2063 | 2114 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 339 |
| | | | | | 44 | 0 | 0 | 339 | 60 | 0 | 0 | 463 |
| | | | | | 60 | 0 | 0 | 463 | 529 | 0 | 0 | 504 |
| 30x20 | 2114 | 2190 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 833 | 0 | 0 | 150 |
| 30x20 | 2114 | 2190 | QP Solai | PolG | 14 | 0 | 0 | 0 | 26 | 0 | 0 | 588 |
| | | | | | 26 | 0 | 0 | 588 | 818 | 0 | 0 | 674 |
| 30x20 | 2114 | 2190 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 526 |
| | | | | | 12 | 0 | 0 | 526 | 833 | 0 | 0 | 601 |
| 30x20 | 2114 | 2190 | QV Solai | PolG | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 631 |
| | | | | | 12 | 0 | 0 | 631 | 833 | 0 | 0 | 721 |
| 30x20 | 2114 | 2190 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 631 |
| | | | | | 12 | 0 | 0 | 631 | 833 | 0 | 0 | 721 |
| 30x20 | 2114 | 2190 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 568 |
| | | | | | 12 | 0 | 0 | 568 | 833 | 0 | 0 | 649 |
| 30x20 | 2114 | 2190 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 505 |
| | | | | | 12 | 0 | 0 | 505 | 833 | 0 | 0 | 577 |
| 30x20 | 2190 | 2272 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 674 | 0 | 0 | 150 |
| 30x20 | 2190 | 2272 | QP Solai | PolG | 15 | 0 | 0 | 13 | 16 | 0 | 0 | 33 |
| | | | | | 16 | 0 | 0 | 78 | 41 | 0 | 0 | 568 |
| | | | | | 41 | 0 | 0 | 568 | 658 | 0 | 0 | 654 |
| | | | | | 658 | 0 | 0 | 52 | 660 | 0 | 0 | 52 |
| 30x20 | 2190 | 2272 | QFissi Solai | PolG | 0 | 0 | 0 | 68 | 28 | 0 | 0 | 610 |
| | | | | | 28 | 0 | 0 | 610 | 674 | 0 | 0 | 700 |
| 30x20 | 2190 | 2272 | QV Solai | PolG | 0 | 0 | 0 | 72 | 28 | 0 | 0 | 653 |
| | | | | | 28 | 0 | 0 | 653 | 674 | 0 | 0 | 750 |
| 30x20 | 2190 | 2272 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 51 | 28 | 0 | 0 | 457 |
| | | | | | 28 | 0 | 0 | 457 | 674 | 0 | 0 | 525 |
| 30x20 | 2190 | 2272 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 36 | 28 | 0 | 0 | 327 |
| | | | | | 28 | 0 | 0 | 327 | 674 | 0 | 0 | 375 |
| 30x20 | 2190 | 2272 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 22 | 28 | 0 | 0 | 196 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 28 | 0 | 0 | 196 | 674 | 0 | 0 | 225 |
| **Trave 206** | | | | | | | | | | | | |
| 30x20 | 2085 | 2097 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 1309 | 0 | 0 | 150 |
| 30x20 | 2085 | 2097 | QP Solai | PolG | 13 | 0 | 0 | 1456 | 1309 | 0 | 0 | 1568 |
| 30x20 | 2085 | 2097 | QFissi Solai | PolG | 0 | 0 | 0 | 1496 | 1309 | 0 | 0 | 1610 |
| 30x20 | 2085 | 2097 | QV Solai | PolG | 0 | 0 | 0 | 1603 | 1309 | 0 | 0 | 1725 |
| 30x20 | 2085 | 2097 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 1122 | 1309 | 0 | 0 | 1208 |
| 30x20 | 2085 | 2097 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 1122 | 1309 | 0 | 0 | 1208 |
| 30x20 | 2085 | 2097 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 962 | 1309 | 0 | 0 | 1035 |
| 30x20 | 2089 | 2085 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 612 | 0 | 0 | 150 |
| 30x20 | 2089 | 2085 | QP Solai | PolG | 14 | 0 | 0 | 323 | 575 | 0 | 0 | 343 |
| | | | | | 575 | 0 | 0 | 343 | 597 | 0 | 0 | 11 |
| 30x20 | 2089 | 2085 | QFissi Solai | PolG | 0 | 0 | 0 | 132 | 589 | 0 | 0 | 138 |
| | | | | | 589 | 0 | 0 | 138 | 612 | 0 | 0 | 4 |
| 30x20 | 2089 | 2085 | QV Solai | PolG | 0 | 0 | 0 | 133 | 589 | 0 | 0 | 138 |
| | | | | | 589 | 0 | 0 | 138 | 612 | 0 | 0 | 4 |
| 30x20 | 2089 | 2085 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 95 | 589 | 0 | 0 | 97 |
| | | | | | 589 | 0 | 0 | 97 | 612 | 0 | 0 | 3 |
| 30x20 | 2089 | 2085 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 94 | 589 | 0 | 0 | 97 |
| | | | | | 589 | 0 | 0 | 97 | 612 | 0 | 0 | 3 |
| 30x20 | 2089 | 2085 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 81 | 589 | 0 | 0 | 83 |
| | | | | | 589 | 0 | 0 | 83 | 612 | 0 | 0 | 3 |
| 30x20 | 2097 | 2099 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 535 | 0 | 0 | 150 |
| 30x20 | 2097 | 2099 | QP Solai | PolG | 0 | 0 | 0 | 1568 | 15 | 0 | 0 | 1570 |
| | | | | | 15 | 0 | 0 | 1728 | 469 | 0 | 0 | 1784 |
| | | | | | 469 | 0 | 0 | 1784 | 520 | 0 | 0 | 1649 |
| 30x20 | 2097 | 2099 | QFissi Solai | PolG | 0 | 0 | 0 | 1778 | 482 | 0 | 0 | 1837 |
| | | | | | 482 | 0 | 0 | 1837 | 535 | 0 | 0 | 1694 |
| 30x20 | 2097 | 2099 | QV Solai | PolG | 0 | 0 | 0 | 1904 | 482 | 0 | 0 | 1968 |
| | | | | | 482 | 0 | 0 | 1968 | 535 | 0 | 0 | 1815 |
| 30x20 | 2097 | 2099 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 1333 | 482 | 0 | 0 | 1378 |
| | | | | | 482 | 0 | 0 | 1378 | 535 | 0 | 0 | 1271 |
| 30x20 | 2097 | 2099 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 1297 | 482 | 0 | 0 | 1338 |
| | | | | | 482 | 0 | 0 | 1338 | 535 | 0 | 0 | 1263 |
| 30x20 | 2097 | 2099 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 1089 | 482 | 0 | 0 | 1121 |
| | | | | | 482 | 0 | 0 | 1121 | 535 | 0 | 0 | 1077 |
| **Trave 207** | | | | | | | | | | | | |
| 30x20 | 2260 | 2203 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 570 | 0 | 0 | 150 |
| 30x20 | 2260 | 2203 | QP Solai | PolG | 15 | 0 | 0 | 664 | 20 | 0 | 0 | 664 |
| | | | | | 20 | 0 | 0 | 812 | 247 | 0 | 0 | 814 |
| | | | | | 247 | 0 | 0 | 814 | 367 | 0 | 0 | 816 |
| | | | | | 367 | 0 | 0 | 816 | 469 | 0 | 0 | 817 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 469 | 0 | 0 | 817 | 549 | 0 | 0 | 818 |
| | | | | | 549 | 0 | 0 | 818 | 555 | 0 | 0 | 168 |
| 30x20 | 2260 | 2203 | QFissi Solai | PolG | 0 | 0 | 0 | 854 | 248 | 0 | 0 | 857 |
| | | | | | 248 | 0 | 0 | 857 | 368 | 0 | 0 | 858 |
| | | | | | 368 | 0 | 0 | 858 | 470 | 0 | 0 | 860 |
| | | | | | 470 | 0 | 0 | 860 | 564 | 0 | 0 | 861 |
| | | | | | 564 | 0 | 0 | 861 | 570 | 0 | 0 | 177 |
| 30x20 | 2260 | 2203 | QV Solai | PolG | 0 | 0 | 0 | 915 | 248 | 0 | 0 | 918 |
| | | | | | 248 | 0 | 0 | 918 | 368 | 0 | 0 | 920 |
| | | | | | 368 | 0 | 0 | 920 | 470 | 0 | 0 | 921 |
| | | | | | 470 | 0 | 0 | 921 | 564 | 0 | 0 | 922 |
| | | | | | 564 | 0 | 0 | 922 | 570 | 0 | 0 | 190 |
| 30x20 | 2260 | 2203 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 640 | 248 | 0 | 0 | 643 |
| | | | | | 248 | 0 | 0 | 643 | 368 | 0 | 0 | 644 |
| | | | | | 368 | 0 | 0 | 644 | 470 | 0 | 0 | 645 |
| | | | | | 470 | 0 | 0 | 645 | 564 | 0 | 0 | 646 |
| | | | | | 564 | 0 | 0 | 646 | 570 | 0 | 0 | 133 |
| 30x20 | 2260 | 2203 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 457 | 248 | 0 | 0 | 459 |
| | | | | | 248 | 0 | 0 | 459 | 368 | 0 | 0 | 460 |
| | | | | | 368 | 0 | 0 | 460 | 470 | 0 | 0 | 461 |
| | | | | | 470 | 0 | 0 | 461 | 564 | 0 | 0 | 461 |
| | | | | | 564 | 0 | 0 | 461 | 570 | 0 | 0 | 95 |
| 30x20 | 2260 | 2203 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 274 | 248 | 0 | 0 | 275 |
| | | | | | 248 | 0 | 0 | 275 | 470 | 0 | 0 | 276 |
| | | | | | 470 | 0 | 0 | 276 | 564 | 0 | 0 | 277 |
| | | | | | 564 | 0 | 0 | 277 | 570 | 0 | 0 | 57 |
| 30x20 | 2276 | 2260 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 515 | 0 | 0 | 150 |
| 30x20 | 2276 | 2260 | QP Solai | PolG | 14 | 0 | 0 | 627 | 499 | 0 | 0 | 985 |
| 30x20 | 2276 | 2260 | QFissi Solai | PolG | 0 | 0 | 0 | 653 | 515 | 0 | 0 | 1032 |
| 30x20 | 2276 | 2260 | QV Solai | PolG | 0 | 0 | 0 | 699 | 515 | 0 | 0 | 1106 |
| 30x20 | 2276 | 2260 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 490 | 515 | 0 | 0 | 774 |
| 30x20 | 2276 | 2260 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 350 | 515 | 0 | 0 | 553 |
| 30x20 | 2276 | 2260 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 210 | 515 | 0 | 0 | 332 |
| **Trave 208** | | | | | | | | | | | | |
| 30x20 | 2256 | 2251 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 372 | 0 | 0 | 150 |
| 30x20 | 2256 | 2251 | QP Solai | PolG | 0 | 0 | 0 | 146 | 32 | 0 | 0 | 146 |
| | | | | | 32 | 0 | 0 | 146 | 345 | 0 | 0 | 0 |
| 30x20 | 2256 | 2251 | QFissi Solai | PolG | 0 | 0 | 0 | 155 | 40 | 0 | 0 | 155 |
| | | | | | 40 | 0 | 0 | 155 | 372 | 0 | 0 | 0 |
| 30x20 | 2256 | 2251 | QV Solai | PolG | 0 | 0 | 0 | 166 | 40 | 0 | 0 | 166 |
| | | | | | 40 | 0 | 0 | 166 | 372 | 0 | 0 | 0 |
| 30x20 | 2256 | 2251 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 116 | 40 | 0 | 0 | 116 |
| | | | | | 40 | 0 | 0 | 116 | 372 | 0 | 0 | 0 |
| 30x20 | 2256 | 2251 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 83 | 40 | 0 | 0 | 83 |
| | | | | | 40 | 0 | 0 | 83 | 372 | 0 | 0 | 0 |
| 30x20 | 225 | 225 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 50 | 40 | 0 | 0 | 50 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 1 | | | | | | | | | | |
| | | | | | 40 | 0 | 0 | 50 | 372 | 0 | 0 | 0 |
| 30x20 | 2260 | 2256 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 557 | 0 | 0 | 150 |
| 30x20 | 2260 | 2256 | QP Solai | PolG | 15 | 0 | 0 | 32 | 27 | 0 | 0 | 658 |
| | | | | | 27 | 0 | 0 | 658 | 48 | 0 | 0 | 749 |
| | | | | | 48 | 0 | 0 | 749 | 543 | 0 | 0 | 752 |
| | | | | | 543 | 0 | 0 | 146 | 557 | 0 | 0 | 146 |
| 30x20 | 2260 | 2256 | QFissi Solai | PolG | 0 | 0 | 0 | 10 | 12 | 0 | 0 | 697 |
| | | | | | 12 | 0 | 0 | 697 | 34 | 0 | 0 | 791 |
| | | | | | 34 | 0 | 0 | 791 | 557 | 0 | 0 | 795 |
| 30x20 | 2260 | 2256 | QV Solai | PolG | 0 | 0 | 0 | 10 | 12 | 0 | 0 | 747 |
| | | | | | 12 | 0 | 0 | 747 | 34 | 0 | 0 | 848 |
| | | | | | 34 | 0 | 0 | 848 | 557 | 0 | 0 | 851 |
| 30x20 | 2260 | 2256 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 7 | 12 | 0 | 0 | 523 |
| | | | | | 12 | 0 | 0 | 523 | 34 | 0 | 0 | 593 |
| | | | | | 34 | 0 | 0 | 593 | 557 | 0 | 0 | 596 |
| 30x20 | 2260 | 2256 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 5 | 12 | 0 | 0 | 373 |
| | | | | | 12 | 0 | 0 | 373 | 34 | 0 | 0 | 424 |
| | | | | | 34 | 0 | 0 | 424 | 557 | 0 | 0 | 426 |
| 30x20 | 2260 | 2256 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 3 | 12 | 0 | 0 | 224 |
| | | | | | 12 | 0 | 0 | 224 | 34 | 0 | 0 | 254 |
| | | | | | 34 | 0 | 0 | 254 | 557 | 0 | 0 | 255 |
| 30x20 | 2262 | 2260 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 621 | 0 | 0 | 150 |
| 30x20 | 2262 | 2260 | QP Solai | PolG | 16 | 0 | 0 | 0 | 25 | 0 | 0 | 67 |
| | | | | | 25 | 0 | 0 | 0 | 36 | 0 | 0 | 0 |
| | | | | | 36 | 0 | 0 | 151 | 606 | 0 | 0 | 157 |
| 30x20 | 2262 | 2260 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 71 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 160 | 621 | 0 | 0 | 166 |
| 30x20 | 2262 | 2260 | QV Solai | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 76 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 171 | 621 | 0 | 0 | 178 |
| 30x20 | 2262 | 2260 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 53 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 120 | 621 | 0 | 0 | 124 |
| 30x20 | 2262 | 2260 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 38 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 86 | 621 | 0 | 0 | 89 |
| 30x20 | 2262 | 2260 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 23 |
| | | | | | 10 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 51 | 621 | 0 | 0 | 53 |
| 30x20 | 2265 | 2262 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 929 | 0 | 0 | 150 |
| 30x20 | 2265 | 2262 | QP Solai | PolG | 16 | 0 | 0 | 0 | 39 | 0 | 0 | 305 |
| | | | | | 39 | 0 | 0 | 305 | 48 | 0 | 0 | 439 |
| | | | | | 48 | 0 | 0 | 0 | 55 | 0 | 0 | 0 |
| | | | | | 55 | 0 | 0 | 529 | 101 | 0 | 0 | 527 |
| | | | | | 101 | 0 | 0 | 527 | 246 | 0 | 0 | 523 |
| | | | | | 246 | 0 | 0 | 523 | 287 | 0 | 0 | 521 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 287 | 0 | 0 | 521 | 710 | 0 | 0 | 508 |
| | | | | | 710 | 0 | 0 | 508 | 830 | 0 | 0 | 504 |
| | | | | | 830 | 0 | 0 | 504 | 915 | 0 | 0 | 502 |
| 30x20 | 2265 | 2262 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 324 |
| | | | | | 23 | 0 | 0 | 324 | 33 | 0 | 0 | 457 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 563 | 101 | 0 | 0 | 561 |
| | | | | | 101 | 0 | 0 | 561 | 246 | 0 | 0 | 556 |
| | | | | | 246 | 0 | 0 | 556 | 288 | 0 | 0 | 555 |
| | | | | | 288 | 0 | 0 | 555 | 711 | 0 | 0 | 542 |
| | | | | | 711 | 0 | 0 | 542 | 831 | 0 | 0 | 538 |
| | | | | | 831 | 0 | 0 | 538 | 929 | 0 | 0 | 535 |
| 30x20 | 2265 | 2262 | QV Solai | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 347 |
| | | | | | 23 | 0 | 0 | 347 | 33 | 0 | 0 | 490 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 603 | 101 | 0 | 0 | 601 |
| | | | | | 101 | 0 | 0 | 601 | 246 | 0 | 0 | 596 |
| | | | | | 246 | 0 | 0 | 596 | 288 | 0 | 0 | 595 |
| | | | | | 288 | 0 | 0 | 595 | 711 | 0 | 0 | 581 |
| | | | | | 711 | 0 | 0 | 581 | 831 | 0 | 0 | 577 |
| | | | | | 831 | 0 | 0 | 577 | 929 | 0 | 0 | 573 |
| 30x20 | 2265 | 2262 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 243 |
| | | | | | 23 | 0 | 0 | 243 | 33 | 0 | 0 | 343 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 422 | 101 | 0 | 0 | 421 |
| | | | | | 101 | 0 | 0 | 421 | 246 | 0 | 0 | 417 |
| | | | | | 246 | 0 | 0 | 417 | 288 | 0 | 0 | 416 |
| | | | | | 288 | 0 | 0 | 416 | 711 | 0 | 0 | 406 |
| | | | | | 711 | 0 | 0 | 406 | 831 | 0 | 0 | 404 |
| | | | | | 831 | 0 | 0 | 404 | 929 | 0 | 0 | 401 |
| 30x20 | 2265 | 2262 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 173 |
| | | | | | 23 | 0 | 0 | 173 | 33 | 0 | 0 | 245 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 301 | 101 | 0 | 0 | 300 |
| | | | | | 101 | 0 | 0 | 300 | 246 | 0 | 0 | 298 |
| | | | | | 246 | 0 | 0 | 298 | 288 | 0 | 0 | 297 |
| | | | | | 288 | 0 | 0 | 297 | 711 | 0 | 0 | 290 |
| | | | | | 711 | 0 | 0 | 290 | 831 | 0 | 0 | 288 |
| | | | | | 831 | 0 | 0 | 288 | 929 | 0 | 0 | 287 |
| 30x20 | 2265 | 2262 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 104 |
| | | | | | 23 | 0 | 0 | 104 | 33 | 0 | 0 | 147 |
| | | | | | 33 | 0 | 0 | 0 | 41 | 0 | 0 | 0 |
| | | | | | 41 | 0 | 0 | 181 | 101 | 0 | 0 | 180 |
| | | | | | 101 | 0 | 0 | 180 | 246 | 0 | 0 | 179 |
| | | | | | 246 | 0 | 0 | 179 | 288 | 0 | 0 | 178 |
| | | | | | 288 | 0 | 0 | 178 | 711 | 0 | 0 | 174 |
| | | | | | 711 | 0 | 0 | 174 | 831 | 0 | 0 | 173 |
| | | | | | 831 | 0 | 0 | 173 | 929 | 0 | 0 | 172 |
| 30x20 | 2266 | 2265 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 672 | 0 | 0 | 150 |
| 30x20 | 2266 | 2265 | QP Solai | PolG | 15 | 0 | 0 | 730 | 658 | 0 | 0 | 739 |
| 30x20 | 2266 | 2265 | QFissi Solai | PolG | 0 | 0 | 0 | 764 | 672 | 0 | 0 | 773 |
| 30x20 | 2266 | 2265 | QV Solai | PolG | 0 | 0 | 0 | 818 | 672 | 0 | 0 | 828 |
| 30x20 | 2266 | 2265 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 573 | 672 | 0 | 0 | 580 |
| 30x20 | 226 | 226 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 409 | 672 | 0 | 0 | 414 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | | | | | | | | | | |
| 30x20 | 2266 | 2265 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 246 | 672 | 0 | 0 | 248 |
| 30x20 | 2268 | 2266 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 733 | 0 | 0 | 150 |
| 30x20 | 2268 | 2266 | QP Solai | PolG | 14 | 0 | 0 | 722 | 718 | 0 | 0 | 732 |
| 30x20 | 2268 | 2266 | QFissi Solai | PolG | 0 | 0 | 0 | 756 | 733 | 0 | 0 | 766 |
| 30x20 | 2268 | 2266 | QV Solai | PolG | 0 | 0 | 0 | 810 | 733 | 0 | 0 | 820 |
| 30x20 | 2268 | 2266 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 567 | 733 | 0 | 0 | 574 |
| 30x20 | 2268 | 2266 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 405 | 733 | 0 | 0 | 410 |
| 30x20 | 2268 | 2266 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 243 | 733 | 0 | 0 | 246 |
| 30x20 | 2272 | 2268 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 186 | 0 | 0 | 150 |
| 30x20 | 2272 | 2268 | QP Solai | PolG | 14 | 0 | 0 | 720 | 129 | 0 | 0 | 722 |
| | | | | | 129 | 0 | 0 | 722 | 170 | 0 | 0 | 0 |
| 30x20 | 2272 | 2268 | QFissi Solai | PolG | 0 | 0 | 0 | 754 | 143 | 0 | 0 | 756 |
| | | | | | 143 | 0 | 0 | 756 | 186 | 0 | 0 | 0 |
| 30x20 | 2272 | 2268 | QV Solai | PolG | 0 | 0 | 0 | 807 | 143 | 0 | 0 | 810 |
| | | | | | 143 | 0 | 0 | 810 | 186 | 0 | 0 | 1 |
| 30x20 | 2272 | 2268 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 565 | 143 | 0 | 0 | 567 |
| | | | | | 143 | 0 | 0 | 567 | 186 | 0 | 0 | 0 |
| 30x20 | 2272 | 2268 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 404 | 143 | 0 | 0 | 405 |
| | | | | | 143 | 0 | 0 | 405 | 186 | 0 | 0 | 0 |
| 30x20 | 2272 | 2268 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 242 | 143 | 0 | 0 | 243 |
| | | | | | 143 | 0 | 0 | 243 | 186 | 0 | 0 | 0 |
| 30x20 | 2274 | 2272 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 531 | 0 | 0 | 150 |
| 30x20 | 2274 | 2272 | QP Solai | PolG | 15 | 0 | 0 | 173 | 468 | 0 | 0 | 184 |
| | | | | | 468 | 0 | 0 | 184 | 515 | 0 | 0 | 5 |
| 30x20 | 2274 | 2272 | QFissi Solai | PolG | 0 | 0 | 0 | 182 | 482 | 0 | 0 | 193 |
| | | | | | 482 | 0 | 0 | 193 | 531 | 0 | 0 | 6 |
| 30x20 | 2274 | 2272 | QV Solai | PolG | 0 | 0 | 0 | 195 | 482 | 0 | 0 | 207 |
| | | | | | 482 | 0 | 0 | 207 | 531 | 0 | 0 | 6 |
| 30x20 | 2274 | 2272 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 136 | 482 | 0 | 0 | 145 |
| | | | | | 482 | 0 | 0 | 145 | 531 | 0 | 0 | 4 |
| 30x20 | 2274 | 2272 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 97 | 482 | 0 | 0 | 104 |
| | | | | | 482 | 0 | 0 | 104 | 531 | 0 | 0 | 3 |
| 30x20 | 2274 | 2272 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 58 | 482 | 0 | 0 | 62 |
| | | | | | 482 | 0 | 0 | 62 | 531 | 0 | 0 | 2 |
| **Trave 209** | | | | | | | | | | | | |
| 30x20 | 2029 | 2020 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 603 | 0 | 0 | 150 |
| 30x20 | 2029 | 2020 | QP Solai | PolG | 17 | 0 | 0 | 0 | 588 | 0 | 0 | 44 |
| 30x20 | 2029 | 2020 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 603 | 0 | 0 | 39 |
| 30x20 | 202 | 202 | QV Solai | PolG | 0 | 0 | 0 | 0 | 603 | 0 | 0 | 46 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 0 | | | | | | | | | | |
| 30x20 | 2029 | 2020 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 603 | 0 | 0 | 46 |
| 30x20 | 2029 | 2020 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 603 | 0 | 0 | 42 |
| 30x20 | 2029 | 2020 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 603 | 0 | 0 | 37 |
| **Trave 210** | | | | | | | | | | | | |
| 30x20 | 2161 | 2157 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 644 | 0 | 0 | 150 |
| 30x20 | 2161 | 2157 | QP Solai | PolG | 15 | 0 | 0 | 29 | 628 | 0 | 0 | 29 |
| | | | | | 628 | 0 | 0 | 0 | 629 | 0 | 0 | 0 |
| 30x20 | 2161 | 2157 | QFissi Solai | PolG | 0 | 0 | 0 | 25 | 644 | 0 | 0 | 25 |
| 30x20 | 2161 | 2157 | QV Solai | PolG | 0 | 0 | 0 | 30 | 644 | 0 | 0 | 30 |
| 30x20 | 2161 | 2157 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 30 | 644 | 0 | 0 | 30 |
| 30x20 | 2161 | 2157 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 27 | 644 | 0 | 0 | 27 |
| 30x20 | 2161 | 2157 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 24 | 644 | 0 | 0 | 24 |
| **Trave 211** | | | | | | | | | | | | |
| 30x20 | 2002 | 2006 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 615 | 0 | 0 | 150 |
| 30x20 | 2002 | 2006 | QP Solai | PolG | 15 | 0 | 0 | 893 | 567 | 0 | 0 | 881 |
| | | | | | 567 | 0 | 0 | 855 | 575 | 0 | 0 | 675 |
| | | | | | 575 | 0 | 0 | 644 | 600 | 0 | 0 | 0 |
| 30x20 | 2002 | 2006 | QFissi Solai | PolG | 0 | 0 | 0 | 782 | 581 | 0 | 0 | 771 |
| | | | | | 581 | 0 | 0 | 731 | 589 | 0 | 0 | 581 |
| | | | | | 589 | 0 | 0 | 555 | 615 | 0 | 0 | 0 |
| 30x20 | 2002 | 2006 | QV Solai | PolG | 0 | 0 | 0 | 938 | 581 | 0 | 0 | 925 |
| | | | | | 581 | 0 | 0 | 878 | 589 | 0 | 0 | 698 |
| | | | | | 589 | 0 | 0 | 666 | 615 | 0 | 0 | 0 |
| 30x20 | 2002 | 2006 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 938 | 581 | 0 | 0 | 925 |
| | | | | | 581 | 0 | 0 | 878 | 589 | 0 | 0 | 698 |
| | | | | | 589 | 0 | 0 | 666 | 615 | 0 | 0 | 0 |
| 30x20 | 2002 | 2006 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 844 | 581 | 0 | 0 | 833 |
| | | | | | 581 | 0 | 0 | 790 | 589 | 0 | 0 | 628 |
| | | | | | 589 | 0 | 0 | 600 | 615 | 0 | 0 | 0 |
| 30x20 | 2002 | 2006 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 751 | 581 | 0 | 0 | 740 |
| | | | | | 581 | 0 | 0 | 702 | 589 | 0 | 0 | 558 |
| | | | | | 589 | 0 | 0 | 533 | 615 | 0 | 0 | 0 |
| 30x20 | 2006 | 2007 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 552 | 0 | 0 | 150 |
| 30x20 | 2006 | 2007 | QP Solai | PolG | 15 | 0 | 0 | 0 | 538 | 0 | 0 | 42 |
| 30x20 | 2006 | 2007 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 552 | 0 | 0 | 37 |
| 30x20 | 2006 | 2007 | QV Solai | PolG | 0 | 0 | 0 | 0 | 552 | 0 | 0 | 44 |
| 30x20 | 2006 | 2007 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 552 | 0 | 0 | 44 |
| 30x20 | 2006 | 2007 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 552 | 0 | 0 | 40 |
| 30x20 | 2006 | 2007 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 552 | 0 | 0 | 36 |
| 30x20 | 200 | 200 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 560 | 0 | 0 | 150 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 9 | | | | | | | | | | |
| 30x20 | 2007 | 2009 | QP Solai | PolG | 19 | 0 | 0 | 0 | 44 | 0 | 0 | 627 |
| | | | | | 44 | 0 | 0 | 627 | 52 | 0 | 0 | 824 |
| | | | | | 52 | 0 | 0 | 824 | 510 | 0 | 0 | 826 |
| | | | | | 510 | 0 | 0 | 826 | 546 | 0 | 0 | 0 |
| 30x20 | 2007 | 2009 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 545 |
| | | | | | 27 | 0 | 0 | 545 | 36 | 0 | 0 | 724 |
| | | | | | 36 | 0 | 0 | 724 | 522 | 0 | 0 | 726 |
| | | | | | 522 | 0 | 0 | 726 | 560 | 0 | 0 | 0 |
| 30x20 | 2007 | 2009 | QV Solai | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 654 |
| | | | | | 27 | 0 | 0 | 654 | 36 | 0 | 0 | 869 |
| | | | | | 36 | 0 | 0 | 869 | 522 | 0 | 0 | 871 |
| | | | | | 522 | 0 | 0 | 871 | 560 | 0 | 0 | 0 |
| 30x20 | 2007 | 2009 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 654 |
| | | | | | 27 | 0 | 0 | 654 | 36 | 0 | 0 | 869 |
| | | | | | 36 | 0 | 0 | 869 | 522 | 0 | 0 | 871 |
| | | | | | 522 | 0 | 0 | 871 | 560 | 0 | 0 | 0 |
| 30x20 | 2007 | 2009 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 588 |
| | | | | | 27 | 0 | 0 | 588 | 36 | 0 | 0 | 782 |
| | | | | | 36 | 0 | 0 | 782 | 522 | 0 | 0 | 784 |
| | | | | | 522 | 0 | 0 | 784 | 560 | 0 | 0 | 0 |
| 30x20 | 2007 | 2009 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 523 |
| | | | | | 27 | 0 | 0 | 523 | 36 | 0 | 0 | 695 |
| | | | | | 36 | 0 | 0 | 695 | 522 | 0 | 0 | 697 |
| | | | | | 522 | 0 | 0 | 697 | 560 | 0 | 0 | 0 |
| 30x20 | 2009 | 2017 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 977 | 0 | 0 | 150 |
| 30x20 | 2009 | 2017 | QP Solai | PolG | 16 | 0 | 0 | 826 | 977 | 0 | 0 | 830 |
| 30x20 | 2009 | 2017 | QFissi Solai | PolG | 0 | 0 | 0 | 726 | 977 | 0 | 0 | 729 |
| 30x20 | 2009 | 2017 | QV Solai | PolG | 0 | 0 | 0 | 871 | 977 | 0 | 0 | 875 |
| 30x20 | 2009 | 2017 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 871 | 977 | 0 | 0 | 875 |
| 30x20 | 2009 | 2017 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 784 | 977 | 0 | 0 | 787 |
| 30x20 | 2009 | 2017 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 697 | 977 | 0 | 0 | 700 |
| **Trave 212** | | | | | | | | | | | | |
| 30x20 | 2139 | 2145 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 530 | 0 | 0 | 150 |
| 30x20 | 2139 | 2145 | QP Solai | PolG | 13 | 0 | 0 | 176 | 467 | 0 | 0 | 161 |
| | | | | | 467 | 0 | 0 | 161 | 513 | 0 | 0 | 0 |
| 30x20 | 2139 | 2145 | QFissi Solai | PolG | 0 | 0 | 0 | 186 | 481 | 0 | 0 | 170 |
| | | | | | 481 | 0 | 0 | 170 | 530 | 0 | 0 | 0 |
| 30x20 | 2139 | 2145 | QV Solai | PolG | 0 | 0 | 0 | 199 | 481 | 0 | 0 | 183 |
| | | | | | 481 | 0 | 0 | 183 | 530 | 0 | 0 | 0 |
| 30x20 | 2139 | 2145 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 139 | 481 | 0 | 0 | 128 |
| | | | | | 481 | 0 | 0 | 128 | 530 | 0 | 0 | 0 |
| 30x20 | 2139 | 2145 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 99 | 481 | 0 | 0 | 91 |
| | | | | | 481 | 0 | 0 | 91 | 530 | 0 | 0 | 0 |
| 30x20 | 213 | 214 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 60 | 481 | 0 | 0 | 55 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 5 | | | | | | | | | | |
| | | | | | 481 | 0 | 0 | 55 | 530 | 0 | 0 | 0 |
| 30x20 | 2145 | 2147 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 69 | 0 | 0 | 150 |
| **Trave 213** | | | | | | | | | | | | |
| 30x20 | 2072 | 2121 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 479 | 0 | 0 | 150 |
| 30x20 | 2072 | 2121 | QP Solai | PolG | 13 | 0 | 0 | 537 | 453 | 0 | 0 | 585 |
| | | | | | 453 | 0 | 0 | 585 | 464 | 0 | 0 | 0 |
| 30x20 | 2072 | 2121 | QFissi Solai | PolG | 0 | 0 | 0 | 484 | 467 | 0 | 0 | 526 |
| | | | | | 467 | 0 | 0 | 526 | 479 | 0 | 0 | 0 |
| 30x20 | 2072 | 2121 | QV Solai | PolG | 0 | 0 | 0 | 580 | 467 | 0 | 0 | 632 |
| | | | | | 467 | 0 | 0 | 632 | 479 | 0 | 0 | 0 |
| 30x20 | 2072 | 2121 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 580 | 467 | 0 | 0 | 632 |
| | | | | | 467 | 0 | 0 | 632 | 479 | 0 | 0 | 0 |
| 30x20 | 2072 | 2121 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 522 | 467 | 0 | 0 | 568 |
| | | | | | 467 | 0 | 0 | 568 | 479 | 0 | 0 | 0 |
| 30x20 | 2072 | 2121 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 464 | 467 | 0 | 0 | 505 |
| | | | | | 467 | 0 | 0 | 505 | 479 | 0 | 0 | 0 |
| 30x20 | 2121 | 2195 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 847 | 0 | 0 | 150 |
| 30x20 | 2121 | 2195 | QP Solai | PolG | 15 | 0 | 0 | 589 | 805 | 0 | 0 | 676 |
| | | | | | 805 | 0 | 0 | 676 | 831 | 0 | 0 | 0 |
| 30x20 | 2121 | 2195 | QFissi Solai | PolG | 0 | 0 | 0 | 527 | 819 | 0 | 0 | 602 |
| | | | | | 819 | 0 | 0 | 602 | 847 | 0 | 0 | 0 |
| 30x20 | 2121 | 2195 | QV Solai | PolG | 0 | 0 | 0 | 633 | 819 | 0 | 0 | 723 |
| | | | | | 819 | 0 | 0 | 723 | 847 | 0 | 0 | 0 |
| 30x20 | 2121 | 2195 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 633 | 819 | 0 | 0 | 723 |
| | | | | | 819 | 0 | 0 | 723 | 847 | 0 | 0 | 0 |
| 30x20 | 2121 | 2195 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 570 | 819 | 0 | 0 | 650 |
| | | | | | 819 | 0 | 0 | 650 | 847 | 0 | 0 | 0 |
| 30x20 | 2121 | 2195 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 506 | 819 | 0 | 0 | 578 |
| | | | | | 819 | 0 | 0 | 578 | 847 | 0 | 0 | 0 |
| 30x20 | 2195 | 2274 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 649 | 0 | 0 | 150 |
| 30x20 | 2195 | 2274 | QP Solai | PolG | 14 | 0 | 0 | 509 | 629 | 0 | 0 | 560 |
| 30x20 | 2195 | 2274 | QFissi Solai | PolG | 0 | 0 | 0 | 542 | 649 | 0 | 0 | 594 |
| 30x20 | 2195 | 2274 | QV Solai | PolG | 0 | 0 | 0 | 581 | 649 | 0 | 0 | 637 |
| 30x20 | 2195 | 2274 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 406 | 649 | 0 | 0 | 446 |
| 30x20 | 2195 | 2274 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 290 | 649 | 0 | 0 | 318 |
| 30x20 | 2195 | 2274 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 174 | 649 | 0 | 0 | 191 |
| **Trave 214** | | | | | | | | | | | | |
| 30x20 | 2277 | 2276 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 563 | 0 | 0 | 150 |
| 30x20 | 2277 | 2276 | QP Solai | PolG | 9 | 0 | 0 | 143 | 40 | 0 | 0 | 144 |
| | | | | | 40 | 0 | 0 | 144 | 549 | 0 | 0 | 159 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 2277 | 2276 | QFissi Solai | PolG | 0 | 0 | 0 | 151 | 40 | 0 | 0 | 153 |
| | | | | | 40 | 0 | 0 | 153 | 563 | 0 | 0 | 169 |
| 30x20 | 2277 | 2276 | QV Solai | PolG | 0 | 0 | 0 | 162 | 40 | 0 | 0 | 163 |
| | | | | | 40 | 0 | 0 | 163 | 563 | 0 | 0 | 181 |
| 30x20 | 2277 | 2276 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 114 | 40 | 0 | 0 | 114 |
| | | | | | 40 | 0 | 0 | 114 | 563 | 0 | 0 | 126 |
| 30x20 | 2277 | 2276 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 81 | 40 | 0 | 0 | 82 |
| | | | | | 40 | 0 | 0 | 82 | 563 | 0 | 0 | 90 |
| 30x20 | 2277 | 2276 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 49 | 40 | 0 | 0 | 49 |
| | | | | | 40 | 0 | 0 | 49 | 563 | 0 | 0 | 54 |
| **Trave 215** | | | | | | | | | | | | |
| 30x20 | 2218 | 2178 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 188 | 0 | 0 | 150 |
| 30x20 | 2218 | 2178 | QP Solai | PolG | 0 | 0 | 0 | 206 | 158 | 0 | 0 | 195 |
| | | | | | 158 | 0 | 0 | 195 | 171 | 0 | 0 | 0 |
| 30x20 | 2218 | 2178 | QFissi Solai | PolG | 0 | 0 | 0 | 216 | 174 | 0 | 0 | 204 |
| | | | | | 174 | 0 | 0 | 204 | 188 | 0 | 0 | 0 |
| 30x20 | 2218 | 2178 | QV Solai | PolG | 0 | 0 | 0 | 231 | 174 | 0 | 0 | 219 |
| | | | | | 174 | 0 | 0 | 219 | 188 | 0 | 0 | 0 |
| 30x20 | 2218 | 2178 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 162 | 174 | 0 | 0 | 153 |
| | | | | | 174 | 0 | 0 | 153 | 188 | 0 | 0 | 0 |
| 30x20 | 2218 | 2178 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 116 | 174 | 0 | 0 | 109 |
| | | | | | 174 | 0 | 0 | 109 | 188 | 0 | 0 | 0 |
| 30x20 | 2218 | 2178 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 69 | 174 | 0 | 0 | 66 |
| | | | | | 174 | 0 | 0 | 66 | 188 | 0 | 0 | 0 |
| 30x20 | 2234 | 2218 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 94 | 0 | 0 | 150 |
| 30x20 | 2234 | 2218 | QP Solai | PolG | 0 | 0 | 0 | 493 | 62 | 0 | 0 | 494 |
| | | | | | 62 | 0 | 0 | 494 | 64 | 0 | 0 | 466 |
| | | | | | 64 | 0 | 0 | 466 | 67 | 0 | 0 | 432 |
| | | | | | 67 | 0 | 0 | 432 | 75 | 0 | 0 | 314 |
| | | | | | 75 | 0 | 0 | 302 | 80 | 0 | 0 | 262 |
| | | | | | 80 | 0 | 0 | 207 | 94 | 0 | 0 | 206 |
| 30x20 | 2234 | 2218 | QFissi Solai | PolG | 0 | 0 | 0 | 513 | 75 | 0 | 0 | 514 |
| | | | | | 75 | 0 | 0 | 514 | 78 | 0 | 0 | 481 |
| | | | | | 78 | 0 | 0 | 481 | 80 | 0 | 0 | 448 |
| | | | | | 80 | 0 | 0 | 448 | 89 | 0 | 0 | 330 |
| | | | | | 89 | 0 | 0 | 318 | 93 | 0 | 0 | 278 |
| | | | | | 93 | 0 | 0 | 261 | 94 | 0 | 0 | 261 |
| 30x20 | 2234 | 2218 | QV Solai | PolG | 0 | 0 | 0 | 550 | 75 | 0 | 0 | 551 |
| | | | | | 75 | 0 | 0 | 551 | 78 | 0 | 0 | 516 |
| | | | | | 78 | 0 | 0 | 516 | 80 | 0 | 0 | 480 |
| | | | | | 80 | 0 | 0 | 480 | 89 | 0 | 0 | 353 |
| | | | | | 89 | 0 | 0 | 341 | 93 | 0 | 0 | 297 |
| | | | | | 93 | 0 | 0 | 279 | 94 | 0 | 0 | 279 |
| 30x20 | 2234 | 2218 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 385 | 75 | 0 | 0 | 385 |
| | | | | | 75 | 0 | 0 | 385 | 78 | 0 | 0 | 361 |
| | | | | | 78 | 0 | 0 | 361 | 80 | 0 | 0 | 336 |
| | | | | | 80 | 0 | 0 | 336 | 89 | 0 | 0 | 247 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 89 | 0 | 0 | 239 | 93 | 0 | 0 | 208 |
| | | | | | 93 | 0 | 0 | 196 | 94 | 0 | 0 | 196 |
| 30x20 | 2234 | 2218 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 275 | 75 | 0 | 0 | 275 |
| | | | | | 75 | 0 | 0 | 275 | 78 | 0 | 0 | 258 |
| | | | | | 78 | 0 | 0 | 258 | 80 | 0 | 0 | 240 |
| | | | | | 80 | 0 | 0 | 240 | 89 | 0 | 0 | 177 |
| | | | | | 89 | 0 | 0 | 170 | 93 | 0 | 0 | 149 |
| | | | | | 93 | 0 | 0 | 140 | 94 | 0 | 0 | 140 |
| 30x20 | 2234 | 2218 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 165 | 75 | 0 | 0 | 165 |
| | | | | | 75 | 0 | 0 | 165 | 78 | 0 | 0 | 155 |
| | | | | | 78 | 0 | 0 | 155 | 80 | 0 | 0 | 144 |
| | | | | | 80 | 0 | 0 | 144 | 89 | 0 | 0 | 106 |
| | | | | | 89 | 0 | 0 | 102 | 93 | 0 | 0 | 89 |
| | | | | | 93 | 0 | 0 | 84 | 94 | 0 | 0 | 84 |
| 30x20 | 2241 | 2234 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2241 | 2234 | QP Solai | PolG | 0 | 0 | 0 | 492 | 95 | 0 | 0 | 493 |
| | | | | | 95 | 0 | 0 | 493 | 120 | 0 | 0 | 494 |
| 30x20 | 2241 | 2234 | QFissi Solai | PolG | 0 | 0 | 0 | 512 | 94 | 0 | 0 | 513 |
| | | | | | 94 | 0 | 0 | 513 | 120 | 0 | 0 | 513 |
| 30x20 | 2241 | 2234 | QV Solai | PolG | 0 | 0 | 0 | 549 | 94 | 0 | 0 | 550 |
| | | | | | 94 | 0 | 0 | 550 | 120 | 0 | 0 | 550 |
| 30x20 | 2241 | 2234 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 384 | 120 | 0 | 0 | 385 |
| 30x20 | 2241 | 2234 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 274 | 120 | 0 | 0 | 275 |
| 30x20 | 2241 | 2234 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 165 | 120 | 0 | 0 | 165 |
| 30x20 | 2265 | 2241 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 290 | 0 | 0 | 150 |
| 30x20 | 2265 | 2241 | QP Solai | PolG | 14 | 0 | 0 | 239 | 16 | 0 | 0 | 239 |
| | | | | | 16 | 0 | 0 | 239 | 25 | 0 | 0 | 490 |
| | | | | | 25 | 0 | 0 | 490 | 265 | 0 | 0 | 492 |
| | | | | | 265 | 0 | 0 | 492 | 290 | 0 | 0 | 492 |
| 30x20 | 2265 | 2241 | QFissi Solai | PolG | 0 | 0 | 0 | 250 | 9 | 0 | 0 | 509 |
| | | | | | 9 | 0 | 0 | 509 | 263 | 0 | 0 | 512 |
| | | | | | 263 | 0 | 0 | 512 | 290 | 0 | 0 | 512 |
| 30x20 | 2265 | 2241 | QV Solai | PolG | 0 | 0 | 0 | 268 | 9 | 0 | 0 | 545 |
| | | | | | 9 | 0 | 0 | 545 | 263 | 0 | 0 | 548 |
| | | | | | 263 | 0 | 0 | 548 | 290 | 0 | 0 | 549 |
| 30x20 | 2265 | 2241 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 187 | 9 | 0 | 0 | 382 |
| | | | | | 9 | 0 | 0 | 382 | 263 | 0 | 0 | 384 |
| | | | | | 263 | 0 | 0 | 384 | 290 | 0 | 0 | 384 |
| 30x20 | 2265 | 2241 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 134 | 9 | 0 | 0 | 273 |
| | | | | | 9 | 0 | 0 | 273 | 263 | 0 | 0 | 274 |
| | | | | | 263 | 0 | 0 | 274 | 290 | 0 | 0 | 274 |
| 30x20 | 2265 | 2241 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 80 | 9 | 0 | 0 | 164 |
| | | | | | 9 | 0 | 0 | 164 | 290 | 0 | 0 | 165 |
| **Trave 216** | | | | | | | | | | | | |
| 30x20 | 2097 | 2145 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 603 | 0 | 0 | 150 |
| 30x20 | 2097 | 2145 | QP Solai | PolG | 15 | 0 | 0 | 13 | 46 | 0 | 0 | 577 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 46 | 0 | 0 | 577 | 556 | 0 | 0 | 555 |
| | | | | | 556 | 0 | 0 | 555 | 586 | 0 | 0 | 0 |
| 30x20 | 2097 | 2145 | QFissi Solai | PolG | 0 | 0 | 0 | 13 | 33 | 0 | 0 | 612 |
| | | | | | 33 | 0 | 0 | 612 | 572 | 0 | 0 | 589 |
| | | | | | 572 | 0 | 0 | 589 | 603 | 0 | 0 | 0 |
| 30x20 | 2097 | 2145 | QV Solai | PolG | 0 | 0 | 0 | 14 | 33 | 0 | 0 | 655 |
| | | | | | 33 | 0 | 0 | 655 | 572 | 0 | 0 | 631 |
| | | | | | 572 | 0 | 0 | 631 | 603 | 0 | 0 | 0 |
| 30x20 | 2097 | 2145 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 10 | 33 | 0 | 0 | 459 |
| | | | | | 33 | 0 | 0 | 459 | 572 | 0 | 0 | 441 |
| | | | | | 572 | 0 | 0 | 441 | 603 | 0 | 0 | 0 |
| 30x20 | 2097 | 2145 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 7 | 33 | 0 | 0 | 328 |
| | | | | | 33 | 0 | 0 | 328 | 572 | 0 | 0 | 315 |
| | | | | | 572 | 0 | 0 | 315 | 603 | 0 | 0 | 0 |
| 30x20 | 2097 | 2145 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 4 | 33 | 0 | 0 | 197 |
| | | | | | 33 | 0 | 0 | 197 | 572 | 0 | 0 | 189 |
| | | | | | 572 | 0 | 0 | 189 | 603 | 0 | 0 | 0 |
| **Trave 217** | | | | | | | | | | | | |
| 30x20 | 2120 | 2111 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 624 | 0 | 0 | 150 |
| 30x20 | 2120 | 2111 | QP Solai | PolG | 15 | 0 | 0 | 12 | 608 | 0 | 0 | 12 |
| | | | | | 608 | 0 | 0 | 0 | 610 | 0 | 0 | 0 |
| 30x20 | 2120 | 2111 | QFissi Solai | PolG | 0 | 0 | 0 | 11 | 624 | 0 | 0 | 11 |
| 30x20 | 2120 | 2111 | QV Solai | PolG | 0 | 0 | 0 | 13 | 624 | 0 | 0 | 13 |
| 30x20 | 2120 | 2111 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 13 | 624 | 0 | 0 | 13 |
| 30x20 | 2120 | 2111 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 12 | 624 | 0 | 0 | 12 |
| 30x20 | 2120 | 2111 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 10 | 624 | 0 | 0 | 10 |
| **Trave 218** | | | | | | | | | | | | |
| 30x20 | 2266 | 2183 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 682 | 0 | 0 | 150 |
| 30x20 | 2266 | 2183 | QP Solai | PolG | 15 | 0 | 0 | 197 | 21 | 0 | 0 | 197 |
| | | | | | 21 | 0 | 0 | 377 | 296 | 0 | 0 | 388 |
| | | | | | 296 | 0 | 0 | 388 | 416 | 0 | 0 | 393 |
| | | | | | 416 | 0 | 0 | 393 | 510 | 0 | 0 | 397 |
| | | | | | 510 | 0 | 0 | 397 | 652 | 0 | 0 | 403 |
| | | | | | 652 | 0 | 0 | 403 | 667 | 0 | 0 | 195 |
| 30x20 | 2266 | 2183 | QFissi Solai | PolG | 0 | 0 | 0 | 393 | 295 | 0 | 0 | 405 |
| | | | | | 295 | 0 | 0 | 405 | 415 | 0 | 0 | 410 |
| | | | | | 415 | 0 | 0 | 410 | 509 | 0 | 0 | 414 |
| | | | | | 509 | 0 | 0 | 414 | 667 | 0 | 0 | 420 |
| | | | | | 667 | 0 | 0 | 420 | 682 | 0 | 0 | 203 |
| 30x20 | 2266 | 2183 | QV Solai | PolG | 0 | 0 | 0 | 421 | 295 | 0 | 0 | 434 |
| | | | | | 295 | 0 | 0 | 434 | 415 | 0 | 0 | 439 |
| | | | | | 415 | 0 | 0 | 439 | 509 | 0 | 0 | 443 |
| | | | | | 509 | 0 | 0 | 443 | 667 | 0 | 0 | 450 |
| | | | | | 667 | 0 | 0 | 450 | 682 | 0 | 0 | 218 |
| 30x20 | 2266 | 2183 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 295 | 295 | 0 | 0 | 304 |
| | | | | | 295 | 0 | 0 | 304 | 415 | 0 | 0 | 307 |
| | | | | | 415 | 0 | 0 | 307 | 509 | 0 | 0 | 310 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 509 | 0 | 0 | 310 | 667 | 0 | 0 | 315 |
| | | | | | 667 | 0 | 0 | 315 | 682 | 0 | 0 | 153 |
| 30x20 | 2266 | 2183 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 211 | 295 | 0 | 0 | 217 |
| | | | | | 295 | 0 | 0 | 217 | 415 | 0 | 0 | 220 |
| | | | | | 415 | 0 | 0 | 220 | 509 | 0 | 0 | 222 |
| | | | | | 509 | 0 | 0 | 222 | 667 | 0 | 0 | 225 |
| | | | | | 667 | 0 | 0 | 225 | 682 | 0 | 0 | 109 |
| 30x20 | 2266 | 2183 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 126 | 295 | 0 | 0 | 130 |
| | | | | | 295 | 0 | 0 | 130 | 509 | 0 | 0 | 133 |
| | | | | | 509 | 0 | 0 | 133 | 667 | 0 | 0 | 135 |
| | | | | | 667 | 0 | 0 | 135 | 682 | 0 | 0 | 65 |
| **Trave 219** | | | | | | | | | | | | |
| 30x20 | 2002 | 2034 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 626 | 0 | 0 | 150 |
| 30x20 | 2002 | 2034 | QP Solai | PolG | 15 | 0 | 0 | 47 | 611 | 0 | 0 | 43 |
| | | | | | 611 | 0 | 0 | 43 | 626 | 0 | 0 | 45 |
| 30x20 | 2002 | 2034 | QFissi Solai | PolG | 0 | 0 | 0 | 41 | 626 | 0 | 0 | 46 |
| 30x20 | 2002 | 2034 | QV Solai | PolG | 0 | 0 | 0 | 49 | 626 | 0 | 0 | 49 |
| 30x20 | 2002 | 2034 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 49 | 626 | 0 | 0 | 34 |
| 30x20 | 2002 | 2034 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 44 | 626 | 0 | 0 | 34 |
| 30x20 | 2002 | 2034 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 39 | 626 | 0 | 0 | 29 |
| 30x20 | 2034 | 2085 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 447 | 0 | 0 | 150 |
| 30x20 | 2034 | 2085 | QP Solai | PolG | 0 | 0 | 0 | 45 | 15 | 0 | 0 | 46 |
| | | | | | 15 | 0 | 0 | 63 | 37 | 0 | 0 | 1929 |
| | | | | | 37 | 0 | 0 | 1929 | 431 | 0 | 0 | 1938 |
| | | | | | 431 | 0 | 0 | 76 | 433 | 0 | 0 | 76 |
| 30x20 | 2034 | 2085 | QFissi Solai | PolG | 0 | 0 | 0 | 53 | 24 | 0 | 0 | 790 |
| | | | | | 24 | 0 | 0 | 790 | 447 | 0 | 0 | 812 |
| 30x20 | 2034 | 2085 | QV Solai | PolG | 0 | 0 | 0 | 56 | 24 | 0 | 0 | 793 |
| | | | | | 24 | 0 | 0 | 793 | 447 | 0 | 0 | 818 |
| 30x20 | 2034 | 2085 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 39 | 24 | 0 | 0 | 555 |
| | | | | | 24 | 0 | 0 | 555 | 447 | 0 | 0 | 573 |
| 30x20 | 2034 | 2085 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 39 | 24 | 0 | 0 | 555 |
| | | | | | 24 | 0 | 0 | 555 | 447 | 0 | 0 | 573 |
| 30x20 | 2034 | 2085 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 34 | 24 | 0 | 0 | 476 |
| | | | | | 24 | 0 | 0 | 476 | 447 | 0 | 0 | 491 |
| 30x20 | 2085 | 2101 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 155 | 0 | 0 | 150 |
| 30x20 | 2085 | 2101 | QP Solai | PolG | 16 | 0 | 0 | 0 | 19 | 0 | 0 | 873 |
| | | | | | 19 | 0 | 0 | 873 | 155 | 0 | 0 | 881 |
| 30x20 | 2085 | 2101 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 765 |
| | | | | | 4 | 0 | 0 | 765 | 155 | 0 | 0 | 772 |
| 30x20 | 2085 | 2101 | QV Solai | PolG | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 918 |
| | | | | | 4 | 0 | 0 | 918 | 155 | 0 | 0 | 926 |
| 30x20 | 2085 | 2101 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 918 |
| | | | | | 4 | 0 | 0 | 918 | 155 | 0 | 0 | 926 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 2085 | 2101 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 826 |
| | | | | | 4 | 0 | 0 | 826 | 155 | 0 | 0 | 833 |
| 30x20 | 2085 | 2101 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 734 |
| | | | | | 4 | 0 | 0 | 734 | 155 | 0 | 0 | 741 |
| 30x20 | 2101 | 2106 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2101 | 2106 | QP Solai | PolG | 0 | 0 | 0 | 881 | 120 | 0 | 0 | 887 |
| 30x20 | 2101 | 2106 | QFissi Solai | PolG | 0 | 0 | 0 | 772 | 120 | 0 | 0 | 777 |
| 30x20 | 2101 | 2106 | QV Solai | PolG | 0 | 0 | 0 | 926 | 120 | 0 | 0 | 932 |
| 30x20 | 2101 | 2106 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 926 | 120 | 0 | 0 | 932 |
| 30x20 | 2101 | 2106 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 833 | 120 | 0 | 0 | 839 |
| 30x20 | 2101 | 2106 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 741 | 120 | 0 | 0 | 746 |
| 30x20 | 2106 | 2120 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 75 | 0 | 0 | 150 |
| 30x20 | 2106 | 2120 | QP Solai | PolG | 0 | 0 | 0 | 887 | 52 | 0 | 0 | 890 |
| | | | | | 52 | 0 | 0 | 890 | 61 | 0 | 0 | 0 |
| 30x20 | 2106 | 2120 | QFissi Solai | PolG | 0 | 0 | 0 | 777 | 67 | 0 | 0 | 780 |
| | | | | | 67 | 0 | 0 | 780 | 75 | 0 | 0 | 0 |
| 30x20 | 2106 | 2120 | QV Solai | PolG | 0 | 0 | 0 | 932 | 67 | 0 | 0 | 936 |
| | | | | | 67 | 0 | 0 | 936 | 75 | 0 | 0 | 0 |
| 30x20 | 2106 | 2120 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 932 | 67 | 0 | 0 | 936 |
| | | | | | 67 | 0 | 0 | 936 | 75 | 0 | 0 | 0 |
| 30x20 | 2106 | 2120 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 839 | 67 | 0 | 0 | 843 |
| | | | | | 67 | 0 | 0 | 843 | 75 | 0 | 0 | 0 |
| 30x20 | 2106 | 2120 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 746 | 67 | 0 | 0 | 749 |
| | | | | | 67 | 0 | 0 | 749 | 75 | 0 | 0 | 0 |
| 30x20 | 2120 | 2126 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 195 | 0 | 0 | 150 |
| 30x20 | 2120 | 2126 | QP Solai | PolG | 15 | 0 | 0 | 892 | 195 | 0 | 0 | 902 |
| 30x20 | 2120 | 2126 | QFissi Solai | PolG | 0 | 0 | 0 | 780 | 195 | 0 | 0 | 789 |
| 30x20 | 2120 | 2126 | QV Solai | PolG | 0 | 0 | 0 | 937 | 195 | 0 | 0 | 947 |
| 30x20 | 2120 | 2126 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 937 | 195 | 0 | 0 | 947 |
| 30x20 | 2120 | 2126 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 843 | 195 | 0 | 0 | 852 |
| 30x20 | 2120 | 2126 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 749 | 195 | 0 | 0 | 758 |
| 30x20 | 2126 | 2142 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2126 | 2142 | QP Solai | PolG | 0 | 0 | 0 | 902 | 120 | 0 | 0 | 909 |
| 30x20 | 2126 | 2142 | QFissi Solai | PolG | 0 | 0 | 0 | 789 | 120 | 0 | 0 | 795 |
| 30x20 | 2126 | 2142 | QV Solai | PolG | 0 | 0 | 0 | 947 | 120 | 0 | 0 | 954 |
| 30x20 | 2126 | 2142 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 947 | 120 | 0 | 0 | 954 |
| 30x20 | 212 | 214 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 852 | 120 | 0 | 0 | 858 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 2 | | | | | | | | | | |
| 30x20 | 2126 | 2142 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 758 | 120 | 0 | 0 | 763 |
| 30x20 | 2142 | 2161 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 241 | 0 | 0 | 150 |
| 30x20 | 2142 | 2161 | QP Solai | PolG | 0 | 0 | 0 | 909 | 207 | 0 | 0 | 920 |
| | | | | | 207 | 0 | 0 | 920 | 226 | 0 | 0 | 0 |
| 30x20 | 2142 | 2161 | QFissi Solai | PolG | 0 | 0 | 0 | 795 | 221 | 0 | 0 | 805 |
| | | | | | 221 | 0 | 0 | 805 | 241 | 0 | 0 | 0 |
| 30x20 | 2142 | 2161 | QV Solai | PolG | 0 | 0 | 0 | 954 | 221 | 0 | 0 | 966 |
| | | | | | 221 | 0 | 0 | 966 | 241 | 0 | 0 | 0 |
| 30x20 | 2142 | 2161 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 954 | 221 | 0 | 0 | 966 |
| | | | | | 221 | 0 | 0 | 966 | 241 | 0 | 0 | 0 |
| 30x20 | 2142 | 2161 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 858 | 221 | 0 | 0 | 869 |
| | | | | | 221 | 0 | 0 | 869 | 241 | 0 | 0 | 0 |
| 30x20 | 2142 | 2161 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 763 | 221 | 0 | 0 | 773 |
| | | | | | 221 | 0 | 0 | 773 | 241 | 0 | 0 | 0 |
| 30x20 | 2161 | 2166 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 79 | 0 | 0 | 150 |
| 30x20 | 2161 | 2166 | QP Solai | PolG | 15 | 0 | 0 | 922 | 79 | 0 | 0 | 926 |
| 30x20 | 2161 | 2166 | QFissi Solai | PolG | 0 | 0 | 0 | 806 | 79 | 0 | 0 | 809 |
| 30x20 | 2161 | 2166 | QV Solai | PolG | 0 | 0 | 0 | 967 | 79 | 0 | 0 | 971 |
| 30x20 | 2161 | 2166 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 967 | 79 | 0 | 0 | 971 |
| 30x20 | 2161 | 2166 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 870 | 79 | 0 | 0 | 874 |
| 30x20 | 2161 | 2166 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 773 | 79 | 0 | 0 | 777 |
| 30x20 | 2166 | 2171 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2166 | 2171 | QP Solai | PolG | 0 | 0 | 0 | 926 | 120 | 0 | 0 | 932 |
| 30x20 | 2166 | 2171 | QFissi Solai | PolG | 0 | 0 | 0 | 809 | 120 | 0 | 0 | 815 |
| 30x20 | 2166 | 2171 | QV Solai | PolG | 0 | 0 | 0 | 971 | 120 | 0 | 0 | 978 |
| 30x20 | 2166 | 2171 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 971 | 120 | 0 | 0 | 978 |
| 30x20 | 2166 | 2171 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 874 | 120 | 0 | 0 | 880 |
| 30x20 | 2166 | 2171 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 777 | 120 | 0 | 0 | 782 |
| 30x20 | 2171 | 2212 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 149 | 0 | 0 | 150 |
| 30x20 | 2171 | 2212 | QP Solai | PolG | 0 | 0 | 0 | 932 | 149 | 0 | 0 | 940 |
| 30x20 | 2171 | 2212 | QFissi Solai | PolG | 0 | 0 | 0 | 815 | 149 | 0 | 0 | 821 |
| 30x20 | 2171 | 2212 | QV Solai | PolG | 0 | 0 | 0 | 977 | 149 | 0 | 0 | 986 |
| 30x20 | 2171 | 2212 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 977 | 149 | 0 | 0 | 986 |
| 30x20 | 2171 | 2212 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 880 | 149 | 0 | 0 | 887 |
| 30x20 | 2171 | 2212 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 782 | 149 | 0 | 0 | 788 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 2212 | 2229 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 94 | 0 | 0 | 150 |
| 30x20 | 2212 | 2229 | QP Solai | PolG | 0 | 0 | 0 | 940 | 14 | 0 | 0 | 941 |
| | | | | | 14 | 0 | 0 | 1597 | 66 | 0 | 0 | 1600 |
| | | | | | 66 | 0 | 0 | 1600 | 75 | 0 | 0 | 989 |
| | | | | | 75 | 0 | 0 | 989 | 77 | 0 | 0 | 810 |
| | | | | | 77 | 0 | 0 | 810 | 80 | 0 | 0 | 656 |
| | | | | | 80 | 0 | 0 | 656 | 94 | 0 | 0 | 657 |
| 30x20 | 2212 | 2229 | QFissi Solai | PolG | 0 | 0 | 0 | 1511 | 81 | 0 | 0 | 1515 |
| | | | | | 81 | 0 | 0 | 1515 | 89 | 0 | 0 | 986 |
| | | | | | 89 | 0 | 0 | 986 | 92 | 0 | 0 | 836 |
| | | | | | 92 | 0 | 0 | 836 | 94 | 0 | 0 | 690 |
| 30x20 | 2212 | 2229 | QV Solai | PolG | 0 | 0 | 0 | 1724 | 81 | 0 | 0 | 1729 |
| | | | | | 81 | 0 | 0 | 1729 | 89 | 0 | 0 | 1095 |
| | | | | | 89 | 0 | 0 | 1095 | 92 | 0 | 0 | 915 |
| | | | | | 92 | 0 | 0 | 915 | 94 | 0 | 0 | 740 |
| 30x20 | 2212 | 2229 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 1503 | 81 | 0 | 0 | 1508 |
| | | | | | 81 | 0 | 0 | 1508 | 89 | 0 | 0 | 873 |
| | | | | | 89 | 0 | 0 | 873 | 92 | 0 | 0 | 693 |
| | | | | | 92 | 0 | 0 | 693 | 94 | 0 | 0 | 518 |
| 30x20 | 2212 | 2229 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 1256 | 81 | 0 | 0 | 1261 |
| | | | | | 81 | 0 | 0 | 1261 | 89 | 0 | 0 | 689 |
| | | | | | 89 | 0 | 0 | 689 | 92 | 0 | 0 | 528 |
| | | | | | 92 | 0 | 0 | 528 | 94 | 0 | 0 | 370 |
| 30x20 | 2212 | 2229 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 1010 | 81 | 0 | 0 | 1014 |
| | | | | | 81 | 0 | 0 | 1014 | 89 | 0 | 0 | 506 |
| | | | | | 89 | 0 | 0 | 506 | 92 | 0 | 0 | 362 |
| | | | | | 92 | 0 | 0 | 362 | 94 | 0 | 0 | 222 |
| 30x20 | 2229 | 2239 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 102 | 0 | 0 | 150 |
| 30x20 | 2229 | 2239 | QP Solai | PolG | 0 | 0 | 0 | 657 | 15 | 0 | 0 | 657 |
| | | | | | 15 | 0 | 0 | 903 | 102 | 0 | 0 | 908 |
| 30x20 | 2229 | 2239 | QFissi Solai | PolG | 0 | 0 | 0 | 944 | 102 | 0 | 0 | 951 |
| 30x20 | 2229 | 2239 | QV Solai | PolG | 0 | 0 | 0 | 1012 | 102 | 0 | 0 | 1019 |
| 30x20 | 2229 | 2239 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 708 | 102 | 0 | 0 | 713 |
| 30x20 | 2229 | 2239 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 506 | 102 | 0 | 0 | 509 |
| 30x20 | 2229 | 2239 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 304 | 102 | 0 | 0 | 306 |
| 30x20 | 2239 | 2244 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2239 | 2244 | QP Solai | PolG | 0 | 0 | 0 | 908 | 95 | 0 | 0 | 914 |
| | | | | | 95 | 0 | 0 | 914 | 120 | 0 | 0 | 916 |
| 30x20 | 2239 | 2244 | QFissi Solai | PolG | 0 | 0 | 0 | 951 | 93 | 0 | 0 | 957 |
| | | | | | 93 | 0 | 0 | 957 | 120 | 0 | 0 | 959 |
| 30x20 | 2239 | 2244 | QV Solai | PolG | 0 | 0 | 0 | 1019 | 93 | 0 | 0 | 1025 |
| | | | | | 93 | 0 | 0 | 1025 | 120 | 0 | 0 | 1027 |
| 30x20 | 2239 | 2244 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 713 | 120 | 0 | 0 | 719 |
| 30x20 | 2239 | 2244 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 509 | 120 | 0 | 0 | 513 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 2239 | 2244 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 306 | 120 | 0 | 0 | 308 |
| 30x20 | 2244 | 2262 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 254 | 0 | 0 | 150 |
| 30x20 | 2244 | 2262 | QP Solai | PolG | 0 | 0 | 0 | 916 | 233 | 0 | 0 | 931 |
| | | | | | 233 | 0 | 0 | 931 | 238 | 0 | 0 | 270 |
| | | | | | 238 | 0 | 0 | 270 | 240 | 0 | 0 | 270 |
| 30x20 | 2244 | 2262 | QFissi Solai | PolG | 0 | 0 | 0 | 959 | 248 | 0 | 0 | 974 |
| | | | | | 248 | 0 | 0 | 974 | 254 | 0 | 0 | 280 |
| 30x20 | 2244 | 2262 | QV Solai | PolG | 0 | 0 | 0 | 1027 | 248 | 0 | 0 | 1044 |
| | | | | | 248 | 0 | 0 | 1044 | 254 | 0 | 0 | 300 |
| 30x20 | 2244 | 2262 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 719 | 248 | 0 | 0 | 731 |
| | | | | | 248 | 0 | 0 | 731 | 254 | 0 | 0 | 210 |
| 30x20 | 2244 | 2262 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 513 | 248 | 0 | 0 | 522 |
| | | | | | 248 | 0 | 0 | 522 | 254 | 0 | 0 | 150 |
| 30x20 | 2244 | 2262 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 308 | 248 | 0 | 0 | 313 |
| | | | | | 248 | 0 | 0 | 313 | 254 | 0 | 0 | 90 |
| **Trave 220** | | | | | | | | | | | | |
| 30x20 | 2099 | 2139 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 539 | 0 | 0 | 150 |
| 30x20 | 2099 | 2139 | QP Solai | PolG | 16 | 0 | 0 | 564 | 526 | 0 | 0 | 568 |
| 30x20 | 2099 | 2139 | QFissi Solai | PolG | 0 | 0 | 0 | 598 | 539 | 0 | 0 | 602 |
| 30x20 | 2099 | 2139 | QV Solai | PolG | 0 | 0 | 0 | 641 | 539 | 0 | 0 | 645 |
| 30x20 | 2099 | 2139 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 448 | 539 | 0 | 0 | 451 |
| 30x20 | 2099 | 2139 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 320 | 539 | 0 | 0 | 322 |
| 30x20 | 2099 | 2139 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 192 | 539 | 0 | 0 | 193 |
| **Trave 221** | | | | | | | | | | | | |
| 30x20 | 2032 | 2071 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 392 | 0 | 0 | 150 |
| 30x20 | 2032 | 2071 | QP Solai | PolG | 6 | 0 | 0 | 18 | 374 | 0 | 0 | 0 |
| 30x20 | 2032 | 2071 | QFissi Solai | PolG | 0 | 0 | 0 | 16 | 392 | 0 | 0 | 0 |
| 30x20 | 2032 | 2071 | QV Solai | PolG | 0 | 0 | 0 | 19 | 392 | 0 | 0 | 0 |
| 30x20 | 2032 | 2071 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 19 | 392 | 0 | 0 | 0 |
| 30x20 | 2032 | 2071 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 17 | 392 | 0 | 0 | 0 |
| 30x20 | 2032 | 2071 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 16 | 392 | 0 | 0 | 0 |
| **Trave 222** | | | | | | | | | | | | |
| 30x20 | 2046 | 2040 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 486 | 0 | 0 | 150 |
| 30x20 | 2046 | 2040 | QP Solai | PolG | 16 | 0 | 0 | 825 | 474 | 0 | 0 | 824 |
| 30x20 | 2046 | 2040 | QFissi Solai | PolG | 0 | 0 | 0 | 725 | 486 | 0 | 0 | 724 |
| 30x20 | 2046 | 2040 | QV Solai | PolG | 0 | 0 | 0 | 870 | 486 | 0 | 0 | 869 |
| 30x20 | 2046 | 2040 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 870 | 486 | 0 | 0 | 869 |
| 30x20 | 204 | 204 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 783 | 486 | 0 | 0 | 782 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 0 | | | | | | | | | | |
| 30x20 | 2046 | 2040 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 696 | 486 | 0 | 0 | 695 |
| 30x20 | 2063 | 2046 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 1013 | 0 | 0 | 150 |
| 30x20 | 2063 | 2046 | QP Solai | PolG | 0 | 0 | 0 | 829 | 963 | 0 | 0 | 826 |
| | | | | | 963 | 0 | 0 | 826 | 1000 | 0 | 0 | 0 |
| 30x20 | 2063 | 2046 | QFissi Solai | PolG | 0 | 0 | 0 | 729 | 975 | 0 | 0 | 725 |
| | | | | | 975 | 0 | 0 | 725 | 1013 | 0 | 0 | 0 |
| 30x20 | 2063 | 2046 | QV Solai | PolG | 0 | 0 | 0 | 874 | 975 | 0 | 0 | 871 |
| | | | | | 975 | 0 | 0 | 871 | 1013 | 0 | 0 | 0 |
| 30x20 | 2063 | 2046 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 874 | 975 | 0 | 0 | 871 |
| | | | | | 975 | 0 | 0 | 871 | 1013 | 0 | 0 | 0 |
| 30x20 | 2063 | 2046 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 787 | 975 | 0 | 0 | 784 |
| | | | | | 975 | 0 | 0 | 784 | 1013 | 0 | 0 | 0 |
| 30x20 | 2063 | 2046 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 700 | 975 | 0 | 0 | 696 |
| | | | | | 975 | 0 | 0 | 696 | 1013 | 0 | 0 | 0 |
| 30x20 | 2071 | 2063 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 284 | 0 | 0 | 150 |
| 30x20 | 2071 | 2063 | QP Solai | PolG | 0 | 0 | 0 | 62 | 18 | 0 | 0 | 58 |
| | | | | | 18 | 0 | 0 | 58 | 30 | 0 | 0 | 597 |
| | | | | | 30 | 0 | 0 | 597 | 268 | 0 | 0 | 803 |
| | | | | | 268 | 0 | 0 | 803 | 284 | 0 | 0 | 821 |
| 30x20 | 2071 | 2063 | QFissi Solai | PolG | 0 | 0 | 0 | 55 | 13 | 0 | 0 | 534 |
| | | | | | 13 | 0 | 0 | 534 | 284 | 0 | 0 | 729 |
| 30x20 | 2071 | 2063 | QV Solai | PolG | 0 | 0 | 0 | 66 | 13 | 0 | 0 | 641 |
| | | | | | 13 | 0 | 0 | 641 | 284 | 0 | 0 | 874 |
| 30x20 | 2071 | 2063 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 66 | 13 | 0 | 0 | 641 |
| | | | | | 13 | 0 | 0 | 641 | 284 | 0 | 0 | 874 |
| 30x20 | 2071 | 2063 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 59 | 13 | 0 | 0 | 577 |
| | | | | | 13 | 0 | 0 | 577 | 284 | 0 | 0 | 787 |
| 30x20 | 2071 | 2063 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 53 | 13 | 0 | 0 | 513 |
| | | | | | 13 | 0 | 0 | 513 | 284 | 0 | 0 | 700 |
| 30x20 | 2072 | 2071 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 103 | 0 | 0 | 150 |
| 30x20 | 2072 | 2071 | QP Solai | PolG | 13 | 0 | 0 | 83 | 103 | 0 | 0 | 62 |
| 30x20 | 2072 | 2071 | QFissi Solai | PolG | 0 | 0 | 0 | 75 | 103 | 0 | 0 | 55 |
| 30x20 | 2072 | 2071 | QV Solai | PolG | 0 | 0 | 0 | 90 | 103 | 0 | 0 | 66 |
| 30x20 | 2072 | 2071 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 90 | 103 | 0 | 0 | 66 |
| 30x20 | 2072 | 2071 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 81 | 103 | 0 | 0 | 59 |
| 30x20 | 2072 | 2071 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 72 | 103 | 0 | 0 | 53 |
| **Trave 223** | | | | | | | | | | | | |
| 30x20 | 2034 | 2038 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 613 | 0 | 0 | 150 |
| 30x20 | 2034 | 2038 | QP Solai | PolG | 15 | 0 | 0 | 332 | 46 | 0 | 0 | 1229 |
| | | | | | 46 | 0 | 0 | 1229 | 576 | 0 | 0 | 1269 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 576 | 0 | 0 | 1269 | 598 | 0 | 0 | 954 |
| 30x20 | 2034 | 2038 | QFissi Solai | PolG | 0 | 0 | 0 | 134 | 33 | 0 | 0 | 917 |
| | | | | | 33 | 0 | 0 | 917 | 590 | 0 | 0 | 928 |
| | | | | | 590 | 0 | 0 | 928 | 613 | 0 | 0 | 800 |
| 30x20 | 2034 | 2038 | QV Solai | PolG | 0 | 0 | 0 | 134 | 33 | 0 | 0 | 1074 |
| | | | | | 33 | 0 | 0 | 1074 | 590 | 0 | 0 | 1082 |
| | | | | | 590 | 0 | 0 | 1082 | 613 | 0 | 0 | 955 |
| 30x20 | 2034 | 2038 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 94 | 33 | 0 | 0 | 1033 |
| | | | | | 33 | 0 | 0 | 1033 | 590 | 0 | 0 | 1035 |
| | | | | | 590 | 0 | 0 | 1035 | 613 | 0 | 0 | 946 |
| 30x20 | 2034 | 2038 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 94 | 33 | 0 | 0 | 939 |
| | | | | | 33 | 0 | 0 | 939 | 590 | 0 | 0 | 943 |
| | | | | | 590 | 0 | 0 | 943 | 613 | 0 | 0 | 853 |
| 30x20 | 2034 | 2038 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 80 | 33 | 0 | 0 | 832 |
| | | | | | 33 | 0 | 0 | 832 | 590 | 0 | 0 | 834 |
| | | | | | 590 | 0 | 0 | 834 | 613 | 0 | 0 | 758 |
| **Trave 224** | | | | | | | | | | | | |
| 30x20 | 2007 | 2029 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 446 | 0 | 0 | 150 |
| 30x20 | 2007 | 2029 | QP Solai | PolG | 13 | 0 | 0 | 785 | 19 | 0 | 0 | 786 |
| | | | | | 19 | 0 | 0 | 786 | 400 | 0 | 0 | 885 |
| | | | | | 400 | 0 | 0 | 885 | 429 | 0 | 0 | 36 |
| | | | | | 429 | 0 | 0 | 36 | 446 | 0 | 0 | 38 |
| 30x20 | 2007 | 2029 | QFissi Solai | PolG | 0 | 0 | 0 | 689 | 415 | 0 | 0 | 779 |
| | | | | | 415 | 0 | 0 | 779 | 446 | 0 | 0 | 33 |
| 30x20 | 2007 | 2029 | QV Solai | PolG | 0 | 0 | 0 | 827 | 415 | 0 | 0 | 935 |
| | | | | | 415 | 0 | 0 | 935 | 446 | 0 | 0 | 39 |
| 30x20 | 2007 | 2029 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 827 | 415 | 0 | 0 | 935 |
| | | | | | 415 | 0 | 0 | 935 | 446 | 0 | 0 | 39 |
| 30x20 | 2007 | 2029 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 745 | 415 | 0 | 0 | 842 |
| | | | | | 415 | 0 | 0 | 842 | 446 | 0 | 0 | 35 |
| 30x20 | 2007 | 2029 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 662 | 415 | 0 | 0 | 748 |
| | | | | | 415 | 0 | 0 | 748 | 446 | 0 | 0 | 31 |
| 30x20 | 2029 | 2040 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 147 | 0 | 0 | 150 |
| 30x20 | 2029 | 2040 | QP Solai | PolG | 0 | 0 | 0 | 38 | 135 | 0 | 0 | 49 |
| 30x20 | 2029 | 2040 | QFissi Solai | PolG | 0 | 0 | 0 | 33 | 147 | 0 | 0 | 43 |
| 30x20 | 2029 | 2040 | QV Solai | PolG | 0 | 0 | 0 | 39 | 147 | 0 | 0 | 52 |
| 30x20 | 2029 | 2040 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 39 | 147 | 0 | 0 | 52 |
| 30x20 | 2029 | 2040 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 35 | 147 | 0 | 0 | 47 |
| 30x20 | 2029 | 2040 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 31 | 147 | 0 | 0 | 42 |
| **Trave 225** | | | | | | | | | | | | |
| 30x20 | 2017 | 2032 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 359 | 0 | 0 | 150 |
| 30x20 | 2017 | 2032 | QP Solai | PolG | 5 | 0 | 0 | 621 | 14 | 0 | 0 | 615 |
| | | | | | 14 | 0 | 0 | 615 | 353 | 0 | 0 | 405 |
| 30x20 | 201 | 203 | QFissi Solai | PolG | 0 | 0 | 0 | 545 | 359 | 0 | 0 | 360 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 2 | | | | | | | | | | |
| 30x20 | 2017 | 2032 | QV Solai | PolG | 0 | 0 | 0 | 654 | 359 | 0 | 0 | 432 |
| 30x20 | 2017 | 2032 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 654 | 359 | 0 | 0 | 432 |
| 30x20 | 2017 | 2032 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 589 | 359 | 0 | 0 | 389 |
| 30x20 | 2017 | 2032 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 524 | 359 | 0 | 0 | 346 |
| **Trave 226** | | | | | | | | | | | | |
| 30x20 | 2121 | 2114 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 421 | 0 | 0 | 150 |
| 30x20 | 2121 | 2114 | QP Solai | PolG | 15 | 0 | 0 | 17 | 406 | 0 | 0 | 17 |
| | | | | | 406 | 0 | 0 | 0 | 407 | 0 | 0 | 0 |
| 30x20 | 2121 | 2114 | QFissi Solai | PolG | 0 | 0 | 0 | 15 | 421 | 0 | 0 | 15 |
| 30x20 | 2121 | 2114 | QV Solai | PolG | 0 | 0 | 0 | 18 | 421 | 0 | 0 | 18 |
| 30x20 | 2121 | 2114 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 18 | 421 | 0 | 0 | 18 |
| 30x20 | 2121 | 2114 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 17 | 421 | 0 | 0 | 17 |
| 30x20 | 2121 | 2114 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 15 | 421 | 0 | 0 | 15 |
| **Trave 227** | | | | | | | | | | | | |
| 30x20 | 2009 | 2046 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 583 | 0 | 0 | 150 |
| 30x20 | 2009 | 2046 | QP Solai | PolG | 14 | 0 | 0 | 0 | 16 | 0 | 0 | 0 |
| | | | | | 16 | 0 | 0 | 54 | 566 | 0 | 0 | 54 |
| | | | | | 566 | 0 | 0 | 0 | 569 | 0 | 0 | 0 |
| 30x20 | 2009 | 2046 | QFissi Solai | PolG | 0 | 0 | 0 | 47 | 583 | 0 | 0 | 47 |
| 30x20 | 2009 | 2046 | QV Solai | PolG | 0 | 0 | 0 | 57 | 583 | 0 | 0 | 57 |
| 30x20 | 2009 | 2046 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 57 | 583 | 0 | 0 | 57 |
| 30x20 | 2009 | 2046 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 51 | 583 | 0 | 0 | 51 |
| 30x20 | 2009 | 2046 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 45 | 583 | 0 | 0 | 45 |
| **Trave 228** | | | | | | | | | | | | |
| 30x20 | 2189 | 2268 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 675 | 0 | 0 | 150 |
| 30x20 | 2189 | 2268 | QP Solai | PolG | 14 | 0 | 0 | 45 | 16 | 0 | 0 | 45 |
| | | | | | 16 | 0 | 0 | 253 | 17 | 0 | 0 | 253 |
| | | | | | 17 | 0 | 0 | 298 | 654 | 0 | 0 | 285 |
| | | | | | 654 | 0 | 0 | 89 | 659 | 0 | 0 | 89 |
| | | | | | 659 | 0 | 0 | 45 | 661 | 0 | 0 | 45 |
| 30x20 | 2189 | 2268 | QFissi Solai | PolG | 0 | 0 | 0 | 318 | 668 | 0 | 0 | 304 |
| | | | | | 668 | 0 | 0 | 304 | 675 | 0 | 0 | 99 |
| 30x20 | 2189 | 2268 | QV Solai | PolG | 0 | 0 | 0 | 340 | 668 | 0 | 0 | 326 |
| | | | | | 668 | 0 | 0 | 326 | 675 | 0 | 0 | 106 |
| 30x20 | 2189 | 2268 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 238 | 668 | 0 | 0 | 228 |
| | | | | | 668 | 0 | 0 | 228 | 675 | 0 | 0 | 74 |
| 30x20 | 2189 | 2268 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 170 | 668 | 0 | 0 | 163 |
| | | | | | 668 | 0 | 0 | 163 | 675 | 0 | 0 | 53 |
| 30x20 | 2189 | 2268 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 102 | 668 | 0 | 0 | 98 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 668 | 0 | 0 | 98 | 675 | 0 | 0 | 32 |
| **Trave 229** | | | | | | | | | | | | |
| 30x20 | 2202 | 2256 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 572 | 0 | 0 | 150 |
| 30x20 | 2202 | 2256 | QP Solai | PolG | 16 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| | | | | | 22 | 0 | 0 | 155 | 558 | 0 | 0 | 191 |
| 30x20 | 2202 | 2256 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 164 |
| | | | | | 6 | 0 | 0 | 164 | 572 | 0 | 0 | 202 |
| 30x20 | 2202 | 2256 | QV Solai | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 176 |
| | | | | | 6 | 0 | 0 | 176 | 572 | 0 | 0 | 216 |
| 30x20 | 2202 | 2256 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 123 |
| | | | | | 6 | 0 | 0 | 123 | 572 | 0 | 0 | 151 |
| 30x20 | 2202 | 2256 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 88 |
| | | | | | 6 | 0 | 0 | 88 | 572 | 0 | 0 | 108 |
| 30x20 | 2202 | 2256 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 53 |
| | | | | | 6 | 0 | 0 | 53 | 572 | 0 | 0 | 65 |
| **Trave 230** | | | | | | | | | | | | |
| T25x40 | 1361 | 1362 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 465 | 0 | 0 | 250 |
| T25x40 | 1361 | 1362 | QP Solai | PolG | 0 | 0 | 0 | 243 | 465 | 0 | 0 | 249 |
| T25x40 | 1361 | 1362 | QFissi Solai | PolG | 0 | 0 | 0 | 104 | 465 | 0 | 0 | 107 |
| T25x40 | 1361 | 1362 | QV Solai | PolG | 0 | 0 | 0 | 130 | 465 | 0 | 0 | 133 |
| T25x40 | 1362 | 1363 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 518 | 0 | 0 | 250 |
| T25x40 | 1362 | 1363 | QP Solai | PolG | 0 | 0 | 0 | 249 | 12 | 0 | 0 | 249 |
| | | | | | 12 | 0 | 0 | 249 | 518 | 0 | 0 | 255 |
| T25x40 | 1362 | 1363 | QFissi Solai | PolG | 0 | 0 | 0 | 107 | 12 | 0 | 0 | 107 |
| | | | | | 12 | 0 | 0 | 107 | 518 | 0 | 0 | 109 |
| T25x40 | 1362 | 1363 | QV Solai | PolG | 0 | 0 | 0 | 133 | 12 | 0 | 0 | 133 |
| | | | | | 12 | 0 | 0 | 133 | 518 | 0 | 0 | 137 |
| T25x40 | 1363 | 1364 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 289 | 0 | 0 | 250 |
| T25x40 | 1363 | 1364 | QP Solai | PolG | 0 | 0 | 0 | 255 | 289 | 0 | 0 | 259 |
| T25x40 | 1363 | 1364 | QFissi Solai | PolG | 0 | 0 | 0 | 109 | 289 | 0 | 0 | 111 |
| T25x40 | 1363 | 1364 | QV Solai | PolG | 0 | 0 | 0 | 137 | 289 | 0 | 0 | 139 |
| T25x40 | 1373 | 1361 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 492 | 0 | 0 | 250 |
| T25x40 | 1373 | 1361 | QP Solai | PolG | 0 | 0 | 0 | 483 | 473 | 0 | 0 | 454 |
| | | | | | 473 | 0 | 0 | 454 | 481 | 0 | 0 | 248 |
| | | | | | 481 | 0 | 0 | 248 | 492 | 0 | 0 | 0 |
| T25x40 | 1373 | 1361 | QFissi Solai | PolG | 0 | 0 | 0 | 207 | 473 | 0 | 0 | 194 |
| | | | | | 473 | 0 | 0 | 194 | 481 | 0 | 0 | 106 |
| | | | | | 481 | 0 | 0 | 106 | 492 | 0 | 0 | 0 |
| T25x40 | 1373 | 1361 | QV Solai | PolG | 0 | 0 | 0 | 259 | 473 | 0 | 0 | 243 |
| | | | | | 473 | 0 | 0 | 243 | 481 | 0 | 0 | 133 |
| | | | | | 481 | 0 | 0 | 133 | 492 | 0 | 0 | 0 |
| **Trave 231** | | | | | | | | | | | | |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T25x40 | 1364 | 1365 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 369 | 0 | 0 | 250 |
| T25x40 | 1364 | 1365 | QP Solai | PolG | 0 | 0 | 0 | 287 | 369 | 0 | 0 | 281 |
| T25x40 | 1364 | 1365 | QFissi Solai | PolG | 0 | 0 | 0 | 123 | 369 | 0 | 0 | 121 |
| T25x40 | 1364 | 1365 | QV Solai | PolG | 0 | 0 | 0 | 154 | 369 | 0 | 0 | 151 |
| T25x40 | 1365 | 1366 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 416 | 0 | 0 | 250 |
| T25x40 | 1365 | 1366 | QP Solai | PolG | 0 | 0 | 0 | 281 | 6 | 0 | 0 | 281 |
| | | | | | 6 | 0 | 0 | 281 | 416 | 0 | 0 | 275 |
| T25x40 | 1365 | 1366 | QFissi Solai | PolG | 0 | 0 | 0 | 121 | 6 | 0 | 0 | 121 |
| | | | | | 6 | 0 | 0 | 121 | 416 | 0 | 0 | 118 |
| T25x40 | 1365 | 1366 | QV Solai | PolG | 0 | 0 | 0 | 151 | 6 | 0 | 0 | 151 |
| | | | | | 6 | 0 | 0 | 151 | 416 | 0 | 0 | 147 |
| T25x40 | 1366 | 1369 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 419 | 0 | 0 | 250 |
| T25x40 | 1366 | 1369 | QP Solai | PolG | 0 | 0 | 0 | 275 | 419 | 0 | 0 | 269 |
| T25x40 | 1366 | 1369 | QFissi Solai | PolG | 0 | 0 | 0 | 118 | 419 | 0 | 0 | 115 |
| T25x40 | 1366 | 1369 | QV Solai | PolG | 0 | 0 | 0 | 147 | 419 | 0 | 0 | 144 |
| **Trave 232** | | | | | | | | | | | | |
| T25x40 | 1373 | 1374 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 248 | 0 | 0 | 250 |
| T25x40 | 1373 | 1374 | QP Solai | PolG | 0 | 0 | 0 | 207 | 248 | 0 | 0 | 255 |
| T25x40 | 1373 | 1374 | QFissi Solai | PolG | 0 | 0 | 0 | 89 | 248 | 0 | 0 | 109 |
| T25x40 | 1373 | 1374 | QV Solai | PolG | 0 | 0 | 0 | 111 | 248 | 0 | 0 | 137 |
| T25x40 | 1374 | 1375 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 565 | 0 | 0 | 250 |
| T25x40 | 1374 | 1375 | QP Solai | PolG | 0 | 0 | 0 | 255 | 338 | 0 | 0 | 259 |
| | | | | | 338 | 0 | 0 | 259 | 565 | 0 | 0 | 262 |
| T25x40 | 1374 | 1375 | QFissi Solai | PolG | 0 | 0 | 0 | 109 | 338 | 0 | 0 | 111 |
| | | | | | 338 | 0 | 0 | 111 | 565 | 0 | 0 | 112 |
| T25x40 | 1374 | 1375 | QV Solai | PolG | 0 | 0 | 0 | 137 | 338 | 0 | 0 | 139 |
| | | | | | 338 | 0 | 0 | 139 | 565 | 0 | 0 | 140 |
| T25x40 | 1384 | 1375 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 575 | 0 | 0 | 250 |
| T25x40 | 1384 | 1375 | QP Solai | PolG | 0 | 0 | 0 | 269 | 256 | 0 | 0 | 266 |
| | | | | | 256 | 0 | 0 | 266 | 575 | 0 | 0 | 262 |
| T25x40 | 1384 | 1375 | QFissi Solai | PolG | 0 | 0 | 0 | 115 | 256 | 0 | 0 | 114 |
| | | | | | 256 | 0 | 0 | 114 | 575 | 0 | 0 | 112 |
| T25x40 | 1384 | 1375 | QV Solai | PolG | 0 | 0 | 0 | 144 | 256 | 0 | 0 | 142 |
| | | | | | 256 | 0 | 0 | 142 | 575 | 0 | 0 | 140 |
| **Trave 233** | | | | | | | | | | | | |
| T25x40 | 1382 | 1384 | Peso Proprio | UnifG | 0 | 0 | 0 | 250 | 53 | 0 | 0 | 250 |
| T25x40 | 1382 | 1384 | QP Solai | PolG | 0 | 0 | 0 | 6 | 53 | 0 | 0 | 5 |
| T25x40 | 1382 | 1384 | QFissi Solai | PolG | 0 | 0 | 0 | 3 | 53 | 0 | 0 | 2 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T25x40 | 1382 | 1384 | QV Solai | PolG | 0 | 0 | 0 | 3 | 53 | 0 | 0 | 3 |
| **Trave 234** | | | | | | | | | | | | |
| 30x20 | 2218 | 2220 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 60 | 0 | 0 | 150 |
| 30x20 | 2218 | 2220 | QP Solai | PolG | 14 | 0 | 0 | 528 | 60 | 0 | 0 | 527 |
| 30x20 | 2218 | 2220 | QFissi Solai | PolG | 0 | 0 | 0 | 562 | 60 | 0 | 0 | 561 |
| 30x20 | 2218 | 2220 | QV Solai | PolG | 0 | 0 | 0 | 603 | 60 | 0 | 0 | 601 |
| 30x20 | 2218 | 2220 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 422 | 60 | 0 | 0 | 421 |
| 30x20 | 2218 | 2220 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 301 | 60 | 0 | 0 | 300 |
| 30x20 | 2218 | 2220 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 181 | 60 | 0 | 0 | 180 |
| 30x20 | 2220 | 2221 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 145 | 0 | 0 | 150 |
| 30x20 | 2220 | 2221 | QP Solai | PolG | 0 | 0 | 0 | 527 | 145 | 0 | 0 | 523 |
| 30x20 | 2220 | 2221 | QFissi Solai | PolG | 0 | 0 | 0 | 561 | 145 | 0 | 0 | 557 |
| 30x20 | 2220 | 2221 | QV Solai | PolG | 0 | 0 | 0 | 601 | 145 | 0 | 0 | 597 |
| 30x20 | 2220 | 2221 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 421 | 145 | 0 | 0 | 418 |
| 30x20 | 2220 | 2221 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 300 | 145 | 0 | 0 | 298 |
| 30x20 | 2220 | 2221 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 180 | 145 | 0 | 0 | 179 |
| 30x20 | 2221 | 2223 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 42 | 0 | 0 | 150 |
| 30x20 | 2221 | 2223 | QP Solai | PolG | 0 | 0 | 0 | 523 | 42 | 0 | 0 | 522 |
| 30x20 | 2221 | 2223 | QFissi Solai | PolG | 0 | 0 | 0 | 557 | 42 | 0 | 0 | 556 |
| 30x20 | 2221 | 2223 | QV Solai | PolG | 0 | 0 | 0 | 596 | 42 | 0 | 0 | 595 |
| 30x20 | 2221 | 2223 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 418 | 42 | 0 | 0 | 417 |
| 30x20 | 2221 | 2223 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 298 | 42 | 0 | 0 | 298 |
| 30x20 | 2221 | 2223 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 179 | 42 | 0 | 0 | 179 |
| 30x20 | 2223 | 2225 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 423 | 0 | 0 | 150 |
| 30x20 | 2223 | 2225 | QP Solai | PolG | 0 | 0 | 0 | 522 | 16 | 0 | 0 | 522 |
| | | | | | 16 | 0 | 0 | 541 | 423 | 0 | 0 | 517 |
| 30x20 | 2223 | 2225 | QFissi Solai | PolG | 0 | 0 | 0 | 573 | 423 | 0 | 0 | 550 |
| 30x20 | 2223 | 2225 | QV Solai | PolG | 0 | 0 | 0 | 616 | 423 | 0 | 0 | 590 |
| 30x20 | 2223 | 2225 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 437 | 423 | 0 | 0 | 415 |
| 30x20 | 2223 | 2225 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 316 | 423 | 0 | 0 | 298 |
| 30x20 | 2223 | 2225 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 195 | 423 | 0 | 0 | 181 |
| 30x20 | 2225 | 2227 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 120 | 0 | 0 | 150 |
| 30x20 | 2225 | 2227 | QP Solai | PolG | 0 | 0 | 0 | 517 | 120 | 0 | 0 | 510 |
| 30x20 | 222 | 222 | QFissi Solai | PolG | 0 | 0 | 0 | 550 | 120 | 0 | 0 | 544 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 7 | | | | | | | | | | |
| 30x20 | 2225 | 2227 | QV Solai | PolG | 0 | 0 | 0 | 590 | 120 | 0 | 0 | 583 |
| 30x20 | 2225 | 2227 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 415 | 120 | 0 | 0 | 409 |
| 30x20 | 2225 | 2227 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 298 | 120 | 0 | 0 | 293 |
| 30x20 | 2225 | 2227 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 181 | 120 | 0 | 0 | 177 |
| 30x20 | 2227 | 2229 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 117 | 0 | 0 | 150 |
| 30x20 | 2227 | 2229 | QP Solai | PolG | 0 | 0 | 0 | 510 | 85 | 0 | 0 | 505 |
| | | | | | 85 | 0 | 0 | 505 | 94 | 0 | 0 | 236 |
| | | | | | 94 | 0 | 0 | 236 | 98 | 0 | 0 | 102 |
| | | | | | 98 | 0 | 0 | 102 | 102 | 0 | 0 | 5 |
| 30x20 | 2227 | 2229 | QFissi Solai | PolG | 0 | 0 | 0 | 544 | 99 | 0 | 0 | 538 |
| | | | | | 99 | 0 | 0 | 538 | 108 | 0 | 0 | 254 |
| | | | | | 108 | 0 | 0 | 254 | 113 | 0 | 0 | 119 |
| | | | | | 113 | 0 | 0 | 119 | 117 | 0 | 0 | 5 |
| 30x20 | 2227 | 2229 | QV Solai | PolG | 0 | 0 | 0 | 583 | 99 | 0 | 0 | 577 |
| | | | | | 99 | 0 | 0 | 577 | 108 | 0 | 0 | 272 |
| | | | | | 108 | 0 | 0 | 272 | 113 | 0 | 0 | 128 |
| | | | | | 113 | 0 | 0 | 128 | 117 | 0 | 0 | 6 |
| 30x20 | 2227 | 2229 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 409 | 99 | 0 | 0 | 404 |
| | | | | | 99 | 0 | 0 | 404 | 108 | 0 | 0 | 190 |
| | | | | | 108 | 0 | 0 | 190 | 113 | 0 | 0 | 89 |
| | | | | | 113 | 0 | 0 | 89 | 117 | 0 | 0 | 4 |
| 30x20 | 2227 | 2229 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 293 | 99 | 0 | 0 | 289 |
| | | | | | 99 | 0 | 0 | 289 | 108 | 0 | 0 | 136 |
| | | | | | 108 | 0 | 0 | 136 | 113 | 0 | 0 | 64 |
| | | | | | 113 | 0 | 0 | 64 | 117 | 0 | 0 | 3 |
| 30x20 | 2227 | 2229 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 177 | 99 | 0 | 0 | 173 |
| | | | | | 99 | 0 | 0 | 173 | 108 | 0 | 0 | 82 |
| | | | | | 108 | 0 | 0 | 82 | 113 | 0 | 0 | 38 |
| | | | | | 113 | 0 | 0 | 38 | 117 | 0 | 0 | 2 |
| **Trave 301** | | | | | | | | | | | | |
| 30x20 | 3001 | 3086 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 1072 | 0 | 0 | 150 |
| 30x20 | 3001 | 3086 | QP Solai | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 861 |
| | | | | | 33 | 0 | 0 | 861 | 477 | 0 | 0 | 859 |
| | | | | | 477 | 0 | 0 | 859 | 650 | 0 | 0 | 858 |
| | | | | | 650 | 0 | 0 | 858 | 1072 | 0 | 0 | 856 |
| 30x20 | 3001 | 3086 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 369 |
| | | | | | 33 | 0 | 0 | 369 | 650 | 0 | 0 | 368 |
| | | | | | 650 | 0 | 0 | 368 | 1072 | 0 | 0 | 367 |
| 30x20 | 3001 | 3086 | QV Solai | PolG | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 461 |
| | | | | | 33 | 0 | 0 | 461 | 650 | 0 | 0 | 460 |
| | | | | | 650 | 0 | 0 | 460 | 1072 | 0 | 0 | 459 |
| 30x20 | 3086 | 3230 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 1348 | 0 | 0 | 150 |
| 30x20 | 3086 | 3230 | QP Solai | PolG | 0 | 0 | 0 | 857 | 342 | 0 | 0 | 874 |
| | | | | | 342 | 0 | 0 | 874 | 1335 | 0 | 0 | 924 |
| | | | | | 1335 | 0 | 0 | 924 | 1348 | 0 | 0 | 0 |
| 30x20 | 308 | 323 | QFissi Solai | PolG | 0 | 0 | 0 | 367 | 342 | 0 | 0 | 374 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 0 | | | | | | | | | | |
| | | | | | 342 | 0 | 0 | 374 | 1335 | 0 | 0 | 396 |
| | | | | | 1335 | 0 | 0 | 396 | 1348 | 0 | 0 | 0 |
| 30x20 | 3086 | 3230 | QV Solai | PolG | 0 | 0 | 0 | 459 | 342 | 0 | 0 | 468 |
| | | | | | 342 | 0 | 0 | 468 | 1335 | 0 | 0 | 495 |
| | | | | | 1335 | 0 | 0 | 495 | 1348 | 0 | 0 | 0 |
| 30x20 | 3230 | 3261 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 476 | 0 | 0 | 150 |
| 30x20 | 3230 | 3261 | QP Solai | PolG | 0 | 0 | 0 | 0 | 476 | 0 | 0 | 26 |
| 30x20 | 3230 | 3261 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 476 | 0 | 0 | 11 |
| 30x20 | 3230 | 3261 | QV Solai | PolG | 0 | 0 | 0 | 0 | 476 | 0 | 0 | 14 |
| **Trave 302** | | | | | | | | | | | | |
| 30x20 | 3006 | 3020 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 444 | 0 | 0 | 150 |
| 30x20 | 3006 | 3020 | QP Solai | PolG | 0 | 0 | 0 | 860 | 444 | 0 | 0 | 859 |
| 30x20 | 3006 | 3020 | QFissi Solai | PolG | 0 | 0 | 0 | 369 | 444 | 0 | 0 | 368 |
| 30x20 | 3006 | 3020 | QV Solai | PolG | 0 | 0 | 0 | 461 | 444 | 0 | 0 | 460 |
| 30x20 | 3020 | 3038 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 173 | 0 | 0 | 150 |
| 30x20 | 3020 | 3038 | QP Solai | PolG | 0 | 0 | 0 | 859 | 173 | 0 | 0 | 858 |
| 30x20 | 3020 | 3038 | QFissi Solai | PolG | 0 | 0 | 0 | 368 | 173 | 0 | 0 | 368 |
| 30x20 | 3020 | 3038 | QV Solai | PolG | 0 | 0 | 0 | 460 | 173 | 0 | 0 | 460 |
| 30x20 | 3038 | 3089 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 426 | 0 | 0 | 150 |
| 30x20 | 3038 | 3089 | QP Solai | PolG | 0 | 0 | 0 | 858 | 426 | 0 | 0 | 856 |
| 30x20 | 3038 | 3089 | QFissi Solai | PolG | 0 | 0 | 0 | 368 | 426 | 0 | 0 | 367 |
| 30x20 | 3038 | 3089 | QV Solai | PolG | 0 | 0 | 0 | 460 | 426 | 0 | 0 | 459 |
| 30x20 | 3089 | 3111 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 339 | 0 | 0 | 150 |
| 30x20 | 3089 | 3111 | QP Solai | PolG | 0 | 0 | 0 | 855 | 339 | 0 | 0 | 872 |
| 30x20 | 3089 | 3111 | QFissi Solai | PolG | 0 | 0 | 0 | 366 | 339 | 0 | 0 | 374 |
| 30x20 | 3089 | 3111 | QV Solai | PolG | 0 | 0 | 0 | 458 | 339 | 0 | 0 | 467 |
| 30x20 | 3111 | 3224 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 995 | 0 | 0 | 150 |
| 30x20 | 3111 | 3224 | QP Solai | PolG | 0 | 0 | 0 | 872 | 995 | 0 | 0 | 922 |
| 30x20 | 3111 | 3224 | QFissi Solai | PolG | 0 | 0 | 0 | 374 | 995 | 0 | 0 | 395 |
| 30x20 | 3111 | 3224 | QV Solai | PolG | 0 | 0 | 0 | 467 | 995 | 0 | 0 | 494 |
| **Trave 303** | | | | | | | | | | | | |
| 30x20 | 3217 | 3224 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 247 | 0 | 0 | 150 |
| 30x20 | 3217 | 3224 | QP Solai | PolG | 0 | 0 | 0 | 703 | 247 | 0 | 0 | 693 |
| 30x20 | 3217 | 3224 | QFissi Solai | PolG | 0 | 0 | 0 | 301 | 247 | 0 | 0 | 297 |
| 30x20 | 3217 | 3224 | QV Solai | PolG | 0 | 0 | 0 | 377 | 247 | 0 | 0 | 371 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30x20 | 3224 | 3230 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 660 | 0 | 0 | 150 |
| 30x20 | 3224 | 3230 | QP Solai | PolG | 0 | 0 | 0 | 712 | 642 | 0 | 0 | 666 |
| | | | | | 642 | 0 | 0 | 666 | 660 | 0 | 0 | 0 |
| 30x20 | 3224 | 3230 | QFissi Solai | PolG | 0 | 0 | 0 | 305 | 642 | 0 | 0 | 286 |
| | | | | | 642 | 0 | 0 | 286 | 660 | 0 | 0 | 0 |
| 30x20 | 3224 | 3230 | QV Solai | PolG | 0 | 0 | 0 | 381 | 642 | 0 | 0 | 357 |
| | | | | | 642 | 0 | 0 | 357 | 660 | 0 | 0 | 0 |
| **Trave 304** | | | | | | | | | | | | |
| 30x20 | 3217 | 3177 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 188 | 0 | 0 | 150 |
| 30x20 | 3264 | 3217 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 504 | 0 | 0 | 150 |
| 30x20 | 3264 | 3217 | QP Solai | PolG | 0 | 0 | 0 | 0 | 504 | 0 | 0 | 57 |
| 30x20 | 3264 | 3217 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 504 | 0 | 0 | 24 |
| 30x20 | 3264 | 3217 | QV Solai | PolG | 0 | 0 | 0 | 0 | 504 | 0 | 0 | 30 |
| **Trave 305** | | | | | | | | | | | | |
| 30x20 | 3001 | 3006 | Peso Proprio | UnifG | 0 | 0 | 0 | 150 | 615 | 0 | 0 | 150 |
| 30x20 | 3001 | 3006 | QP Solai | PolG | 0 | 0 | 0 | 0 | 615 | 0 | 0 | 46 |
| 30x20 | 3001 | 3006 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 615 | 0 | 0 | 20 |
| 30x20 | 3001 | 3006 | QV Solai | PolG | 0 | 0 | 0 | 0 | 615 | 0 | 0 | 25 |
| **Trave 306** | | | | | | | | | | | | |
| 30x70 | 3264 | 3261 | Peso Proprio | UnifG | 0 | 0 | 0 | 525 | 929 | 0 | 0 | 525 |
| 30x70 | 3264 | 3261 | QP Solai | PolG | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 703 |
| | | | | | 41 | 0 | 0 | 703 | 288 | 0 | 0 | 693 |
| | | | | | 288 | 0 | 0 | 693 | 929 | 0 | 0 | 666 |
| 30x70 | 3264 | 3261 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 301 |
| | | | | | 41 | 0 | 0 | 301 | 288 | 0 | 0 | 297 |
| | | | | | 288 | 0 | 0 | 297 | 929 | 0 | 0 | 285 |
| 30x70 | 3264 | 3261 | QV Solai | PolG | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 377 |
| | | | | | 41 | 0 | 0 | 377 | 288 | 0 | 0 | 371 |
| | | | | | 288 | 0 | 0 | 371 | 929 | 0 | 0 | 357 |
| **Fondazione 0** | | | | | | | | | | | | |
| Fond | 1 | 101 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 2000 | 0 | 0 | 1920 |
| **Fondazione 1** | | | | | | | | | | | | |
| Fond | 101 | 100 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 1190 | 0 | 0 | 1920 |
| **Fondazione 9001** | | | | | | | | | | | | |
| Fond | 62 | 88 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 187 | 0 | 0 | 1920 |
| Fond | 88 | 114 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 341 | 0 | 0 | 1920 |
| Fond | 114 | 153 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 424 | 0 | 0 | 1920 |
| Fond | 153 | 191 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 409 | 0 | 0 | 1920 |
| Fond | 191 | 271 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 674 | 0 | 0 | 1920 |
| **Fondazione 9002** | | | | | | | | | | | | |
| Fond | 176 | 175 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 193 | 0 | 0 | 1920 |
| Fond | 178 | 176 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 53 | 0 | 0 | 1920 |
| Fond | 179 | 178 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 275 | 0 | 0 | 1920 |
| Fond | 182 | 179 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 160 | 0 | 0 | 1920 |
| Fond | 184 | 182 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 292 | 0 | 0 | 1920 |
| Fond | 185 | 184 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 318 | 0 | 0 | 1920 |
| Fond | 188 | 185 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 160 | 0 | 0 | 1920 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fond | 189 | 188 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 298 | 0 | 0 | 1920 |
| Fond | 191 | 189 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 192 | 0 | 0 | 1920 |
| Fond | 194 | 191 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 483 | 0 | 0 | 1920 |
| **Fondazione 9003** | | | | | | | | | | | | |
| Fond | 31 | 70 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 392 | 0 | 0 | 1920 |
| **Fondazione 9004** | | | | | | | | | | | | |
| Fond | 14 | 52 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 585 | 0 | 0 | 1920 |
| **Fondazione 9005** | | | | | | | | | | | | |
| Fond | 49 | 75 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 182 | 0 | 0 | 1920 |
| **Fondazione 9006** | | | | | | | | | | | | |
| Fond | 232 | 204 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 120 | 0 | 0 | 1920 |
| Fond | 247 | 232 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 330 | 0 | 0 | 1920 |
| Fond | 259 | 247 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 120 | 0 | 0 | 1920 |
| Fond | 275 | 259 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 515 | 0 | 0 | 1920 |
| **Fondazione 9007** | | | | | | | | | | | | |
| Fond | 278 | 275 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 563 | 0 | 0 | 1920 |
| **Fondazione 9008** | | | | | | | | | | | | |
| Fond | 119 | 112 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 624 | 0 | 0 | 1920 |
| **Fondazione 9009** | | | | | | | | | | | | |
| Fond | 160 | 163 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 199 | 0 | 0 | 1920 |
| Fond | 160 | 156 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 644 | 0 | 0 | 1920 |
| **Fondazione 9010** | | | | | | | | | | | | |
| Fond | 130 | 134 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 199 | 0 | 0 | 1920 |
| **Fondazione 9011** | | | | | | | | | | | | |
| Fond | 132 | 128 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 187 | 0 | 0 | 1920 |
| **Fondazione 9012** | | | | | | | | | | | | |
| Fond | 12 | 15 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 236 | 0 | 0 | 1920 |
| **Fondazione 9013** | | | | | | | | | | | | |
| Fond | 73 | 122 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 479 | 0 | 0 | 1920 |
| Fond | 122 | 194 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 847 | 0 | 0 | 1920 |
| Fond | 194 | 273 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 649 | 0 | 0 | 1920 |
| **Fondazione 9014** | | | | | | | | | | | | |
| Fond | 253 | 252 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 239 | 0 | 0 | 1920 |
| Fond | 254 | 253 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 90 | 0 | 0 | 1920 |
| Fond | 255 | 254 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 43 | 0 | 0 | 1920 |
| Fond | 259 | 255 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 557 | 0 | 0 | 1920 |
| Fond | 261 | 259 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 621 | 0 | 0 | 1920 |
| Fond | 263 | 261 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 929 | 0 | 0 | 1920 |
| Fond | 267 | 263 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 672 | 0 | 0 | 1920 |
| Fond | 269 | 267 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 733 | 0 | 0 | 1920 |
| Fond | 271 | 269 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 186 | 0 | 0 | 1920 |
| Fond | 273 | 271 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 531 | 0 | 0 | 1920 |
| **Fondazione 9015** | | | | | | | | | | | | |
| Fond | 153 | 150 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 196 | 0 | 0 | 1920 |
| **Fondazione 9016** | | | | | | | | | | | | |
| Fond | 198 | 184 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 82 | 0 | 0 | 1920 |
| Fond | 250 | 198 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 505 | 0 | 0 | 1920 |
| Fond | 267 | 250 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 95 | 0 | 0 | 1920 |
| **Fondazione 9017** | | | | | | | | | | | | |
| Fond | 217 | 178 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 188 | 0 | 0 | 1920 |
| Fond | 263 | 217 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 504 | 0 | 0 | 1920 |
| **Fondazione 9018** | | | | | | | | | | | | |
| Fond | 54 | 55 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 55 | 0 | 0 | 1920 |
| Fond | 55 | 56 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 380 | 0 | 0 | 1920 |
| Fond | 56 | 58 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 57 | 0 | 0 | 1920 |
| Fond | 58 | 59 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 50 | 0 | 0 | 1920 |
| Fond | 59 | 65 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 380 | 0 | 0 | 1920 |
| Fond | 65 | 66 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 35 | 0 | 0 | 1920 |
| Fond | 66 | 69 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 50 | 0 | 0 | 1920 |
| Fond | 69 | 74 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 405 | 0 | 0 | 1920 |
| Fond | 74 | 75 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 63 | 0 | 0 | 1920 |
| Fond | 75 | 77 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 57 | 0 | 0 | 1920 |
| Fond | 77 | 84 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 405 | 0 | 0 | 1920 |
| Fond | 84 | 88 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 32 | 0 | 0 | 1920 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fondazione 9019** | | | | | | | | | | | | |
| Fond | 46 | 41 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 486 | 0 | 0 | 1920 |
| Fond | 49 | 46 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 537 | 0 | 0 | 1920 |
| Fond | 52 | 49 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 53 | 0 | 0 | 1920 |
| Fond | 62 | 52 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 423 | 0 | 0 | 1920 |
| Fond | 70 | 62 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 284 | 0 | 0 | 1920 |
| Fond | 73 | 70 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 103 | 0 | 0 | 1920 |
| **Fondazione 9020** | | | | | | | | | | | | |
| Fond | 8 | 28 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 446 | 0 | 0 | 1920 |
| Fond | 28 | 41 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 147 | 0 | 0 | 1920 |
| Fond | 41 | 58 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 178 | 0 | 0 | 1920 |
| **Fondazione 9021** | | | | | | | | | | | | |
| Fond | 10 | 46 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 583 | 0 | 0 | 1920 |
| Fond | 46 | 66 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 179 | 0 | 0 | 1920 |
| **Fondazione 9022** | | | | | | | | | | | | |
| Fond | 1 | 3 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 375 | 0 | 0 | 1920 |
| Fond | 3 | 5 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 240 | 0 | 0 | 1920 |
| Fond | 5 | 8 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 552 | 0 | 0 | 1920 |
| Fond | 8 | 10 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 560 | 0 | 0 | 1920 |
| Fond | 10 | 14 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 584 | 0 | 0 | 1920 |
| Fond | 14 | 18 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 393 | 0 | 0 | 1920 |
| **Fondazione 9023** | | | | | | | | | | | | |
| Fond | 18 | 19 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 80 | 0 | 0 | 1920 |
| Fond | 19 | 26 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 200 | 0 | 0 | 1920 |
| Fond | 26 | 31 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 79 | 0 | 0 | 1920 |
| **Fondazione 9024** | | | | | | | | | | | | |
| Fond | 1 | 35 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 626 | 0 | 0 | 1920 |
| Fond | 35 | 86 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 447 | 0 | 0 | 1920 |
| Fond | 86 | 119 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 350 | 0 | 0 | 1920 |
| Fond | 119 | 130 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 227 | 0 | 0 | 1920 |
| Fond | 130 | 160 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 329 | 0 | 0 | 1920 |
| Fond | 160 | 213 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 348 | 0 | 0 | 1920 |
| Fond | 213 | 231 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 94 | 0 | 0 | 1920 |
| Fond | 231 | 261 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 476 | 0 | 0 | 1920 |
| **Fondazione 9025** | | | | | | | | | | | | |
| Fond | 23 | 21 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 101 | 0 | 0 | 1920 |
| Fond | 28 | 23 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 502 | 0 | 0 | 1920 |
| **Fondazione 9026** | | | | | | | | | | | | |
| Fond | 5 | 15 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 209 | 0 | 0 | 1920 |
| Fond | 15 | 21 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 235 | 0 | 0 | 1920 |
| Fond | 21 | 39 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 173 | 0 | 0 | 1920 |
| Fond | 39 | 44 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 63 | 0 | 0 | 1920 |
| Fond | 44 | 79 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 325 | 0 | 0 | 1920 |
| Fond | 79 | 90 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 38 | 0 | 0 | 1920 |
| Fond | 90 | 112 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 339 | 0 | 0 | 1920 |
| Fond | 112 | 132 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 242 | 0 | 0 | 1920 |
| Fond | 132 | 156 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 303 | 0 | 0 | 1920 |
| Fond | 156 | 175 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 252 | 0 | 0 | 1920 |
| Fond | 175 | 224 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 197 | 0 | 0 | 1920 |
| **Fondazione 9027** | | | | | | | | | | | | |
| Fond | 86 | 98 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 1309 | 0 | 0 | 1920 |
| Fond | 90 | 86 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 612 | 0 | 0 | 1920 |
| Fond | 91 | 90 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 183 | 0 | 0 | 1920 |
| Fond | 98 | 100 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 535 | 0 | 0 | 1920 |
| **Fondazione 9028** | | | | | | | | | | | | |
| Fond | 100 | 105 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 120 | 0 | 0 | 1920 |
| Fond | 105 | 125 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 285 | 0 | 0 | 1920 |
| Fond | 125 | 140 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 134 | 0 | 0 | 1920 |
| Fond | 140 | 197 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 587 | 0 | 0 | 1920 |
| Fond | 197 | 235 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 197 | 0 | 0 | 1920 |
| **Fondazione 9029** | | | | | | | | | | | | |
| Fond | 235 | 252 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 441 | 0 | 0 | 1920 |
| Fond | 252 | 278 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 638 | 0 | 0 | 1920 |
| **Fondazione 9030** | | | | | | | | | | | | |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fond | 199 | 197 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 452 | 0 | 0 | 1920 |
| Fond | 200 | 199 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 90 | 0 | 0 | 1920 |
| Fond | 201 | 200 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 38 | 0 | 0 | 1920 |
| Fond | 204 | 201 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 586 | 0 | 0 | 1920 |
| Fond | 207 | 204 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 281 | 0 | 0 | 1920 |
| Fond | 209 | 207 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 120 | 0 | 0 | 1920 |
| Fond | 213 | 209 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 210 | 0 | 0 | 1920 |
| **Fondazione 9031** | | | | | | | | | | | | |
| Fond | 148 | 162 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 220 | 0 | 0 | 1920 |
| Fond | 162 | 168 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 140 | 0 | 0 | 1920 |
| Fond | 168 | 201 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 196 | 0 | 0 | 1920 |
| Fond | 201 | 242 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 324 | 0 | 0 | 1920 |
| Fond | 242 | 246 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 120 | 0 | 0 | 1920 |
| Fond | 246 | 255 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 128 | 0 | 0 | 1920 |
| **Fondazione 9032** | | | | | | | | | | | | |
| Fond | 140 | 146 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 530 | 0 | 0 | 1920 |
| Fond | 146 | 148 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 69 | 0 | 0 | 1920 |
| **Fondazione 9033** | | | | | | | | | | | | |
| Fond | 98 | 104 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 135 | 0 | 0 | 1920 |
| Fond | 104 | 136 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 386 | 0 | 0 | 1920 |
| Fond | 136 | 146 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 82 | 0 | 0 | 1920 |
| **Fondazione 9034** | | | | | | | | | | | | |
| Fond | 217 | 224 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 247 | 0 | 0 | 1920 |
| Fond | 224 | 231 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 660 | 0 | 0 | 1920 |
| **Fondazione 9035** | | | | | | | | | | | | |
| Fond | 23 | 30 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 40 | 0 | 0 | 1920 |
| Fond | 30 | 78 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 500 | 0 | 0 | 1920 |
| Fond | 78 | 91 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 56 | 0 | 0 | 1920 |
| Fond | 91 | 128 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 565 | 0 | 0 | 1920 |
| Fond | 128 | 138 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 59 | 0 | 0 | 1920 |
| Fond | 138 | 170 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 470 | 0 | 0 | 1920 |
| Fond | 170 | 176 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 46 | 0 | 0 | 1920 |
| **Fondazione 9036** | | | | | | | | | | | | |
| Fond | 81 | 83 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 20 | 0 | 0 | 1920 |
| Fond | 83 | 108 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 310 | 0 | 0 | 1920 |
| Fond | 108 | 109 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 39 | 0 | 0 | 1920 |
| Fond | 109 | 123 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 51 | 0 | 0 | 1920 |
| Fond | 123 | 149 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 310 | 0 | 0 | 1920 |
| Fond | 149 | 150 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 55 | 0 | 0 | 1920 |
| Fond | 150 | 155 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 55 | 0 | 0 | 1920 |
| Fond | 155 | 173 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 325 | 0 | 0 | 1920 |
| Fond | 173 | 189 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 39 | 0 | 0 | 1920 |
| Fond | 189 | 269 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 675 | 0 | 0 | 1920 |
| **Fondazione 9037** | | | | | | | | | | | | |
| Fond | 35 | 37 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 385 | 0 | 0 | 1920 |
| Fond | 37 | 39 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 228 | 0 | 0 | 1920 |
| **Fondazione 9038** | | | | | | | | | | | | |
| Fond | 3 | 12 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 209 | 0 | 0 | 1920 |
| Fond | 12 | 37 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 411 | 0 | 0 | 1920 |
| **Fondazione 9039** | | | | | | | | | | | | |
| Fond | 110 | 109 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 36 | 0 | 0 | 1920 |
| Fond | 113 | 110 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 135 | 0 | 0 | 1920 |
| Fond | 114 | 113 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 30 | 0 | 0 | 1920 |
| Fond | 122 | 114 | Peso Proprio | UnifG | 0 | 0 | 0 | 1920 | 421 | 0 | 0 | 1920 |
| **Generica 0** | | | | | | | | | | | | |
| Sezione Nulla | 1095 | 1135 | QP Solai | PolG | 15 | 0 | 0 | 163 | 143 | 0 | 0 | 195 |
| | | | | | 143 | 0 | 0 | 195 | 263 | 0 | 0 | 226 |
| | | | | | 263 | 0 | 0 | 226 | 339 | 0 | 0 | 245 |
| | | | | | 339 | 0 | 0 | 245 | 442 | 0 | 0 | 271 |
| | | | | | 442 | 0 | 0 | 271 | 534 | 0 | 0 | 294 |
| | | | | | 534 | 0 | 0 | 294 | 552 | 0 | 0 | 299 |
| | | | | | 552 | 0 | 0 | 299 | 559 | 0 | 0 | 161 |
| Sezione | 109 | 113 | QFissi Solai | PolG | 0 | 0 | 0 | 69 | 141 | 0 | 0 | 82 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nulla | 5 | 5 | | | | | | | | | | |
| | | | | | 141 | 0 | 0 | 82 | 262 | 0 | 0 | 94 |
| | | | | | 262 | 0 | 0 | 94 | 337 | 0 | 0 | 101 |
| | | | | | 337 | 0 | 0 | 101 | 533 | 0 | 0 | 119 |
| | | | | | 533 | 0 | 0 | 119 | 539 | 0 | 0 | 120 |
| | | | | | 539 | 0 | 0 | 120 | 565 | 0 | 0 | 122 |
| | | | | | 565 | 0 | 0 | 122 | 574 | 0 | 0 | 64 |
| Sezione Nulla | 1095 | 1135 | QV Solai | PolG | 0 | 0 | 0 | 69 | 141 | 0 | 0 | 82 |
| | | | | | 141 | 0 | 0 | 82 | 262 | 0 | 0 | 94 |
| | | | | | 262 | 0 | 0 | 94 | 337 | 0 | 0 | 101 |
| | | | | | 337 | 0 | 0 | 101 | 533 | 0 | 0 | 119 |
| | | | | | 533 | 0 | 0 | 119 | 539 | 0 | 0 | 120 |
| | | | | | 539 | 0 | 0 | 120 | 565 | 0 | 0 | 122 |
| | | | | | 565 | 0 | 0 | 122 | 574 | 0 | 0 | 64 |
| Sezione Nulla | 1095 | 1135 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 48 | 141 | 0 | 0 | 58 |
| | | | | | 141 | 0 | 0 | 58 | 262 | 0 | 0 | 66 |
| | | | | | 262 | 0 | 0 | 66 | 337 | 0 | 0 | 71 |
| | | | | | 337 | 0 | 0 | 71 | 533 | 0 | 0 | 84 |
| | | | | | 533 | 0 | 0 | 84 | 539 | 0 | 0 | 84 |
| | | | | | 539 | 0 | 0 | 84 | 565 | 0 | 0 | 86 |
| | | | | | 565 | 0 | 0 | 86 | 574 | 0 | 0 | 45 |
| Sezione Nulla | 1095 | 1135 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 48 | 141 | 0 | 0 | 58 |
| | | | | | 141 | 0 | 0 | 58 | 262 | 0 | 0 | 66 |
| | | | | | 262 | 0 | 0 | 66 | 337 | 0 | 0 | 71 |
| | | | | | 337 | 0 | 0 | 71 | 533 | 0 | 0 | 84 |
| | | | | | 533 | 0 | 0 | 84 | 539 | 0 | 0 | 84 |
| | | | | | 539 | 0 | 0 | 84 | 565 | 0 | 0 | 86 |
| | | | | | 565 | 0 | 0 | 86 | 574 | 0 | 0 | 45 |
| Sezione Nulla | 1095 | 1135 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 41 | 141 | 0 | 0 | 49 |
| | | | | | 141 | 0 | 0 | 49 | 262 | 0 | 0 | 56 |
| | | | | | 262 | 0 | 0 | 56 | 337 | 0 | 0 | 60 |
| | | | | | 337 | 0 | 0 | 60 | 533 | 0 | 0 | 72 |
| | | | | | 533 | 0 | 0 | 72 | 539 | 0 | 0 | 72 |
| | | | | | 539 | 0 | 0 | 72 | 565 | 0 | 0 | 73 |
| | | | | | 565 | 0 | 0 | 73 | 574 | 0 | 0 | 38 |
| Sezione Nulla | 1135 | 1164 | QP Solai | PolG | 15 | 0 | 0 | 139 | 306 | 0 | 0 | 175 |
| | | | | | 306 | 0 | 0 | 175 | 311 | 0 | 0 | 37 |
| Sezione Nulla | 1135 | 1164 | QFissi Solai | PolG | 0 | 0 | 0 | 60 | 320 | 0 | 0 | 75 |
| | | | | | 320 | 0 | 0 | 75 | 326 | 0 | 0 | 15 |
| Sezione Nulla | 1135 | 1164 | QV Solai | PolG | 0 | 0 | 0 | 60 | 320 | 0 | 0 | 75 |
| | | | | | 320 | 0 | 0 | 75 | 326 | 0 | 0 | 15 |
| Sezione Nulla | 1135 | 1164 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 42 | 320 | 0 | 0 | 52 |
| | | | | | 320 | 0 | 0 | 52 | 326 | 0 | 0 | 11 |
| Sezione Nulla | 1135 | 1164 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 42 | 320 | 0 | 0 | 52 |
| | | | | | 320 | 0 | 0 | 52 | 326 | 0 | 0 | 11 |
| Sezione Nulla | 1135 | 1164 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 36 | 320 | 0 | 0 | 45 |
| | | | | | 320 | 0 | 0 | 45 | 326 | 0 | 0 | 9 |
| Sezione Nulla | 1164 | 1208 | QP Solai | PolG | 14 | 0 | 0 | 226 | 73 | 0 | 0 | 215 |
| | | | | | 73 | 0 | 0 | 215 | 193 | 0 | 0 | 194 |
| | | | | | 193 | 0 | 0 | 194 | 325 | 0 | 0 | 171 |
| Sezione Nulla | 1164 | 1208 | QFissi Solai | PolG | 0 | 0 | 0 | 95 | 73 | 0 | 0 | 90 |
| | | | | | 73 | 0 | 0 | 90 | 193 | 0 | 0 | 82 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 193 | 0 | 0 | 82 | 340 | 0 | 0 | 72 |
| Sezione Nulla | 1164 | 1208 | QV Solai | PolG | 0 | 0 | 0 | 95 | 73 | 0 | 0 | 90 |
| | | | | | 73 | 0 | 0 | 90 | 193 | 0 | 0 | 82 |
| | | | | | 193 | 0 | 0 | 82 | 340 | 0 | 0 | 72 |
| Sezione Nulla | 1164 | 1208 | QV SolaiPsi0 | PolG | 0 | 0 | 0 | 66 | 73 | 0 | 0 | 63 |
| | | | | | 73 | 0 | 0 | 63 | 193 | 0 | 0 | 57 |
| | | | | | 193 | 0 | 0 | 57 | 340 | 0 | 0 | 50 |
| Sezione Nulla | 1164 | 1208 | QV SolaiPsi1 | PolG | 0 | 0 | 0 | 66 | 73 | 0 | 0 | 63 |
| | | | | | 73 | 0 | 0 | 63 | 193 | 0 | 0 | 57 |
| | | | | | 193 | 0 | 0 | 57 | 340 | 0 | 0 | 50 |
| Sezione Nulla | 1164 | 1208 | QV SolaiPsi2 | PolG | 0 | 0 | 0 | 57 | 73 | 0 | 0 | 54 |
| | | | | | 73 | 0 | 0 | 54 | 193 | 0 | 0 | 49 |
| | | | | | 193 | 0 | 0 | 49 | 340 | 0 | 0 | 43 |
| Sezione Nulla | 1361 | 1367 | QP Solai | PolG | 0 | 0 | 0 | 15 | 178 | 0 | 0 | 15 |
| Sezione Nulla | 1361 | 1367 | QFissi Solai | PolG | 0 | 0 | 0 | 6 | 178 | 0 | 0 | 6 |
| Sezione Nulla | 1361 | 1367 | QV Solai | PolG | 0 | 0 | 0 | 8 | 178 | 0 | 0 | 8 |
| Sezione Nulla | 1367 | 1368 | QP Solai | PolG | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 243 |
| | | | | | 11 | 0 | 0 | 243 | 475 | 0 | 0 | 249 |
| | | | | | 475 | 0 | 0 | 249 | 486 | 0 | 0 | 249 |
| Sezione Nulla | 1367 | 1383 | QP Solai | PolG | 0 | 0 | 0 | 15 | 147 | 0 | 0 | 27 |
| Sezione Nulla | 1367 | 1368 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 104 |
| | | | | | 11 | 0 | 0 | 104 | 475 | 0 | 0 | 107 |
| | | | | | 475 | 0 | 0 | 107 | 486 | 0 | 0 | 107 |
| Sezione Nulla | 1367 | 1383 | QFissi Solai | PolG | 0 | 0 | 0 | 6 | 147 | 0 | 0 | 12 |
| Sezione Nulla | 1367 | 1383 | QV Solai | PolG | 0 | 0 | 0 | 8 | 147 | 0 | 0 | 14 |
| Sezione Nulla | 1367 | 1368 | QV Solai | PolG | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 130 |
| | | | | | 11 | 0 | 0 | 130 | 475 | 0 | 0 | 133 |
| | | | | | 475 | 0 | 0 | 133 | 486 | 0 | 0 | 134 |
| Sezione Nulla | 1368 | 1370 | QP Solai | PolG | 0 | 0 | 0 | 249 | 506 | 0 | 0 | 255 |
| | | | | | 506 | 0 | 0 | 255 | 794 | 0 | 0 | 259 |
| | | | | | 794 | 0 | 0 | 259 | 1013 | 0 | 0 | 0 |
| Sezione Nulla | 1368 | 1370 | QFissi Solai | PolG | 0 | 0 | 0 | 107 | 506 | 0 | 0 | 109 |
| | | | | | 506 | 0 | 0 | 109 | 794 | 0 | 0 | 111 |
| | | | | | 794 | 0 | 0 | 111 | 1013 | 0 | 0 | 0 |
| Sezione Nulla | 1368 | 1370 | QV Solai | PolG | 0 | 0 | 0 | 134 | 506 | 0 | 0 | 137 |
| | | | | | 506 | 0 | 0 | 137 | 794 | 0 | 0 | 139 |
| | | | | | 794 | 0 | 0 | 139 | 1013 | 0 | 0 | 0 |
| Sezione Nulla | 1370 | 1371 | QP Solai | PolG | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 286 |
| | | | | | 154 | 0 | 0 | 286 | 522 | 0 | 0 | 281 |
| | | | | | 522 | 0 | 0 | 281 | 529 | 0 | 0 | 281 |
| Sezione Nulla | 1370 | 1364 | QP Solai | PolG | 0 | 0 | 0 | 0 | 265 | 0 | 0 | 380 |
| Sezione Nulla | 1370 | 1364 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 265 | 0 | 0 | 163 |
| Sezione Nulla | 1370 | 1371 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 123 |
| | | | | | 154 | 0 | 0 | 123 | 522 | 0 | 0 | 120 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 522 | 0 | 0 | 120 | 529 | 0 | 0 | 120 |
| Sezione Nulla | 1370 | 1371 | QV Solai | PolG | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 153 |
| | | | | | 154 | 0 | 0 | 153 | 522 | 0 | 0 | 151 |
| | | | | | 522 | 0 | 0 | 151 | 529 | 0 | 0 | 151 |
| Sezione Nulla | 1370 | 1364 | QV Solai | PolG | 0 | 0 | 0 | 0 | 265 | 0 | 0 | 204 |
| Sezione Nulla | 1371 | 1372 | QP Solai | PolG | 0 | 0 | 0 | 281 | 411 | 0 | 0 | 275 |
| | | | | | 411 | 0 | 0 | 275 | 833 | 0 | 0 | 269 |
| Sezione Nulla | 1371 | 1372 | QFissi Solai | PolG | 0 | 0 | 0 | 120 | 411 | 0 | 0 | 118 |
| | | | | | 411 | 0 | 0 | 118 | 833 | 0 | 0 | 115 |
| Sezione Nulla | 1371 | 1372 | QV Solai | PolG | 0 | 0 | 0 | 151 | 411 | 0 | 0 | 147 |
| | | | | | 411 | 0 | 0 | 147 | 833 | 0 | 0 | 144 |
| Sezione Nulla | 1372 | 1369 | QP Solai | PolG | 0 | 0 | 0 | 0 | 192 | 0 | 0 | 5 |
| Sezione Nulla | 1372 | 1369 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 192 | 0 | 0 | 2 |
| Sezione Nulla | 1372 | 1369 | QV Solai | PolG | 0 | 0 | 0 | 0 | 192 | 0 | 0 | 3 |
| Sezione Nulla | 1376 | 1373 | QP Solai | PolG | 0 | 0 | 0 | 0 | 374 | 0 | 0 | 362 |
| Sezione Nulla | 1376 | 1377 | QP Solai | PolG | 0 | 0 | 0 | 0 | 352 | 0 | 0 | 208 |
| | | | | | 352 | 0 | 0 | 208 | 599 | 0 | 0 | 255 |
| Sezione Nulla | 1376 | 1377 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 352 | 0 | 0 | 89 |
| | | | | | 352 | 0 | 0 | 89 | 599 | 0 | 0 | 109 |
| Sezione Nulla | 1376 | 1373 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 374 | 0 | 0 | 155 |
| Sezione Nulla | 1376 | 1377 | QV Solai | PolG | 0 | 0 | 0 | 0 | 352 | 0 | 0 | 111 |
| | | | | | 352 | 0 | 0 | 111 | 599 | 0 | 0 | 137 |
| Sezione Nulla | 1376 | 1373 | QV Solai | PolG | 0 | 0 | 0 | 0 | 374 | 0 | 0 | 194 |
| Sezione Nulla | 1377 | 1378 | QP Solai | PolG | 0 | 0 | 0 | 255 | 339 | 0 | 0 | 259 |
| Sezione Nulla | 1377 | 1378 | QFissi Solai | PolG | 0 | 0 | 0 | 109 | 339 | 0 | 0 | 111 |
| Sezione Nulla | 1377 | 1378 | QV Solai | PolG | 0 | 0 | 0 | 137 | 339 | 0 | 0 | 139 |
| Sezione Nulla | 1378 | 1379 | QP Solai | PolG | 0 | 0 | 0 | 259 | 227 | 0 | 0 | 262 |
| | | | | | 227 | 0 | 0 | 262 | 546 | 0 | 0 | 266 |
| Sezione Nulla | 1378 | 1379 | QFissi Solai | PolG | 0 | 0 | 0 | 111 | 227 | 0 | 0 | 112 |
| | | | | | 227 | 0 | 0 | 112 | 546 | 0 | 0 | 114 |
| Sezione Nulla | 1378 | 1379 | QV Solai | PolG | 0 | 0 | 0 | 139 | 227 | 0 | 0 | 140 |
| | | | | | 227 | 0 | 0 | 140 | 546 | 0 | 0 | 142 |
| Sezione Nulla | 1379 | 1380 | QP Solai | PolG | 0 | 0 | 0 | 266 | 256 | 0 | 0 | 269 |
| | | | | | 256 | 0 | 0 | 343 | 444 | 0 | 0 | 345 |
| | | | | | 444 | 0 | 0 | 345 | 449 | 0 | 0 | 0 |
| Sezione Nulla | 1379 | 1380 | QFissi Solai | PolG | 0 | 0 | 0 | 114 | 256 | 0 | 0 | 115 |
| | | | | | 256 | 0 | 0 | 147 | 444 | 0 | 0 | 148 |
| | | | | | 444 | 0 | 0 | 148 | 449 | 0 | 0 | 0 |
| Sezione Nulla | 1379 | 1380 | QV Solai | PolG | 0 | 0 | 0 | 142 | 256 | 0 | 0 | 144 |
| | | | | | 256 | 0 | 0 | 184 | 444 | 0 | 0 | 185 |
| | | | | | 444 | 0 | 0 | 185 | 449 | 0 | 0 | 0 |
| Sezione | 138 | 138 | QP Solai | PolG | 0 | 0 | 0 | 0 | 247 | 0 | 0 | 7 |

| Sezione | Ni | Nf | Cond. | Tipo c. | Xi | QXi | QYi | QZi | Xf | QXf | QYf | QZf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nulla | 0 | 1 | | | | | | | | | | |
| Sezione Nulla | 1380 | 1381 | QFissi Solai | PolG | 0 | 0 | 0 | 0 | 247 | 0 | 0 | 3 |
| Sezione Nulla | 1380 | 1381 | QV Solai | PolG | 0 | 0 | 0 | 0 | 247 | 0 | 0 | 4 |
| Sezione Nulla | 1381 | 1382 | QP Solai | PolG | 0 | 0 | 0 | 345 | 188 | 0 | 0 | 343 |
| Sezione Nulla | 1381 | 1382 | QFissi Solai | PolG | 0 | 0 | 0 | 148 | 188 | 0 | 0 | 147 |
| Sezione Nulla | 1381 | 1382 | QV Solai | PolG | 0 | 0 | 0 | 185 | 188 | 0 | 0 | 184 |
| Sezione Nulla | 1383 | 1376 | QP Solai | Torcente | 0 | 0 | 0 | 0 | 473 | 80 | 0 | 0 |
| | | | | | 473 | 80 | 0 | 0 | 603 | 0 | 0 | 0 |
| Sezione Nulla | 1383 | 1376 | QP Solai | PolG | 0 | 0 | 0 | 453 | 473 | 0 | 0 | 482 |
| | | | | | 473 | 0 | 0 | 482 | 603 | 0 | 0 | 0 |
| Sezione Nulla | 1383 | 1376 | QFissi Solai | PolG | 0 | 0 | 0 | 194 | 473 | 0 | 0 | 207 |
| | | | | | 473 | 0 | 0 | 207 | 603 | 0 | 0 | 0 |
| Sezione Nulla | 1383 | 1376 | QFissi Solai | Torcente | 0 | 0 | 0 | 0 | 473 | 34 | 0 | 0 |
| | | | | | 473 | 34 | 0 | 0 | 603 | 0 | 0 | 0 |
| Sezione Nulla | 1383 | 1376 | QV Solai | PolG | 0 | 0 | 0 | 243 | 473 | 0 | 0 | 258 |
| | | | | | 473 | 0 | 0 | 258 | 603 | 0 | 0 | 0 |
| Sezione Nulla | 1383 | 1376 | QV Solai | Torcente | 0 | 0 | 0 | 0 | 473 | 43 | 0 | 0 |
| | | | | | 473 | 43 | 0 | 0 | 603 | 0 | 0 | 0 |

## Pareti - geometria e vincoli

| Parete | Nodi | Tipo | Materiale | Criterio | N.P. | N.P.X | N.P.Y | Spess. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | cm |
| 0 | 2-1099-2099-1 | Discreto | Tufo vulcanico | | 604 | | | 55 |
| 0 | 1012-2-1-2002 | Discreto | Tufo vulcanico | | 1010 | | | 55 |
| 0 | 1-101-2-1012 | Discreto | Tufo vulcanico | | 1030 | | | 55 |
| 0 | 101-100-1099-2 | Discreto | Tufo vulcanico | | 602 | | | 55 |
| 1 | 1-3-5-8-1007-1006-1004-1012 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 514 | | | 60 |
| 2 | 8-10-14-18-1017-1013-1009-1007 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 666 | | | 60 |
| 3 | 12-15-1016-1011 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 118 | | | 30 |
| 4 | 18-19-348-349-26-31-1032-1017 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 98 | | | 60 |
| 5 | 28-23-21-1020-1022-1024-1025-1029 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 245 | | | 60 |
| 6 | 35-37-39-1038-1036-1034 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 294 | | | 60 |
| 7 | 73-70-62-52-49-46-41-1040-1042-1043-1046-1047-1048-1050-1051-1060-1061-1063-1064-1068-1071-1072 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 709 | | | 70 |
| 8 | 54-55-295-296-297-298-299-300-301-302-303-304-305-306-307-56-58-1057-1053-294 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 68 | | | 60 |

| Parete | Nodi | Tipo | Materiale | Criterio | N.P. | N.P.X | N.P.Y | Spess. |
|---|---|---|---|---|---|---|---|---|
| 9 | 58-59-308-309-310-311-312-313-314-315-316-317-318-319-320-65-66-69-321-322-323-324-325-326-327-328-329-330-331-332-333-74-75-77-334-335-336-337-338-339-340-341-342-343-344-345-346-347-84-88-1087-1082-1076-1067-1057 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 247 | | | 60 |
| 10 | 91-90-86-1085-1089-1091 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 366 | | | 60 |
| 11 | 86-98-100-1099-1097-1095-1094-1093-1085 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 909 | | | 70 |
| 12 | 114-113-442-443-444-445-446-447-448-449-450-451-452-453-454-110-109-1109-1114 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 72 | | | 90 |
| 13 | 119-112-1111-1116-1118-1120 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 294 | | | 60 |
| 14 | 122-114-1114-1115-1117-1121 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 180 | | | 60 |
| 15 | 132-128-1129-1133 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 72 | | | 110 |
| 16 | 130-134-1135-1131 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 90 | | | 75 |
| 17 | 140-146-148-1147-1145-1144-1143-1139 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 295 | | | 55 |
| 18 | 153-152-429-430-431-432-433-434-435-436-437-438-439-440-441-151-150-1150-1154 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 68 | | | 90 |
| 19 | 160-156-1157-1158-1159-1161 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 304 | | | 85 |
| 20 | 160-163-1164-1161 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 94 | | | 75 |
| 21 | 191-189-188-455-456-457-458-459-460-461-462-463-464-465-466-467-185-184-182-468-469-470-471-472-473-474-475-476-477-478-479-480-179-178-176-175-1174-1176-1178-1180-1181-1183-1186-1187-1189-1190 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 816 | | | 60 |
| 22 | 194-191-1190-1192-1193-1195 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 235 | | | 60 |
| 23 | 213-209-354-355-207-204-201-200-356-357-199-197-1196-1201-1203-1205-1206-1208-1210-1211-1212 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 755 | | | 60 |
| 24 | 217-224-231-1229-1228-1226-1223-1222-1219-1216 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 362 | | | 100 |
| 25 | 259-255-254-279-280-253-252-1251-1256-1257-1258-1260 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 441 | | | 60 |
| 26 | 273-271-269-267-263-261-259-1260-1262-1265-1266-1268-1270-1274 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 1900 | | | 60 |
| 27 | 278-275-1276-1277 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 262 | | | 60 |
| 28 | 1012-1004-1006-1007-2007-2006-2002 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 492 | | | 50 |
| 29 | 1007-1009-1013-1017-2017-2009-2007 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 682 | | | 50 |
| 30 | 1017-1032-2032-2017 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 150 | | | 50 |

| Parete | Nodi | Tipo | Materiale | Criterio | N.P. | N.P.X | N.P.Y | Spess. |
|---|---|---|---|---|---|---|---|---|
| 31 | 1029-1025-1281-1282-1022-1020-1376-2020-2029-1383 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 265 | | | 50 |
| 32 | 1034-1036-1038-1422-2038-2034 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 296 | | | 50 |
| 33 | 1072-1071-1068-1301-1302-1064-1063-1061-1303-1304-1060-1051-1050-1048-1305-1306-1047-1046-1043-1307-1308-1042-1040-1367-2040-2046-2063-2071-2072 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 824 | | | 60 |
| 34 | 1085-1089-1377-2089-2085 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 294 | | | 55 |
| 35 | 1085-1093-1287-1288-1094-1095-1097-1099-2099-2097-2085 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 883 | | | 70 |
| 36 | 1120-1118-1293-1294-1116-1111-1378-2111-2120 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 262 | | | 50 |
| 37 | 1121-1117-1330-1331-1115-1114-1371-2114-2121 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 164 | | | 50 |
| 38 | 1139-1143-1285-1286-1144-1145-1147-2147-2145-2139 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 283 | | | 50 |
| 39 | 1161-1159-1295-1296-1158-1157-1379-2157-2161 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 266 | | | 50 |
| 40 | 1190-1189-1187-1351-1352-1186-1183-1181-1353-1354-1180-1178-1382-2178-2183-2189-2190-1372 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 756 | | | 60 |
| 41 | 1195-1193-1297-1298-1192-1190-1372-2190-2195 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 197 | | | 50 |
| 42 | 1212-1211-1347-1348-1210-1208-1206-1349-1350-1205-1203-1201-2202-2203-2212 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 472 | | | 50 |
| 43 | 1216-1219-1289-1290-1222-1223-1226-1291-1292-1228-1229-2229-2227-2225-2223-2221-2220-2218-1381 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 362 | | | 50 |
| 44 | 1260-1258-1279-1280-1257-1256-1251-2251-2256-2260 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 398 | | | 50 |
| 45 | 1274-1270-1268-1266-1265-1262-1260-2260-2262-2265-2266-2268-2272-2274 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 1936 | | | 60 |
| 46 | 1277-1276-2276-2277 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 282 | | | 50 |
| 47 | 2006-2002-3001-3006 | Discreto | Poroton | | 238 | | | 40 |
| 48 | 2218-2220-2283-2281-2221-2223-2225-2284-2282-2227-2229-3230-3224-3217 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 256 | | | 40 |
| 49 | 3-12-37-1036-1011-1004 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 298 | | | 60 |
| 50 | 8-28-41-58-1057-1040-1029-1007 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 354 | | | 65 |
| 51 | 10-46-66-1067-1046-1009 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 334 | | | 70 |
| 52 | 14-52-1051-1013 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 264 | | | 65 |
| 53 | 1-35-86-1085-1034-1012 | Discreto | Tufo | Muro_TufoVulcani | 522 | | | 60 |

| Parete | Nodi | Tipo | Materiale | Criterio | N.P. | N.P.X | N.P.Y | Spess. |
|---|---|---|---|---|---|---|---|---|
| | | | vulcanico | co | | | | |
| 54 | 5-15-21-39-44-481-482-483-484-485-486-487-488-489-490-491-492-493-79-90-1089-1080-1045-1038-1033-1027-1020-1016-1006 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 348 | | | 60 |
| 55 | 31-70-1071-1032 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 182 | | | 60 |
| 56 | 49-75-1076-1050 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 72 | | | 100 |
| 57 | 23-30-375-294-376-78-91-128-138-377-378-379-380-381-382-383-384-385-386-387-388-389-170-176-1176-1129-1091-1053-1024 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 372 | | | 65 |
| 58 | 98-104-362-363-364-365-366-367-368-369-370-371-372-373-374-136-146-1145-1097 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 166 | | | 55 |
| 59 | 62-88-114-153-191-1190-1169-1165-1154-1137-1124-1114-1103-1096-1087-1063 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 565 | | | 60 |
| 60 | 90-112-132-156-175-224-1223-1174-1157-1133-1111-1089 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 562 | | | 65 |
| 61 | 100-105-350-351-125-140-197-235-1236-1196-1139-1099 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 512 | | | 60 |
| 62 | 73-122-194-273-1274-1195-1121-1072 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 956 | | | 60 |
| 63 | 81-83-390-391-392-393-394-395-396-397-398-399-400-401-402-108-109-123-403-404-405-406-407-408-409-410-411-412-413-414-415-149-150-155-416-417-418-419-420-421-422-423-424-425-426-427-428-173-189-269-1268-1249-1214-1189-1150-1109-1082-341 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 517 | | | 65 |
| 64 | 86-119-130-160-213-231-261-1262-1243-1238-1229-1212-1172-1167-1161-1141-1131-1127-1120-1107-1102-1085 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 677 | | | 60 |
| 65 | 148-162-358-359-168-201-242-360-361-246-255-1256-1245-1237-1201-1147 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 462 | | | 55 |
| 66 | 263-217-178-1178-1216-1233-1240-1265 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 300 | | | 70 |
| 67 | 267-250-281-282-283-284-285-286-287-288-289-290-291-292-293-198-184-1183-1198-1250-1266 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 162 | | | 70 |
| 68 | 191-271-494-495-496-497-498-499-500-501-502-503-1270-1248-1215-1190 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 311 | | | 60 |
| 69 | 259-247-352-353-232-204-1203-1232-1247-1260 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 168 | | | 55 |
| 70 | 235-252-278-1277-1251-1236 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 534 | | | 60 |
| 71 | 275-259-1260-1276 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 250 | | | 60 |
| 72 | 1006-1016-1020-1376-2020-2006 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 214 | | | 50 |

| Parete | Nodi | Tipo | Materiale | Criterio | N.P. | N.P.X | N.P.Y | Spess. |
|---|---|---|---|---|---|---|---|---|
| 73 | 1007-1029-1040-1367-2040-2029-2007 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 280 | | | 50 |
| 74 | 1009-1046-1368-2046-2009 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 290 | | | 45 |
| 75 | 1012-1034-1085-2085-2034-2002 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 522 | | | 60 |
| 76 | 1020-1027-1436-1437-1033-1038-1422-2038-2033-2027-2020-1376 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 60 | | | 50 |
| 77 | 1032-1071-2071-2032 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 184 | | | 50 |
| 78 | 1038-1045-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1080-1089-1377-2089-2038-1422 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 106 | | | 50 |
| 79 | 1097-1145-2145-2097 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 182 | | | 55 |
| 80 | 1099-1139-2139-2099 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 242 | | | 55 |
| 81 | 1063-1087-1096-1355-1356-1103-1114-1124-1357-1358-1137-1154-1165-1359-1360-1169-1190-1372-2190-2114-2063-1370 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 567 | | | 55 |
| 82 | 1089-1111-1133-1157-1174-1223-1380-2223-2157-2111-2089-1377 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 574 | | | 50 |
| 83 | 1072-1121-1195-1274-2274-2195-2121-2072 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 984 | | | 40 |
| 84 | 1085-1102-1322-1323-1107-1120-1127-1324-1325-1141-1161-1167-1326-1327-1172-1212-1229-1238-1328-1329-1243-1262-2262-2244-2239-2229-2212-2171-2166-2161-2142-2126-2120-2106-2101-2085 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 712 | | | 50 |
| 85 | 1265-1240-1299-1300-1233-1216-1178-1382-2178-2218-2234-2241-2265 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 286 | | | 50 |
| 86 | 1266-1250-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1198-1183-2183-2266-1398-1397-1396-1395-1394-1393-1392-1391-1390-1389-1388-1387-1386-1385 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 169 | | | 55 |
| 87 | 1189-1214-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1249-1268-2268-2189-1369 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 204 | | | 55 |
| 88 | 1190-1215-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1248-1270-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-2272-2190-1372 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 207 | | | 55 |
| 89 | 1256-1245-1345-1346-1237-1201-2202-2256 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 240 | | | 45 |

| Parete | Nodi | Tipo | Materiale | Criterio | N.P. | N.P.X | N.P.Y | Spess. |
|---|---|---|---|---|---|---|---|---|
| 90 | 1260-1247-1283-1284-1232-1203-2203-2260 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 178 | | | 45 |
| 91 | 1276-1260-2260-2276 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 244 | | | 50 |
| 92 | 1251-1277-2277-2251 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 288 | | | 50 |
| 93 | 2006-2020-3020-3006 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 172 | | | 40 |
| 94 | 2002-2034-2085-3086-3001 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 394 | | | 40 |
| 95 | 2020-2027-2280-2279-2033-2038-3038-3020 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 44 | | | 40 |
| 96 | 2038-2089-3089-3038 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 168 | | | 40 |
| 97 | 2089-2111-2157-2223-3224-3111-3089 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 422 | | | 40 |
| 98 | 2085-2101-2287-2289-2106-2120-2126-2290-2291-2142-2161-2166-2288-2293-2171-2212-2229-2239-2292-2294-2244-2262-3261-3230-3086 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 538 | | | 40 |
| 99 | 2265-2241-2285-2286-2234-2218-2178-3177-3217-3264 | Discreto | Tufo vulcanico | Muro_TufoVulcanico | 204 | | | 40 |

# Muri - Carichi

Shell Indice dello shell
Cond. Condizione di carico
Tipo Tipologia di spinta
$\gamma$ Peso specifico: terreno o acqua
Q Valore del carico uniforme
Vert.1 Valore del carico nel primo vertice(1)
Vert.2 Valore del carico nel secondo vertice(1)
Vert.3 Valore del carico nel terzo vertice(1)
Vert.4 Valore del carico nel quarto vertice(1)
Hw Altezza del pelo libero dell'acqua
(1): Per shell con numero di vertici maggiori 4, per carichi trapezoidali, il valore del carico nei vertici e' stampato a gruppi di 4 secondo l'ordine con cui i vertici sono stati definiti

| Shell | Cond. | Tipo | Q | Vert.1 | Vert.2 | Vert.3 | Vert.4 | Hw | $\gamma$ |
|---|---|---|---|---|---|---|---|---|---|
| | | | kg/mq | kg/mq | kg/mq | kg/mq | kg/mq | cm | kg/mc |
| 0 | Peso Proprio | Peso Proprio kg | 48183 | | | | | | |
| 0 | Peso Proprio | Peso Proprio kg | 80960 | | | | | | |
| 0 | Peso Proprio | Peso Proprio kg | 80960 | | | | | | |
| 0 | Peso Proprio | Peso Proprio kg | 48183 | | | | | | |
| 1 | Peso Proprio | Peso Proprio kg | 48561 | | | | | | |
| 2 | Peso Proprio | Peso Proprio kg | 60862 | | | | | | |
| 3 | Peso Proprio | Peso Proprio kg | 5204 | | | | | | |
| 4 | Peso Proprio | Peso Proprio kg | 8946 | | | | | | |
| 5 | Peso Proprio | Peso Proprio kg | 23390 | | | | | | |
| 6 | Peso Proprio | Peso Proprio kg | 27070 | | | | | | |
| 7 | Peso Proprio | Peso Proprio kg | 78403 | | | | | | |
| 8 | Peso Proprio | Peso Proprio kg | 7140 | | | | | | |
| 9 | Peso Proprio | Peso Proprio kg | 21412 | | | | | | |
| 10 | Peso Proprio | Peso Proprio kg | 31197 | | | | | | |
| 11 | Peso Proprio | Peso Proprio kg | 93901 | | | | | | |
| 12 | Peso Proprio | Peso Proprio kg | 7430 | | | | | | |
| 13 | Peso Proprio | Peso Proprio kg | 27565 | | | | | | |

| Shell | Cond. | Tipo | Q | Vert.1 | Vert.2 | Vert.3 | Vert.4 | Hw | γ |
|---|---|---|---|---|---|---|---|---|---|
| 14 | Peso Proprio | Peso Proprio kg | 16527 | | | | | | |
| 15 | Peso Proprio | Peso Proprio kg | 7971 | | | | | | |
| 16 | Peso Proprio | Peso Proprio kg | 10974 | | | | | | |
| 17 | Peso Proprio | Peso Proprio kg | 24243 | | | | | | |
| 18 | Peso Proprio | Peso Proprio kg | 7138 | | | | | | |
| 19 | Peso Proprio | Peso Proprio kg | 40276 | | | | | | |
| 20 | Peso Proprio | Peso Proprio kg | 10963 | | | | | | |
| 21 | Peso Proprio | Peso Proprio kg | 76054 | | | | | | |
| 22 | Peso Proprio | Peso Proprio kg | 21307 | | | | | | |
| 23 | Peso Proprio | Peso Proprio kg | 68890 | | | | | | |
| 24 | Peso Proprio | Peso Proprio kg | 54204 | | | | | | |
| 25 | Peso Proprio | Peso Proprio kg | 39089 | | | | | | |
| 26 | Peso Proprio | Peso Proprio kg | 162111 | | | | | | |
| 27 | Peso Proprio | Peso Proprio kg | 24853 | | | | | | |
| 28 | Peso Proprio | Peso Proprio kg | 38124 | | | | | | |
| 29 | Peso Proprio | Peso Proprio kg | 51055 | | | | | | |
| 30 | Peso Proprio | Peso Proprio kg | 11935 | | | | | | |
| 31 | Peso Proprio | Peso Proprio kg | 19515 | | | | | | |
| 32 | Peso Proprio | Peso Proprio kg | 22558 | | | | | | |
| 33 | Peso Proprio | Peso Proprio kg | 71805 | | | | | | |
| 34 | Peso Proprio | Peso Proprio kg | 24790 | | | | | | |
| 35 | Peso Proprio | Peso Proprio kg | 90636 | | | | | | |
| 36 | Peso Proprio | Peso Proprio kg | 20571 | | | | | | |
| 37 | Peso Proprio | Peso Proprio kg | 13100 | | | | | | |
| 38 | Peso Proprio | Peso Proprio kg | 20528 | | | | | | |
| 39 | Peso Proprio | Peso Proprio kg | 21292 | | | | | | |
| 40 | Peso Proprio | Peso Proprio kg | 69339 | | | | | | |
| 41 | Peso Proprio | Peso Proprio kg | 15356 | | | | | | |
| 42 | Peso Proprio | Peso Proprio kg | 37189 | | | | | | |
| 43 | Peso Proprio | Peso Proprio kg | 28074 | | | | | | |
| 44 | Peso Proprio | Peso Proprio kg | 30559 | | | | | | |
| 45 | Peso Proprio | Peso Proprio kg | 162111 | | | | | | |
| 46 | Peso Proprio | Peso Proprio kg | 20711 | | | | | | |
| 47 | Peso Proprio | Peso Proprio kg | 8606 | | | | | | |
| 48 | Peso Proprio | Peso Proprio kg | 16075 | | | | | | |
| 49 | Peso Proprio | Peso Proprio kg | 27397 | | | | | | |
| 50 | Peso Proprio | Peso Proprio kg | 33721 | | | | | | |
| 51 | Peso Proprio | Peso Proprio kg | 35841 | | | | | | |
| 52 | Peso Proprio | Peso Proprio kg | 26359 | | | | | | |
| 53 | Peso Proprio | Peso Proprio kg | 47362 | | | | | | |
| 54 | Peso Proprio | Peso Proprio kg | 31417 | | | | | | |
| 55 | Peso Proprio | Peso Proprio kg | 17320 | | | | | | |
| 56 | Peso Proprio | Peso Proprio kg | 8586 | | | | | | |
| 57 | Peso Proprio | Peso Proprio kg | 34031 | | | | | | |
| 58 | Peso Proprio | Peso Proprio kg | 14015 | | | | | | |
| 59 | Peso Proprio | Peso Proprio kg | 51201 | | | | | | |
| 60 | Peso Proprio | Peso Proprio kg | 57205 | | | | | | |
| 61 | Peso Proprio | Peso Proprio kg | 46602 | | | | | | |
| 62 | Peso Proprio | Peso Proprio kg | 87220 | | | | | | |
| 63 | Peso Proprio | Peso Proprio kg | 49167 | | | | | | |
| 64 | Peso Proprio | Peso Proprio kg | 60897 | | | | | | |
| 65 | Peso Proprio | Peso Proprio kg | 39955 | | | | | | |
| 66 | Peso Proprio | Peso Proprio kg | 32835 | | | | | | |
| 67 | Peso Proprio | Peso Proprio kg | 18556 | | | | | | |
| 68 | Peso Proprio | Peso Proprio kg | 27735 | | | | | | |
| 69 | Peso Proprio | Peso Proprio kg | 14063 | | | | | | |
| 70 | Peso Proprio | Peso Proprio kg | 47627 | | | | | | |
| 71 | Peso Proprio | Peso Proprio kg | 22742 | | | | | | |
| 72 | Peso Proprio | Peso Proprio kg | 16347 | | | | | | |
| 73 | Peso Proprio | Peso Proprio kg | 21811 | | | | | | |
| 74 | Peso Proprio | Peso Proprio kg | 19306 | | | | | | |

| Shell | Cond. | Tipo | Q | Vert.1 | Vert.2 | Vert.3 | Vert.4 | Hw | γ |
|---|---|---|---|---|---|---|---|---|---|
| 75 | Peso Proprio | Peso Proprio kg | 47362 | | | | | | |
| 76 | Peso Proprio | Peso Proprio kg | 4195 | | | | | | |
| 77 | Peso Proprio | Peso Proprio kg | 14433 | | | | | | |
| 78 | Peso Proprio | Peso Proprio kg | 7746 | | | | | | |
| 79 | Peso Proprio | Peso Proprio kg | 14826 | | | | | | |
| 80 | Peso Proprio | Peso Proprio kg | 19691 | | | | | | |
| 81 | Peso Proprio | Peso Proprio kg | 45560 | | | | | | |
| 82 | Peso Proprio | Peso Proprio kg | 43712 | | | | | | |
| 83 | Peso Proprio | Peso Proprio kg | 58147 | | | | | | |
| 84 | Peso Proprio | Peso Proprio kg | 57616 | | | | | | |
| 85 | Peso Proprio | Peso Proprio kg | 23069 | | | | | | |
| 86 | Peso Proprio | Peso Proprio kg | 14580 | | | | | | |
| 87 | Peso Proprio | Peso Proprio kg | 18235 | | | | | | |
| 88 | Peso Proprio | Peso Proprio kg | 18203 | | | | | | |
| 89 | Peso Proprio | Peso Proprio kg | 16569 | | | | | | |
| 90 | Peso Proprio | Peso Proprio kg | 11506 | | | | | | |
| 91 | Peso Proprio | Peso Proprio kg | 18952 | | | | | | |
| 92 | Peso Proprio | Peso Proprio kg | 22216 | | | | | | |
| 93 | Peso Proprio | Peso Proprio kg | 9950 | | | | | | |
| 94 | Peso Proprio | Peso Proprio kg | 24024 | | | | | | |
| 95 | Peso Proprio | Peso Proprio kg | 2140 | | | | | | |
| 96 | Peso Proprio | Peso Proprio kg | 9549 | | | | | | |
| 97 | Peso Proprio | Peso Proprio kg | 25580 | | | | | | |
| 98 | Peso Proprio | Peso Proprio kg | 33252 | | | | | | |
| 99 | Peso Proprio | Peso Proprio kg | 13583 | | | | | | |

## Tabella solai tipo

| Sol.N° | Descrizione | Spessore | QP | QF | QVar. | ψ0 | ψ1 | ψ2 | Luce netta | Def | %QX | %QY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | kg/mq | kg/mq | kg/mq | | | | | | | |
| 1 | Uffici - Nuovi solai putrelle e tavelloni | 20 | 280 | 280 | 300 | 0.70 | 0.50 | 0.30 | Si | No | 80 | 20 |
| 2 | Uffici - Solaio esistente putrelle e tavelloni | 20 | 280 | 280 | 300 | 0.70 | 0.70 | 0.60 | Si | No | 100 | 0 |
| 3 | Copertura porticato-piano I | 20 | 280 | 120 | 150 | 0.00 | 0.00 | 0.00 | No | No | 100 | 0 |
| 4 | Deposito - Esistenti SAPAL | 25 | 300 | 250 | 300 | 1.00 | 0.90 | 0.80 | Si | No | 100 | 0 |
| 5 | Uffici - volte | 25 | 800 | 300 | 300 | 0.70 | 0.70 | 0.60 | Si | No | 80 | 20 |
| 6 | Latero cemento - Balconi esistenti | 20 | 300 | 200 | 400 | 0.00 | 0.00 | 0.00 | No | No | 100 | 0 |

## Dati solai

| Solaio n° | Nodi | Tipo |
|---|---|---|
| 0 | 2097-2085-2034-2002-1-2099 | Uffici - Solaio esistente putrelle e tavelloni |
| 1 | 1368-1367-1361-1362-1363-1364-1370 | Copertura porticato- piano I |
| 1 | 1383-1376-1373-1361-1367 | Copertura porticato- piano I |
| 2 | 1372-1371-1370-1364-1365-1366-1369 | Copertura porticato- piano I |
| 3 | 1373-1376-1377-1378-1379-1380-1381-1382-1384-1375-1374 | Copertura porticato- piano I |
| 4 | 1046-1009-1007-1029-1040-1042-1043 | Uffici - Nuovi solai putrelle e tavelloni |

| Solaio n° | Nodi | Tipo |
|---|---|---|
| 4 | 1121-1072-1071-1068-1064-1063-1087-1096-1103-1114-1115-1117 | Uffici - Solaio esistente putrelle e tavelloni |
| 4 | 1195-1121-1117-1115-1114-1124-1137-1154-1165-1169-1190-1192-1193 | Uffici - Nuovi solai putrelle e tavelloni |
| 4 | 1274-1195-1193-1192-1190-1215-1248-1270 | Uffici - Nuovi solai putrelle e tavelloni |
| 4 | 1040-1029-1025-1024-1053-1057 | Uffici - volte |
| 4 | 1215-1190-1189-1214-1249-1268-1270-1248 | Uffici - Nuovi solai putrelle e tavelloni |
| 4 | 1087-1063-1061-1060-1051-1050-1076-1082 | Uffici - volte |
| 4 | 1046-1043-1042-1040-1057-1067 | Uffici - volte |
| 4 | 1050-1048-1047-1046-1067-1076 | Uffici - volte |
| 5 | 1124-1114-1109-1150-1154-1137 | Uffici - volte |
| 5 | 1165-1154-1150-1189-1190-1169 | Uffici - volte |
| 5 | 1096-1087-1082-1109-1114-1103 | Uffici - volte |
| 6 | 1260-1258-1257-1256-1251-1277-1276 | Uffici - Nuovi solai putrelle e tavelloni |
| 7 | 1266-1250-1198-1183-1181-1180-1178-1216-1233-1240-1265 | Uffici - Nuovi solai putrelle e tavelloni |
| 7 | 1029-1007-1006-1016-1020-1022-1024-1025 | Uffici - Solaio esistente putrelle e tavelloni |
| 7 | 1265-1240-1233-1216-1219-1222-1223-1226-1228-1229-1238-1243-1262 | Uffici - volte |
| 7 | 1102-1085-1093-1094-1095-1135-1131-1127-1120-1107 | Uffici - volte |
| 7 | 1141-1131-1135-1164-1161 | Uffici - volte |
| 7 | 1229-1212-1211-1210-1208-1206-1205-1203-1232-1247-1260-1262-1243-1238 | Uffici - Nuovi solai putrelle e tavelloni |
| 7 | 1024-1022-1020-1027-1033-1038-1045-1080-1089-1091-1053 | Uffici - volte |
| 7 | 1176-1129-1133-1157-1174 | Uffici - volte |
| 7 | 1167-1161-1164-1208-1210-1211-1212-1172 | Uffici - volte |
| 7 | 1111-1089-1085-1102-1107-1120-1118-1116 | Uffici - Nuovi solai putrelle e tavelloni |
| 7 | 1133-1111-1116-1118-1120-1127-1131-1141-1161-1159-1158-1157 | Uffici - Nuovi solai putrelle e tavelloni |
| 7 | 1174-1157-1158-1159-1161-1167-1172-1212-1229-1228-1226-1223 | Uffici - Nuovi solai putrelle e tavelloni |
| 7 | 1091-1089-1111-1133-1129 | Uffici - volte |
| 7 | 1216-1178-1176-1174-1223-1222-1219 | Uffici - volte |
| 8 | 1004-1012-1034-1036-1011 | Uffici - volte |
| 8 | 1045-1038-1036-1034-1085-1089-1080 | Uffici - volte |
| 8 | 1020-1016-1011-1036-1038-1033-1027 | Uffici - volte |
| 8 | 1006-1004-1011-1016 | Uffici - volte |
| 9 | 1017-1013-1051-1060-1061-1063-1064-1068-1071-1032 | Uffici - Nuovi solai putrelle e tavelloni |
| 9 | 1013-1009-1046-1047-1048-1050-1051 | Uffici - Nuovi solai putrelle e tavelloni |
| 10 | 1201-1196-1236-1251-1256-1245-1237 | Uffici - Nuovi solai putrelle e tavelloni |
| 10 | 1260-1247-1232-1203-1201-1237-1245-1256-1257-1258 | Uffici - Nuovi solai putrelle e tavelloni |
| 11 | 1145-1097-1099-1139-1143-1144 | Uffici - Nuovi solai putrelle e tavelloni |
| 11 | 1201-1147-1145-1144-1143-1139-1196 | Uffici - Nuovi solai putrelle e tavelloni |
| 12 | 1214-1189-1187-1186-1183-1198-1250-1266-1268-1249 | Uffici - Nuovi solai putrelle e tavelloni |
| 13 | 2260-2256-2251-2277-2276 | Uffici - Nuovi solai putrelle e tavelloni |
| 14 | 2223-2157-2161-2166-2171-2212-2229-2227-2225 | Deposito - Esistenti SAPAL |
| 14 | 2157-2111-2120-2126-2142-2161 | Deposito - Esistenti SAPAL |
| 14 | 2038-2034-2085-2089 | Uffici - volte |
| 14 | 2229-2212-2203-2260-2262-2244-2239 | Uffici - Nuovi solai putrelle e tavelloni |
| 14 | 2111-2089-2085-2101-2106-2120 | Deposito - Esistenti SAPAL |
| 15 | 2260-2203-2202-2256 | Uffici - Nuovi solai putrelle e tavelloni |

| Solaio n° | Nodi | Tipo |
|---|---|---|
| 16 | 2145-2097-2099-2139 | Uffici - Nuovi solai putrelle e tavelloni |
| 17 | 2195-2121-2114-2190 | Deposito - Esistenti SAPAL |
| 17 | 2121-2072-2071-2063-2114 | Deposito - Esistenti SAPAL |
| 17 | 2195-2190-2272-2274 | Uffici - Nuovi solai putrelle e tavelloni |
| 18 | 2272-2190-2189-2268 | Uffici - Nuovi solai putrelle e tavelloni |
| 18 | 2268-2189-2183-2266 | Uffici - Nuovi solai putrelle e tavelloni |
| 19 | 2265-2241-2234-2218-2220-2221-2223-2225-2227-2229-2239-2244-2262 | Uffici - Nuovi solai putrelle e tavelloni |
| 19 | 2266-2183-2178-2218-2234-2241-2265 | Uffici - Nuovi solai putrelle e tavelloni |
| 20 | 2006-2002-2034-2038-2033-2027-2020 | Deposito - Esistenti SAPAL |
| 21 | 2007-2006-2020-2029 | Deposito - Esistenti SAPAL |
| 22 | 2071-2032-2017-2009-2046-2063 | Deposito - Esistenti SAPAL |
| 22 | 2009-2007-2029-2040-2046 | Deposito - Esistenti SAPAL |
| 23 | 3089-3038-3020-3006-3001-3086-3230-3224-3111 | Copertura porticato- piano I |
| 24 | 3264-3217-3224-3230-3261 | Copertura porticato- piano I |

# Tabulati di verifica

L'esito di ogni elaborazione viene sintetizzato nei disegni e schemi grafici allegati, che evidenziano i valori numerici nei punti e/o nelle sezioni significative, ai fini della valutazione del comportamento complessivo della struttura, e quelli necessari ai fini delle verifiche di misura della sicurezza.

Di seguito si riportano le tabelle relative a:

- Forze sismiche e masse
- Spostamenti Relativi dei nodi (SLD)
- Fattori di partecipazione e masse modali
- Massimi spostamenti degli impalcati
- Massimi spostamenti degli impalcati (SLD)
- Massime sollecitazioni travi di fondazione

# Risultati Analisi Dinamica - Baricentri masse e masse

Scenario di calcolo: **Scenario 2018**

| Piano | Rigido | Massa | X | Y | Z |
|---|---|---|---|---|---|
| | | kg | cm | cm | cm |
| 0 | No | 0 | 0 | 0 | 0 |
| 1 | Si | 2380385 | 2343 | 1489 | 460 |
| 2 | Si | 1505565 | 2371 | 1412 | 916 |
| 3 | Si | 167031 | 2725 | 1412 | 1270 |

| Piano | Rigido | Massa | X | Y | Z |
|---|---|---|---|---|---|
| | | kg | cm | cm | cm |
| 0 | No | 0 | 0 | 0 | 0 |
| 1 | Si | 2380385 | 2588 | 1649 | 460 |
| 2 | Si | 1505565 | 2617 | 1572 | 916 |
| 3 | Si | 167031 | 2767 | 1556 | 1270 |

| Piano | Rigido | Massa | X | Y | Z |
|---|---|---|---|---|---|
| | | kg | cm | cm | cm |
| 0 | No | 0 | 0 | 0 | 0 |
| 1 | Si | 2380385 | 2343 | 1808 | 460 |
| 2 | Si | 1505565 | 2371 | 1732 | 916 |
| 3 | Si | 167031 | 2725 | 1700 | 1270 |

| Piano | Rigido | Massa | X | Y | Z |
|---|---|---|---|---|---|
| | | kg | cm | cm | cm |
| 0 | No | 0 | 0 | 0 | 0 |
| 1 | Si | 2380385 | 2097 | 1649 | 460 |
| 2 | Si | 1505565 | 2125 | 1572 | 916 |
| 3 | Si | 167031 | 2683 | 1556 | 1270 |

# Verifica Degli Spostamenti Relativi

Scenario di calcolo: **Scenario 2018**

| Interp. | Comb. | ηXv | ηXh | ηYv | ηYh | Nodo1 | Nodo2 | η | ηAmm | Cs |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | mm | mm | mm | | | mm | mm | |
| -1--1 | (7+8)-I-3 | 0.48 | 7.79 | 0.19 | 3.19 | 2 | 1 | 8.27 | 13.80 | 1.7 |
| 0-1 | (7+8)-I-3 | 0.06 | 10.29 | 0.05 | 0.13 | 1 | 1012 | 10.35 | 13.80 | 1.3 |
| 0-1 | (7+8)-I-3 | 0.06 | 10.26 | 0.05 | 0.09 | 3 | 1004 | 10.32 | 13.80 | 1.3 |
| 0-1 | (7+8)-I-3 | 0.06 | 10.24 | 0.04 | 0.01 | 5 | 1006 | 10.31 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.06 | 0.57 | 0.03 | 10.37 | 8 | 1007 | 10.39 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.59 | 0.01 | 10.76 | 10 | 1009 | 10.77 | 13.80 | 1.3 |
| 0-1 | (7+8)-I-3 | 0.07 | 9.95 | 0.05 | 0.09 | 12 | 1011 | 10.02 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.62 | 0.00 | 11.23 | 14 | 1013 | 11.23 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.62 | 0.04 | 10.05 | 15 | 1016 | 10.09 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.64 | 0.01 | 11.58 | 18 | 1017 | 11.59 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.19 | 0.55 | 0.13 | 9.93 | 19 | 348 | 10.06 | 10.80 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.68 | 0.04 | 10.04 | 21 | 1020 | 10.08 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.68 | 0.04 | 10.09 | 23 | 1024 | 10.13 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.28 | 0.59 | 0.05 | 9.64 | 26 | 349 | 9.69 | 10.80 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.68 | 0.03 | 10.38 | 28 | 1029 | 10.41 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.03 | 0.44 | 0.04 | 8.11 | 30 | 375 | 8.15 | 8.25 | 1.0 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.69 | 0.02 | 11.83 | 31 | 1032 | 11.84 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.70 | 0.06 | 9.82 | 35 | 1034 | 9.87 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.71 | 0.05 | 9.94 | 37 | 1036 | 9.99 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.71 | 0.04 | 10.04 | 39 | 1038 | 10.08 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.71 | 0.03 | 10.39 | 41 | 1040 | 10.41 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.72 | 0.04 | 10.04 | 44 | 1045 | 10.08 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.72 | 0.01 | 10.73 | 46 | 1046 | 10.74 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.73 | 0.00 | 11.16 | 49 | 1050 | 11.16 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.73 | 0.00 | 11.21 | 52 | 1051 | 11.21 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.73 | 0.04 | 10.11 | 54 | 1053 | 10.14 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.15 | 0.53 | 0.12 | 8.86 | 55 | 295 | 8.97 | 9.90 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.56 | 0.34 | 7.91 | 56 | 307 | 8.25 | 9.89 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.73 | 0.03 | 10.40 | 58 | 1057 | 10.42 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.15 | 0.57 | 0.32 | 8.01 | 59 | 308 | 8.32 | 9.90 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.73 | 0.01 | 11.58 | 62 | 1063 | 11.59 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.69 | 0.34 | 8.22 | 65 | 320 | 8.56 | 9.89 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.73 | 0.01 | 10.72 | 66 | 1067 | 10.74 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.05 | 0.66 | 0.37 | 7.72 | 69 | 321 | 8.10 | 9.30 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.02 | 11.84 | 70 | 1071 | 11.86 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.02 | 11.94 | 73 | 1072 | 11.96 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.03 | 0.68 | 0.37 | 8.26 | 74 | 333 | 8.62 | 9.29 | 1.1 |

| Interp. | Comb. | ηXv | ηXh | ηYv | ηYh | Nodo1 | Nodo2 | η | ηAmm | Cs |
|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.00 | 11.13 | 75 | 1076 | 11.14 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.01 | 0.68 | 0.37 | 8.27 | 77 | 334 | 8.64 | 9.30 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.60 | 0.47 | 0.26 | 8.14 | 78 | 376 | 8.40 | 8.25 | 0.981 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.04 | 10.03 | 79 | 1080 | 10.07 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.01 | 11.38 | 81 | 1082 | 11.39 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.04 | 0.57 | 0.46 | 10.09 | 83 | 390 | 10.55 | 8.85 | 0.84 |
| 0-1 | (7+8)-IV-3 | 0.17 | 0.61 | 0.08 | 8.22 | 84 | 347 | 8.30 | 9.29 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.06 | 9.81 | 86 | 1085 | 9.87 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.01 | 11.56 | 88 | 1087 | 11.58 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.04 | 10.03 | 90 | 1089 | 10.07 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.09 | 0.73 | 0.04 | 10.12 | 91 | 1091 | 10.15 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-4 | 0.09 | 0.23 | 0.09 | 10.64 | 98 | 1097 | 10.73 | 13.80 | 1.3 |
| 0-1 | (7+8)-II-3 | 0.09 | 4.92 | 0.10 | 11.26 | 100 | 1099 | 11.36 | 13.80 | 1.2 |
| 0--1 | (7+8)-I-3 | 0.56 | 10.50 | 0.22 | 6.50 | 101 | 2 | 11.06 | 13.80 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.03 | 0.10 | 0.04 | 6.71 | 104 | 362 | 6.75 | 7.20 | 1.1 |
| 0-1 | (7+8)-II-3 | 0.12 | 3.15 | 0.13 | 8.07 | 105 | 350 | 8.20 | 9.15 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.33 | 0.38 | 0.05 | 8.47 | 108 | 402 | 8.51 | 8.84 | 1.0 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.69 | 0.00 | 11.36 | 109 | 1109 | 11.37 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.37 | 0.40 | 0.04 | 7.53 | 110 | 453 | 7.57 | 7.98 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.69 | 0.04 | 10.04 | 112 | 1111 | 10.08 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.13 | 0.43 | 0.04 | 7.11 | 113 | 443 | 7.16 | 7.98 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.68 | 0.01 | 11.54 | 114 | 1114 | 11.55 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.68 | 0.06 | 9.82 | 119 | 1120 | 9.87 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.68 | 0.02 | 11.94 | 122 | 1121 | 11.96 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.30 | 0.51 | 0.09 | 8.49 | 123 | 403 | 8.58 | 8.85 | 1.0 |
| 0-1 | (7+8)-II-3 | 0.04 | 3.25 | 0.24 | 8.27 | 125 | 351 | 8.51 | 9.15 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.62 | 0.04 | 10.14 | 128 | 1129 | 10.18 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.61 | 0.06 | 9.82 | 130 | 1131 | 9.87 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.61 | 0.04 | 10.05 | 132 | 1133 | 10.09 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.61 | 0.06 | 9.77 | 134 | 1135 | 9.83 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-4 | 0.04 | 0.22 | 0.44 | 6.66 | 136 | 374 | 7.10 | 7.19 | 1.0 |
| 0-1 | (7+8)-IV-3 | 0.77 | 0.31 | 0.25 | 6.44 | 138 | 377 | 6.69 | 7.35 | 1.1 |
| 0-1 | (7+8)-II-3 | 0.10 | 4.44 | 0.10 | 11.20 | 140 | 1139 | 11.30 | 13.80 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.10 | 0.10 | 0.09 | 10.59 | 146 | 1145 | 10.68 | 13.80 | 1.3 |
| 0-1 | (7+8)-II-4 | 0.10 | 0.10 | 0.08 | 10.51 | 148 | 1147 | 10.60 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.30 | 0.20 | 8.85 | 149 | 415 | 9.05 | 8.84 | 0.976 |
| 0-1 | (7+8)-IV-3 | 0.11 | 0.54 | 0.00 | 11.34 | 150 | 1150 | 11.34 | 13.80 | 1.2 |
| 0-1 | (7+8)-V-3 | 0.87 | 6.08 | 0.04 | 0.44 | 151 | 440 | 6.95 | 7.98 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.45 | 0.36 | 0.05 | 7.40 | 152 | 430 | 7.45 | 7.98 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.11 | 0.53 | 0.01 | 11.51 | 153 | 1154 | 11.52 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.06 | 0.23 | 0.14 | 8.12 | 155 | 416 | 8.26 | 8.10 | 0.981 |
| 0-1 | (7+8)-IV-3 | 0.11 | 0.47 | 0.04 | 10.06 | 156 | 1157 | 10.10 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.11 | 0.46 | 0.06 | 9.82 | 160 | 1161 | 9.88 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-4 | 0.16 | 0.03 | 0.08 | 7.09 | 162 | 358 | 7.17 | 8.10 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.11 | 0.46 | 0.06 | 9.78 | 163 | 1164 | 9.84 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-4 | 0.03 | 0.03 | 0.04 | 6.99 | 168 | 359 | 7.03 | 8.10 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.07 | 0.22 | 0.10 | 6.13 | 170 | 389 | 6.23 | 7.34 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.08 | 0.13 | 0.08 | 7.39 | 173 | 428 | 7.47 | 8.09 | 1.1 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.32 | 0.04 | 10.07 | 175 | 1174 | 10.11 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.32 | 0.03 | 10.17 | 176 | 1176 | 10.20 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.31 | 0.03 | 10.20 | 178 | 1178 | 10.23 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.10 | 0.23 | 0.07 | 6.30 | 179 | 479 | 6.37 | 8.45 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.00 | 0.23 | 0.13 | 6.50 | 182 | 469 | 6.64 | 8.45 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.30 | 0.02 | 10.68 | 184 | 1183 | 10.70 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.20 | 0.21 | 0.07 | 6.72 | 185 | 466 | 6.80 | 8.45 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.04 | 0.20 | 0.03 | 6.58 | 188 | 456 | 6.61 | 8.45 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.29 | 0.00 | 11.32 | 189 | 1189 | 11.32 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.29 | 0.01 | 11.49 | 191 | 1190 | 11.50 | 13.80 | 1.2 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.27 | 0.02 | 11.93 | 194 | 1195 | 11.95 | 13.80 | 1.2 |
| 0-1 | (7+8)-II-3 | 0.12 | 4.06 | 0.10 | 11.13 | 197 | 1196 | 11.23 | 13.80 | 1.2 |
| 0-2 | (7+8)-IV-3 | 0.16 | 0.39 | 0.22 | 14.85 | 198 | 1321 | 15.07 | 18.74 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.12 | 0.03 | 0.02 | 5.44 | 199 | 357 | 5.46 | 6.75 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.11 | 0.03 | 0.02 | 5.70 | 200 | 356 | 5.71 | 6.75 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.12 | 0.08 | 0.08 | 10.47 | 201 | 1201 | 10.55 | 13.80 | 1.3 |

| Interp. | Comb. | ηXv | ηXh | ηYv | ηYh | Nodo1 | Nodo2 | η | ηAmm | Cs |
|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | (7+8)-II-4 | 0.12 | 0.08 | 0.07 | 9.85 | 204 | 1203 | 9.92 | 13.80 | 1.4 |
| 0-1 | (7+8)-V-3 | 0.01 | 6.47 | 0.06 | 0.25 | 207 | 355 | 6.48 | 8.55 | 1.3 |
| 0-1 | (7+8)-V-3 | 0.08 | 6.31 | 0.07 | 0.24 | 209 | 354 | 6.38 | 8.55 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.24 | 0.05 | 9.82 | 213 | 1212 | 9.88 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.18 | 0.03 | 10.21 | 217 | 1216 | 10.24 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.18 | 0.04 | 10.07 | 224 | 1223 | 10.11 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.12 | 0.17 | 0.05 | 9.83 | 231 | 1229 | 9.88 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-4 | 0.12 | 0.09 | 0.07 | 9.85 | 232 | 1232 | 9.92 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-3 | 0.12 | 3.97 | 0.10 | 11.11 | 235 | 1236 | 11.20 | 13.80 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.03 | 0.06 | 0.09 | 5.77 | 242 | 360 | 5.86 | 6.75 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.09 | 0.08 | 0.17 | 5.73 | 246 | 361 | 5.90 | 6.75 | 1.1 |
| 0-1 | (7+8)-II-4 | 0.13 | 0.16 | 0.07 | 9.84 | 247 | 1247 | 9.91 | 13.80 | 1.4 |
| 0-2 | (7+8)-IV-3 | 0.19 | 0.09 | 0.28 | 14.88 | 250 | 1309 | 15.16 | 18.75 | 1.2 |
| 0-1 | (7+8)-II-3 | 0.13 | 3.85 | 0.09 | 10.84 | 252 | 1251 | 10.93 | 13.80 | 1.3 |
| 0-1 | (7+8)-II-4 | 0.17 | 0.11 | 0.14 | 5.30 | 253 | 280 | 5.43 | 6.75 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.16 | 0.11 | 0.21 | 5.60 | 254 | 279 | 5.81 | 6.75 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.13 | 0.20 | 0.08 | 10.42 | 255 | 1256 | 10.51 | 13.80 | 1.3 |
| 0-1 | (7+8)-II-4 | 0.13 | 0.20 | 0.07 | 9.84 | 259 | 1260 | 9.91 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.13 | 0.23 | 0.05 | 9.83 | 261 | 1262 | 9.88 | 13.80 | 1.4 |
| 0-1 | (7+8)-IV-3 | 0.13 | 0.24 | 0.03 | 10.23 | 263 | 1265 | 10.26 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.13 | 0.25 | 0.02 | 10.68 | 267 | 1266 | 10.70 | 13.80 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.13 | 0.25 | 0.00 | 11.28 | 269 | 1268 | 11.28 | 13.80 | 1.2 |
| 0-2 | (7+8)-IV-3 | 0.28 | 0.13 | 0.06 | 19.50 | 271 | 1407 | 19.57 | 24.60 | 1.3 |
| 0-1 | (7+8)-IV-3 | 0.13 | 0.26 | 0.02 | 11.93 | 273 | 1274 | 11.95 | 13.80 | 1.2 |
| 0-1 | (7+8)-II-4 | 0.15 | 0.44 | 0.07 | 9.87 | 275 | 1276 | 9.94 | 13.80 | 1.4 |
| 0-1 | (7+8)-II-4 | 0.15 | 0.45 | 0.08 | 10.47 | 278 | 1277 | 10.55 | 13.80 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.15 | 0.02 | 0.49 | 9.21 | 282 | 1310 | 9.70 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.15 | 0.08 | 0.31 | 9.04 | 283 | 1311 | 9.35 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.14 | 0.01 | 0.12 | 9.16 | 284 | 1312 | 9.28 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.14 | 0.09 | 0.05 | 9.22 | 285 | 1313 | 9.27 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.13 | 0.20 | 0.01 | 9.29 | 286 | 1314 | 9.30 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.25 | 0.01 | 9.36 | 287 | 1315 | 9.38 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.28 | 0.03 | 9.43 | 288 | 1316 | 9.46 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.30 | 0.05 | 9.52 | 289 | 1317 | 9.57 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.31 | 0.08 | 9.64 | 290 | 1318 | 9.71 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.31 | 0.15 | 9.79 | 291 | 1319 | 9.94 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.31 | 0.25 | 10.00 | 292 | 1320 | 10.26 | 13.80 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.10 | 0.30 | 0.05 | 8.98 | 458 | 1351 | 9.03 | 11.67 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.04 | 0.31 | 0.02 | 8.77 | 464 | 1352 | 8.80 | 11.67 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.31 | 0.11 | 8.50 | 471 | 1353 | 8.61 | 11.67 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.31 | 0.10 | 8.48 | 477 | 1354 | 8.58 | 11.67 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.55 | 0.09 | 8.55 | 482 | 1424 | 8.64 | 11.99 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.25 | 0.08 | 8.32 | 483 | 1425 | 8.40 | 11.70 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.23 | 0.09 | 8.10 | 484 | 1426 | 8.20 | 11.45 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.23 | 0.10 | 7.99 | 485 | 1427 | 8.09 | 11.26 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.08 | 0.24 | 0.10 | 7.93 | 486 | 1428 | 8.03 | 11.14 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.09 | 0.28 | 0.08 | 7.89 | 487 | 1429 | 7.98 | 11.10 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.12 | 0.32 | 0.07 | 7.89 | 488 | 1430 | 7.95 | 11.14 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.17 | 0.38 | 0.09 | 7.96 | 489 | 1431 | 8.05 | 11.26 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.23 | 0.44 | 0.13 | 8.10 | 490 | 1432 | 8.23 | 11.45 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.27 | 0.51 | 0.15 | 8.33 | 491 | 1433 | 8.48 | 11.70 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.28 | 0.55 | 0.13 | 8.48 | 492 | 1434 | 8.61 | 11.99 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.10 | 0.04 | 0.13 | 9.51 | 1006 | 2006 | 9.65 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.10 | 0.68 | 0.09 | 9.42 | 1007 | 2007 | 9.51 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.09 | 0.68 | 0.05 | 9.41 | 1009 | 2009 | 9.46 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.10 | 0.68 | 0.18 | 9.65 | 1012 | 2002 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.08 | 0.68 | 0.03 | 9.54 | 1017 | 2017 | 9.56 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.26 | 0.14 | 9.52 | 1020 | 2020 | 9.65 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.01 | 0.15 | 0.01 | 4.88 | 1022 | 1282 | 4.90 | 6.30 | 1.3 |
| 1-2 | (7+8)-VIII-3 | 0.01 | 0.16 | 0.02 | 4.72 | 1025 | 1281 | 4.74 | 6.30 | 1.3 |
| 1-3 | (7+8)-I-3 | 0.24 | 13.01 | 0.23 | 0.11 | 1027 | 2280 | 13.26 | 20.55 | 1.6 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.67 | 0.09 | 9.42 | 1029 | 2029 | 9.51 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.67 | 0.05 | 9.59 | 1032 | 2032 | 9.64 | 13.80 | 1.4 |
| 1-3 | (7+8)-I-3 | 0.17 | 12.98 | 0.25 | 0.11 | 1033 | 2279 | 13.15 | 20.55 | 1.6 |

| Interp. | Comb. | ηXv | ηXh | ηYv | ηYh | Nodo1 | Nodo2 | η | ηAmm | Cs |
|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | (7+8)-II-4 | 0.05 | 0.62 | 0.18 | 9.67 | 1034 | 2034 | 9.85 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.05 | 0.33 | 0.14 | 9.52 | 1038 | 2038 | 9.66 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.05 | 0.67 | 0.09 | 9.42 | 1040 | 2040 | 9.50 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.17 | 0.50 | 0.05 | 5.49 | 1042 | 1308 | 5.55 | 7.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.48 | 0.00 | 5.64 | 1043 | 1307 | 5.64 | 7.50 | 1.3 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.05 | 0.02 | 5.43 | 1045 | 1423 | 5.45 | 6.60 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.05 | 0.66 | 0.05 | 9.41 | 1046 | 2046 | 9.46 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.07 | 0.48 | 0.00 | 5.53 | 1047 | 1306 | 5.53 | 7.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.04 | 0.47 | 0.02 | 5.70 | 1048 | 1305 | 5.72 | 7.50 | 1.3 |
| 1-2 | (7+8)-VIII-3 | 0.01 | 0.35 | 0.09 | 7.64 | 1053 | 1373 | 7.73 | 10.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.01 | 0.56 | 0.05 | 7.61 | 1057 | 1361 | 7.66 | 10.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.47 | 0.05 | 5.81 | 1060 | 1304 | 5.86 | 7.50 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.47 | 0.09 | 5.91 | 1061 | 1303 | 6.00 | 7.50 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.65 | 0.03 | 9.54 | 1063 | 2063 | 9.56 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.07 | 0.45 | 0.08 | 5.88 | 1064 | 1302 | 5.96 | 7.50 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.01 | 0.55 | 0.01 | 7.64 | 1067 | 1362 | 7.66 | 10.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.08 | 0.44 | 0.01 | 5.52 | 1068 | 1301 | 5.53 | 7.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.65 | 0.05 | 9.59 | 1071 | 2071 | 9.64 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.65 | 0.06 | 9.62 | 1072 | 2072 | 9.68 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.00 | 0.54 | 0.02 | 7.71 | 1076 | 1363 | 7.74 | 10.50 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.37 | 0.03 | 5.21 | 1080 | 1435 | 5.24 | 6.59 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.00 | 0.54 | 0.05 | 7.77 | 1082 | 1364 | 7.82 | 10.50 | 1.3 |
| 1-2 | (7+8)-II-4 | 0.02 | 0.35 | 0.19 | 9.70 | 1085 | 2085 | 9.88 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.02 | 0.51 | 0.14 | 9.52 | 1089 | 2089 | 9.66 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.01 | 0.42 | 0.09 | 7.64 | 1091 | 1374 | 7.72 | 10.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.56 | 0.10 | 6.37 | 1093 | 1287 | 6.48 | 6.30 | 0.972 |
| 1-2 | (7+8)-VIII-4 | 0.04 | 0.92 | 0.10 | 10.38 | 1094 | 1288 | 10.48 | 6.30 | 0.60 |
| 1-2 | (7+8)-IV-3 | 0.02 | 0.38 | 0.09 | 6.11 | 1096 | 1355 | 6.19 | 7.50 | 1.2 |
| 1-2 | (7+8)-IV-4 | 0.06 | 2.40 | 1.10 | 18.01 | 1097 | 2097 | 19.10 | 13.80 | 0.72 |
| 1-2 | (7+8)-I-3 | 0.02 | 7.08 | 0.52 | 2.56 | 1099 | 2099 | 7.10 | 13.80 | 1.9 |
| 1-2 | (7+8)-II-4 | 0.01 | 0.27 | 0.19 | 9.69 | 1102 | 2101 | 9.87 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.37 | 0.07 | 6.19 | 1103 | 1356 | 6.26 | 7.50 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.00 | 0.22 | 0.18 | 9.68 | 1107 | 2106 | 9.87 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.03 | 0.49 | 0.05 | 7.77 | 1109 | 1365 | 7.81 | 10.50 | 1.3 |
| 1-2 | (7+8)-VIII-3 | 0.01 | 0.63 | 0.14 | 9.52 | 1111 | 2111 | 9.66 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.01 | 0.60 | 0.02 | 9.53 | 1114 | 2114 | 9.55 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.02 | 0.39 | 0.06 | 6.00 | 1115 | 1331 | 6.06 | 7.50 | 1.2 |
| 1-2 | (7+8)-VIII-3 | 0.04 | 0.42 | 0.09 | 5.59 | 1116 | 1294 | 5.67 | 7.50 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.04 | 0.39 | 0.05 | 5.72 | 1117 | 1330 | 5.77 | 7.50 | 1.3 |
| 1-2 | (7+8)-VIII-3 | 0.04 | 0.44 | 0.09 | 5.84 | 1118 | 1293 | 5.93 | 7.50 | 1.3 |
| 1-2 | (7+8)-II-4 | 0.01 | 0.19 | 0.18 | 9.68 | 1120 | 2120 | 9.86 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.01 | 0.60 | 0.06 | 9.62 | 1121 | 2121 | 9.68 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.05 | 0.36 | 0.07 | 6.27 | 1124 | 1357 | 6.33 | 7.50 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.02 | 0.11 | 0.18 | 9.67 | 1127 | 2126 | 9.85 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.05 | 0.56 | 0.08 | 7.63 | 1129 | 1375 | 7.71 | 10.50 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.10 | 0.31 | 0.07 | 6.34 | 1137 | 1358 | 6.41 | 7.50 | 1.2 |
| 1-2 | (7+8)-VI-4 | 0.57 | 18.69 | 0.57 | 5.16 | 1139 | 2139 | 19.25 | 13.80 | 0.72 |
| 1-2 | (7+8)-II-4 | 0.03 | 0.08 | 0.18 | 9.66 | 1141 | 2142 | 9.85 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-4 | 0.31 | 6.93 | 0.36 | 7.41 | 1143 | 1285 | 7.77 | 6.30 | 0.81 |
| 1-2 | (7+8)-VIII-4 | 0.33 | 7.20 | 0.42 | 5.89 | 1144 | 1286 | 7.53 | 6.30 | 0.84 |
| 1-2 | (7+8)-VIII-4 | 0.60 | 15.49 | 1.15 | 19.17 | 1145 | 2145 | 20.32 | 13.80 | 0.68 |
| 1-2 | (7+8)-VIII-4 | 0.60 | 15.60 | 1.22 | 20.91 | 1147 | 2147 | 22.13 | 13.80 | 0.62 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.41 | 0.04 | 7.76 | 1150 | 1366 | 7.80 | 10.50 | 1.3 |
| 1-2 | (7+8)-VIII-3 | 0.05 | 0.78 | 0.13 | 9.51 | 1157 | 2157 | 9.64 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.29 | 0.08 | 5.56 | 1158 | 1296 | 5.64 | 7.50 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.05 | 0.29 | 0.11 | 5.84 | 1159 | 1295 | 5.95 | 7.50 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.05 | 0.49 | 0.18 | 9.66 | 1161 | 2161 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.24 | 0.07 | 6.36 | 1165 | 1359 | 6.43 | 7.50 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.47 | 0.18 | 9.66 | 1167 | 2166 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.11 | 0.23 | 0.09 | 6.35 | 1169 | 1360 | 6.44 | 7.50 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.07 | 0.43 | 0.18 | 9.66 | 1172 | 2171 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.09 | 0.64 | 0.08 | 7.63 | 1176 | 1384 | 7.71 | 10.50 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.07 | 0.83 | 0.11 | 9.46 | 1178 | 2178 | 9.57 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.07 | 0.42 | 0.06 | 9.41 | 1183 | 2183 | 9.46 | 13.80 | 1.5 |

| Interp. | Comb. | ηXv | ηXh | ηYv | ηYh | Nodo1 | Nodo2 | η | ηAmm | Cs |
|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | (7+8)-IV-3 | 0.07 | 0.41 | 0.00 | 9.48 | 1189 | 2189 | 9.49 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.07 | 0.41 | 0.02 | 9.52 | 1190 | 2190 | 9.54 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.21 | 0.08 | 6.12 | 1192 | 1298 | 6.20 | 7.50 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.13 | 0.22 | 0.04 | 5.79 | 1193 | 1297 | 5.83 | 7.50 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.07 | 0.40 | 0.06 | 9.62 | 1195 | 2195 | 9.68 | 13.80 | 1.4 |
| 1-2 | (7+8)-II-4 | 0.08 | 0.05 | 0.28 | 11.30 | 1201 | 2202 | 11.57 | 13.80 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.08 | 0.05 | 0.23 | 10.47 | 1203 | 2203 | 10.70 | 13.80 | 1.3 |
| 1-2 | (7+8)-II-4 | 0.06 | 0.04 | 0.07 | 7.04 | 1205 | 1350 | 7.11 | 8.55 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.08 | 0.04 | 0.02 | 6.61 | 1206 | 1349 | 6.62 | 8.55 | 1.3 |
| 1-2 | (7+8)-II-4 | 0.12 | 0.04 | 0.04 | 5.52 | 1210 | 1348 | 5.56 | 7.20 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.09 | 0.19 | 0.12 | 5.70 | 1211 | 1347 | 5.82 | 7.20 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.08 | 0.39 | 0.18 | 9.66 | 1212 | 2212 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.08 | 0.07 | 0.20 | 4.20 | 1214 | 1332 | 4.39 | 4.80 | 1.1 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.09 | 0.09 | 3.70 | 1215 | 1409 | 3.79 | 4.35 | 1.1 |
| 1-2 | (7+8)-VIII-3 | 0.08 | 0.85 | 0.11 | 9.46 | 1216 | 2218 | 9.57 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.08 | 0.85 | 0.12 | 9.47 | 1219 | 2220 | 9.58 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.08 | 0.85 | 0.13 | 9.50 | 1222 | 2221 | 9.62 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.08 | 0.85 | 0.13 | 9.50 | 1223 | 2223 | 9.63 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.09 | 0.85 | 0.16 | 9.60 | 1226 | 2225 | 9.76 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.09 | 0.85 | 0.17 | 9.62 | 1228 | 2227 | 9.80 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.09 | 0.36 | 0.18 | 9.66 | 1229 | 2229 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-II-4 | 0.00 | 0.06 | 0.06 | 8.16 | 1232 | 1284 | 8.23 | 9.30 | 1.1 |
| 1-2 | (7+8)-VIII-3 | 0.09 | 0.86 | 0.11 | 9.46 | 1233 | 2234 | 9.57 | 13.80 | 1.4 |
| 1-2 | (7+8)-II-4 | 0.00 | 0.04 | 0.06 | 6.45 | 1237 | 1346 | 6.51 | 7.05 | 1.1 |
| 1-2 | (7+8)-IV-3 | 0.09 | 0.32 | 0.18 | 9.65 | 1238 | 2239 | 9.84 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.10 | 0.87 | 0.11 | 9.45 | 1240 | 2241 | 9.56 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.10 | 0.26 | 0.18 | 9.65 | 1243 | 2244 | 9.83 | 13.80 | 1.4 |
| 1-2 | (7+8)-II-4 | 0.02 | 0.06 | 0.08 | 6.43 | 1245 | 1345 | 6.51 | 7.05 | 1.1 |
| 1-2 | (7+8)-II-4 | 0.04 | 0.13 | 0.19 | 7.86 | 1247 | 1283 | 8.05 | 9.30 | 1.2 |
| 1-2 | (7+8)-IV-3 | 0.06 | 0.05 | 0.20 | 3.63 | 1248 | 1421 | 3.83 | 4.34 | 1.1 |
| 1-2 | (7+8)-IV-3 | 0.04 | 0.01 | 0.33 | 4.46 | 1249 | 1344 | 4.79 | 4.79 | 0.999 |
| 1-2 | (7+8)-II-4 | 0.12 | 0.27 | 0.30 | 13.92 | 1251 | 2251 | 14.22 | 13.80 | 0.970 |
| 1-2 | (7+8)-II-4 | 0.12 | 0.28 | 0.27 | 11.24 | 1256 | 2256 | 11.51 | 13.80 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.01 | 0.13 | 0.13 | 5.45 | 1257 | 1280 | 5.57 | 6.75 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.00 | 0.13 | 0.14 | 5.49 | 1258 | 1279 | 5.63 | 6.75 | 1.2 |
| 1-2 | (7+8)-II-4 | 0.12 | 0.28 | 0.23 | 10.45 | 1260 | 2260 | 10.68 | 13.80 | 1.3 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.18 | 0.18 | 9.65 | 1262 | 2262 | 9.83 | 13.80 | 1.4 |
| 1-2 | (7+8)-VIII-3 | 0.12 | 0.88 | 0.11 | 9.45 | 1265 | 2265 | 9.56 | 13.80 | 1.4 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.17 | 0.06 | 9.41 | 1266 | 2266 | 9.46 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.17 | 0.00 | 9.48 | 1268 | 2268 | 9.48 | 13.80 | 1.5 |
| 1-2 | (7+8)-IV-3 | 0.12 | 0.16 | 0.06 | 9.62 | 1274 | 2274 | 9.68 | 13.80 | 1.4 |
| 1-2 | (7+8)-II-4 | 0.16 | 0.68 | 0.23 | 10.50 | 1276 | 2276 | 10.73 | 13.80 | 1.3 |
| 1-2 | (7+8)-II-4 | 0.16 | 0.70 | 0.28 | 11.30 | 1277 | 2277 | 11.57 | 13.80 | 1.2 |
| 2-2 | (7+8)-IV-3 | 0.02 | 0.04 | 0.09 | 1.45 | 1407 | 2272 | 1.54 | 3.00 | 2.0 |
| 2-3 | (7+8)-I-3 | 0.30 | 9.24 | 0.27 | 0.02 | 2002 | 3001 | 9.54 | 10.50 | 1.1 |
| 2-3 | (7+8)-I-3 | 0.30 | 9.28 | 0.26 | 0.12 | 2006 | 3006 | 9.58 | 10.50 | 1.1 |
| 2-3 | (7+8)-I-3 | 0.29 | 9.92 | 0.26 | 0.12 | 2020 | 3020 | 10.21 | 10.50 | 1.0 |
| 2-3 | (7+8)-I-3 | 0.29 | 10.18 | 0.26 | 0.12 | 2038 | 3038 | 10.47 | 10.50 | 1.0 |
| 2-3 | (7+8)-V-3 | 0.29 | 12.04 | 0.27 | 0.31 | 2085 | 3086 | 12.32 | 10.50 | 0.85 |
| 2-3 | (7+8)-V-3 | 0.29 | 12.06 | 0.26 | 0.01 | 2089 | 3089 | 12.34 | 10.50 | 0.85 |
| 2-3 | (7+8)-V-3 | 0.23 | 8.11 | 0.23 | 0.14 | 2101 | 2287 | 8.33 | 7.50 | 0.90 |
| 2-3 | (7+8)-V-3 | 0.23 | 8.50 | 0.23 | 0.17 | 2106 | 2289 | 8.73 | 7.50 | 0.86 |
| 2-3 | (7+8)-V-3 | 0.28 | 13.80 | 0.26 | 0.03 | 2111 | 3111 | 14.08 | 10.50 | 0.74 |
| 2-3 | (7+8)-V-3 | 0.20 | 9.49 | 0.22 | 0.16 | 2126 | 2290 | 9.69 | 7.50 | 0.77 |
| 2-3 | (7+8)-V-3 | 0.19 | 9.88 | 0.21 | 0.14 | 2142 | 2291 | 10.07 | 7.50 | 0.74 |
| 2-3 | (7+8)-V-3 | 0.21 | 10.93 | 0.19 | 0.12 | 2166 | 2288 | 11.14 | 7.50 | 0.67 |
| 2-3 | (7+8)-V-3 | 0.17 | 11.57 | 0.19 | 0.11 | 2171 | 2293 | 11.74 | 7.50 | 0.64 |
| 2-3 | (7+8)-V-3 | 0.27 | 18.59 | 0.26 | 0.67 | 2178 | 3177 | 18.86 | 10.50 | 0.56 |
| 2-3 | (7+8)-V-3 | 0.27 | 19.00 | 0.25 | 0.70 | 2218 | 3217 | 19.26 | 10.50 | 0.55 |
| 2-3 | (7+8)-V-3 | 0.07 | 14.88 | 0.14 | 0.29 | 2220 | 2283 | 14.95 | 7.50 | 0.50 |
| 2-3 | (7+8)-V-3 | 0.13 | 14.79 | 0.20 | 0.13 | 2221 | 2281 | 14.92 | 7.50 | 0.50 |
| 2-3 | (7+8)-V-3 | 0.27 | 19.02 | 0.26 | 0.15 | 2223 | 3224 | 19.29 | 10.50 | 0.54 |
| 2-3 | (7+8)-V-3 | 0.23 | 14.76 | 0.18 | 0.09 | 2225 | 2284 | 14.99 | 7.50 | 0.50 |
| 2-3 | (7+8)-V-3 | 0.27 | 14.72 | 0.20 | 0.15 | 2227 | 2282 | 14.99 | 7.50 | 0.50 |

| Interp. | Comb. | ηXv | ηXh | ηYv | ηYh | Nodo1 | Nodo2 | η | ηAmm | Cs |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-3 | (7+8)-V-3 | 0.27 | 19.10 | 0.27 | 0.19 | 2229 | 3230 | 19.36 | 10.50 | 0.54 |
| 2-3 | (7+8)-V-3 | 0.04 | 14.58 | 0.13 | 0.39 | 2234 | 2286 | 14.62 | 7.50 | 0.51 |
| 2-3 | (7+8)-V-3 | 0.28 | 13.84 | 0.19 | 0.00 | 2239 | 2292 | 14.12 | 7.20 | 0.51 |
| 2-3 | (7+8)-V-3 | 0.03 | 14.02 | 0.11 | 0.38 | 2241 | 2285 | 14.05 | 7.50 | 0.53 |
| 2-3 | (7+8)-V-3 | 0.31 | 13.49 | 0.14 | 0.00 | 2244 | 2294 | 13.80 | 7.20 | 0.52 |
| 2-3 | (7+8)-V-3 | 0.26 | 21.60 | 0.27 | 0.15 | 2262 | 3261 | 21.87 | 10.50 | 0.48 |
| 2-3 | (7+8)-V-3 | 0.26 | 21.65 | 0.25 | 0.83 | 2265 | 3264 | 21.91 | 10.50 | 0.48 |
| **Minimo** | | | | | | | | | | |
| 2-3 | (7+8)-V-3 | 0.26 | 21.65 | 0.25 | 0.83 | 2265 | 3264 | 21.91 | 10.50 | 0.48 |

# Periodi di vibrazione e Masse modali

Scenario di calcolo: **Scenario 2018**

**Posizione masse 1**

Numero di Frequenze calcolate =15, filtrate=13

| N | T | Coeff. Partecipazione | | Masse Modali | | Percentuali | |
|---|---|---|---|---|---|---|---|
| | s | | | kgm*g | | | |
| | | Dir=0° | Dir=90° | Dir=0° | Dir=90° | Dir=0° | Dir=90° |
| 1(1) | 1.4782 | -8.330 | -139.229 | 681 | 190100 | 0.02 | 4.53 |
| 2(2) | 0.6130 | -31.896 | 42.965 | 9977 | 18103 | 0.24 | 0.43 |
| 3(3) | 0.5824 | -37.117 | -337.558 | 13511 | 1117420 | 0.32 | 26.64 |
| 4(4) | 0.4756 | 240.924 | 437.023 | 569223 | 1872964 | 13.57 | 44.65 |
| 5(5) | 0.4467 | -504.986 | 233.382 | 2500798 | 534139 | 59.62 | 12.73 |
| 6(6) | 0.3864 | -211.273 | -10.856 | 437731 | 1156 | 10.43 | 0.03 |
| 7(7) | 0.3660 | -89.886 | 16.488 | 79232 | 2666 | 1.89 | 0.06 |
| 8(8) | 0.3377 | 1.273 | 39.996 | 16 | 15688 | 0.00 | 0.37 |
| 9(9) | 0.3220 | 47.594 | 12.324 | 22214 | 1489 | 0.53 | 0.04 |
| 10(10) | 0.3074 | 0.309 | 41.687 | 1 | 17042 | 0.00 | 0.41 |
| 11(11) | 0.2687 | 183.428 | -7.633 | 329954 | 571 | 7.87 | 0.01 |
| 12(14) | 0.2291 | 31.401 | 93.809 | 9669 | 86300 | 0.23 | 2.06 |
| 13(15) | 0.2091 | 5.676 | 96.324 | 316 | 90990 | 0.01 | 2.17 |
| | | | | | | | |
| Somma delle Masse Modali [kgm*g] | | | | 3973323 | 3948627 | | |
| Masse strutturali libere [kgm*g] | | | | 4194902 | 4194902 | | |
| Percentuale | | | | 94.72 | 94.13 | 94.72 | 94.13 |

Masse e coefficienti di partecipazione rotazionali:

| N | T(s) | Coeff. Partecipazione | Masse Modali | Percentuali |
|---|---|---|---|---|
| | | | kgm*g | |
| 1(1) | 1.4782 | -635.017 | 3954493 | 0.35 |
| 2(2) | 0.6130 | -8.621 | 729 | 0.00 |
| 3(3) | 0.5824 | -1839.608 | 33187258 | 2.94 |
| 4(4) | 0.4756 | 250.482 | 615282 | 0.05 |
| 5(5) | 0.4467 | -3750.158 | 137917661 | 12.21 |
| 6(6) | 0.3864 | 1700.486 | 28357439 | 2.51 |
| 7(7) | 0.3660 | 7035.828 | 485457406 | 42.96 |
| 8(8) | 0.3377 | 723.019 | 5126495 | 0.45 |
| 9(9) | 0.3220 | -3370.685 | 111418431 | 9.86 |
| 10(10) | 0.3074 | 54.956 | 29617 | 0.00 |
| 11(11) | 0.2687 | -810.541 | 6442736 | 0.57 |
| 12(14) | 0.2291 | 444.795 | 1940175 | 0.17 |
| 13(15) | 0.2091 | 780.048 | 5967103 | 0.53 |

**Posizione masse 2**

Numero di Frequenze 15

| N | T | Coeff. Partecipazione | Masse Modali | Percentuali |
|---|---|---|---|---|
| | s | | kgm*g | |

| N | T | Coeff. Partecipazione | | Masse Modali | | Percentuali | |
|---|---|---|---|---|---|---|---|
| | | Dir=0° | Dir=90° | Dir=0° | Dir=90° | Dir=0° | Dir=90° |
| 1 | 1.4570 | 8.163 | 138.301 | 654 | 187575 | 0.02 | 4.47 |
| 2 | 0.6126 | 13.100 | 325.007 | 1683 | 1035869 | 0.04 | 24.69 |
| 3 | 0.6026 | 39.245 | 8.210 | 15104 | 661 | 0.36 | 0.02 |
| 4 | 0.4811 | 221.653 | 446.132 | 481800 | 1951855 | 11.49 | 46.53 |
| 5 | 0.4407 | -518.522 | 213.155 | 2636665 | 445567 | 62.85 | 10.62 |
| 6 | 0.3972 | -218.624 | -41.131 | 468722 | 16590 | 11.17 | 0.40 |
| 7 | 0.3757 | 12.729 | -74.716 | 1589 | 54745 | 0.04 | 1.31 |
| 8 | 0.3358 | -19.880 | 64.995 | 3876 | 41426 | 0.09 | 0.99 |
| 9 | 0.3300 | 2.455 | 41.425 | 59 | 16829 | 0.00 | 0.40 |
| 10 | 0.3087 | 1.437 | 27.591 | 20 | 7465 | 0.00 | 0.18 |
| 11 | 0.2793 | -183.579 | 15.164 | 330496 | 2255 | 7.88 | 0.05 |
| 12 | 0.2591 | -21.382 | -3.968 | 4483 | 154 | 0.11 | 0.00 |
| 13 | 0.2419 | 28.123 | 81.933 | 7756 | 65833 | 0.18 | 1.57 |
| 14 | 0.2393 | 26.653 | 64.569 | 6967 | 40885 | 0.17 | 0.97 |
| 15 | 0.2212 | -14.090 | -81.592 | 1947 | 65285 | 0.05 | 1.56 |
| | | | | | | | |
| Somma delle Masse Modali [kgm*g] | | | | 3961821 | 3932994 | | |
| Masse strutturali libere [kgm*g] | | | | 4194902 | 4194902 | | |
| Percentuale | | | | 94.44 | 93.76 | 94.44 | 93.76 |

Masse e coefficienti di partecipazione rotazionali:

| N | T(s) | Coeff. Partecipazione | Masse Modali | Percentuali |
|---|---|---|---|---|
| | | | kgm*g | |
| 1 | 1.4570 | 762.015 | 5694399 | 0.50 |
| 2 | 0.6126 | 2487.640 | 60687005 | 5.32 |
| 3 | 0.6026 | 147.922 | 214579 | 0.02 |
| 4 | 0.4811 | 1964.288 | 37838246 | 3.32 |
| 5 | 0.4407 | -265.318 | 690325 | 0.06 |
| 6 | 0.3972 | 2070.870 | 42055844 | 3.69 |
| 7 | 0.3757 | 6348.574 | 395251036 | 34.65 |
| 8 | 0.3358 | -5244.625 | 269742561 | 23.65 |
| 9 | 0.3300 | 699.639 | 4800298 | 0.42 |
| 10 | 0.3087 | 241.711 | 572944 | 0.05 |
| 11 | 0.2793 | 1103.103 | 11933084 | 1.05 |
| 12 | 0.2591 | 236.599 | 548966 | 0.05 |
| 13 | 0.2419 | -223.347 | 489196 | 0.04 |
| 14 | 0.2393 | 833.022 | 6805086 | 0.60 |
| 15 | 0.2212 | -984.130 | 9497851 | 0.83 |

**Posizione masse 3**

Numero di Frequenze 15

| N | T | Coeff. Partecipazione | | Masse Modali | | Percentuali | |
|---|---|---|---|---|---|---|---|
| | s | | | kgm*g | | | |
| | | Dir=0° | Dir=90° | Dir=0° | Dir=90° | Dir=0° | Dir=90° |
| 1 | 1.3305 | -7.129 | -126.060 | 498 | 155839 | 0.01 | 3.71 |
| 2 | 0.5526 | -15.863 | -423.789 | 2468 | 1761243 | 0.06 | 41.99 |
| 3 | 0.5355 | 41.787 | 5.735 | 17124 | 323 | 0.41 | 0.01 |
| 4 | 0.4708 | -243.142 | -387.123 | 579749 | 1469668 | 13.82 | 35.03 |
| 5 | 0.4384 | -539.236 | 181.203 | 2851531 | 321998 | 67.98 | 7.68 |
| 6 | 0.3837 | 52.608 | -38.890 | 27141 | 14832 | 0.65 | 0.35 |
| 7 | 0.3503 | -85.162 | -5.592 | 71123 | 307 | 1.70 | 0.01 |
| 8 | 0.3090 | -29.198 | 46.537 | 8360 | 21238 | 0.20 | 0.51 |
| 9 | 0.2955 | -7.184 | 37.054 | 506 | 13465 | 0.01 | 0.32 |
| 10 | 0.2928 | -188.719 | -3.353 | 349261 | 110 | 8.33 | 0.00 |
| 11 | 0.2757 | -63.178 | 18.517 | 39143 | 3362 | 0.93 | 0.08 |
| 12 | 0.2267 | -22.223 | -7.634 | 4843 | 571 | 0.12 | 0.01 |
| 13 | 0.2203 | 3.115 | 136.683 | 95 | 183210 | 0.00 | 4.37 |
| 14 | 0.2074 | 8.423 | 33.862 | 696 | 11245 | 0.02 | 0.27 |
| 15 | 0.1976 | -2.536 | 97.235 | 63 | 92719 | 0.00 | 2.21 |

| N | T | Coeff. Partecipazione | | Masse Modali | | Percentuali | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| Somma delle Masse Modali [kgm*g] | | | | 3952603 | 4050130 | | |
| Masse strutturali libere [kgm*g] | | | | 4194902 | 4194902 | | |
| Percentuale | | | | 94.22 | 96.55 | 94.22 | 96.55 |

Masse e coefficienti di partecipazione rotazionali:

| N | T(s) | Coeff. Partecipazione | Masse Modali | Percentuali |
|---|---|---|---|---|
| | | | kgm*g | |
| 1 | 1.3305 | -690.614 | 4677253 | 0.41 |
| 2 | 0.5526 | -1820.330 | 32495342 | 2.82 |
| 3 | 0.5355 | 215.581 | 455764 | 0.04 |
| 4 | 0.4708 | 1907.049 | 35665164 | 3.10 |
| 5 | 0.4384 | 1012.762 | 10058543 | 0.87 |
| 6 | 0.3837 | 7566.164 | 561399733 | 48.79 |
| 7 | 0.3503 | -3629.699 | 129199850 | 11.23 |
| 8 | 0.3090 | -1585.415 | 24649419 | 2.14 |
| 9 | 0.2955 | 673.946 | 4454212 | 0.39 |
| 10 | 0.2928 | 867.036 | 7372167 | 0.64 |
| 11 | 0.2757 | 359.360 | 1266427 | 0.11 |
| 12 | 0.2267 | 252.908 | 627256 | 0.05 |
| 13 | 0.2203 | 1006.000 | 9924678 | 0.86 |
| 14 | 0.2074 | 1181.473 | 13688888 | 1.19 |
| 15 | 0.1976 | 548.828 | 2953879 | 0.26 |

**Posizione masse 4**

Numero di Frequenze calcolate =15, filtrate=14

| N | T | Coeff. Partecipazione | | Masse Modali | | Percentuali | |
|---|---|---|---|---|---|---|---|
| | s | | | kgm*g | | | |
| | | Dir=0° | Dir=90° | Dir=0° | Dir=90° | Dir=0° | Dir=90° |
| 1(1) | 1.3518 | -7.345 | -127.044 | 529 | 158282 | 0.01 | 3.77 |
| 2(2) | 0.5512 | -26.079 | 112.697 | 6670 | 124551 | 0.16 | 2.97 |
| 3(3) | 0.5276 | 64.651 | 495.193 | 40989 | 2404752 | 0.98 | 57.33 |
| 4(4) | 0.4645 | 165.112 | 291.549 | 267348 | 833571 | 6.37 | 19.87 |
| 5(5) | 0.4388 | 570.376 | -126.029 | 3190381 | 155763 | 76.05 | 3.71 |
| 6(6) | 0.3757 | 93.602 | -66.694 | 85920 | 43621 | 2.05 | 1.04 |
| 7(7) | 0.3397 | 36.711 | 34.255 | 13216 | 11507 | 0.32 | 0.27 |
| 8(8) | 0.3006 | 3.494 | 39.793 | 120 | 15528 | 0.00 | 0.37 |
| 9(9) | 0.2918 | 30.840 | -24.065 | 9327 | 5679 | 0.22 | 0.14 |
| 10(10) | 0.2796 | -178.534 | -18.381 | 312583 | 3313 | 7.45 | 0.08 |
| 11(11) | 0.2688 | 52.882 | -42.893 | 27424 | 18043 | 0.65 | 0.43 |
| 12(13) | 0.2107 | -15.196 | 44.538 | 2264 | 19453 | 0.05 | 0.46 |
| 13(14) | 0.2073 | 6.735 | 151.202 | 445 | 224199 | 0.01 | 5.34 |
| 14(15) | 0.1972 | -39.123 | 83.710 | 15010 | 68719 | 0.36 | 1.64 |
| | | | | | | | |
| Somma delle Masse Modali [kgm*g] | | | | 3972225 | 4086982 | | |
| Masse strutturali libere [kgm*g] | | | | 4194902 | 4194902 | | |
| Percentuale | | | | 94.69 | 97.43 | 94.69 | 97.43 |

Masse e coefficienti di partecipazione rotazionali:

| N | T(s) | Coeff. Partecipazione | Masse Modali | Percentuali |
|---|---|---|---|---|
| | | | kgm*g | |
| 1(1) | 1.3518 | -557.389 | 3046758 | 0.27 |
| 2(2) | 0.5512 | -279.376 | 765417 | 0.07 |
| 3(3) | 0.5276 | -149.545 | 219314 | 0.02 |
| 4(4) | 0.4645 | -3695.114 | 133898699 | 11.75 |
| 5(5) | 0.4388 | 2569.480 | 64745758 | 5.68 |
| 6(6) | 0.3757 | -6914.230 | 468822380 | 41.13 |
| 7(7) | 0.3397 | 3380.168 | 112046223 | 9.83 |
| 8(8) | 0.3006 | 581.525 | 3316325 | 0.29 |

| N | T(s) | Coeff. Partecipazione | Masse Modali | Percentuali |
|---|---|---|---|---|
| 9(9) | 0.2918 | 406.536 | 1620761 | 0.14 |
| 10(10) | 0.2796 | 884.740 | 7676307 | 0.67 |
| 11(11) | 0.2688 | -552.480 | 2993326 | 0.26 |
| 12(13) | 0.2107 | -354.577 | 1232938 | 0.11 |
| 13(14) | 0.2073 | 674.936 | 4467306 | 0.39 |
| 14(15) | 0.1972 | -1267.418 | 15752907 | 1.38 |

## Risultati Analisi Dinamica - Spostamenti massimi - Impalcati

Scenario di calcolo: **Scenario 2018**

la tripletta (Cb [-SubC-Cbm]) indica la Combinazione - SottoCombinazione sismica - Posizione Masse, nel caso non sismico mancano SubC-Cbm

| Piano | Trasl. X | Trasl. Y | Trasl. Z | Rotaz. X | Rotaz. Y | Rotaz. Z |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mrad | mrad | mrad |
| 1 | -9.42(2-I-4) | 10.79(3-II-4) | -9.89(1-1) | 0.00(1-1) | 0.00(1-1) | 0.13(2-I-1) |
| 2 | -16.78(2-I-4) | 21.15(3-II-4) | -10.95(1-1) | 0.00(1-1) | 0.00(1-1) | 0.27(3-I-3) |
| 3 | 30.49(2-II-4) | 27.00(3-II-4) | -12.67(1-1) | 0.00(1-1) | 0.00(1-1) | 0.63(3-I-3) |

## Risultati Analisi Dinamica - Spostamenti massimi - Impalcati (SLD)

Scenario di calcolo: **Scenario 2018**

la tripletta (Cb [-SubC-Cbm]) indica la Combinazione - SottoCombinazione sismica - Posizione Masse, nel caso non sismico mancano SubC-Cbm

| Piano | Trasl. X | Trasl. Y | Trasl. Z | Rotaz. X | Rotaz. Y | Rotaz. Z |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mrad | mrad | mrad |
| 1 | -4.99(7-I-4) | 5.62(8-I-3) | -7.41(4-1) | 0.00(4-1) | 0.00(4-1) | 0.07(7-I-1) |
| 2 | -8.89(7-I-4) | 10.98(8-II-4) | -8.19(4-1) | 0.00(4-1) | 0.00(4-1) | 0.14(8-I-3) |
| 3 | 16.09(7-II-4) | 14.15(8-II-4) | -9.47(4-1) | 0.00(4-1) | 0.00(4-1) | 0.34(8-I-3) |

## Risultati Analisi Dinamica - Sollecitazioni massime - Inviluppi - Travi di fondazione

Scenario di calcolo: **Scenario 2018**

| Asta | N.in. | N | Ty | Tz | Mt | My | Mz |
|---|---|---|---|---|---|---|---|
| | N.fin. | kg | kg | kg | kg*m | kg*m | kg*m |
| 0 | 1 | 0 | 0 | 5776(3-II-4) | 1083(3-I-2) | -4029(2-I-4) | 0 |
| | 101 | 0 | 0 | -3903(3-I-2) | 1414(3-II-2) | 2643(2-I-1) | 0 |
| 1 | 101 | 0 | 0 | 5020(2-I-1) | 1878(2-I-1) | -2254(3-II-2) | 0 |
| | 100 | 0 | 0 | -6463(2-I-4) | -1461(2-I-2) | -6702(2-I-4) | 0 |
| 9001 | 62 | 0 | 0 | 3096(1) | -1269(2-II-4) | -3997(3-I-4) | 0 |
| | 88 | 0 | 0 | -3083(3-II-4) | -1655(2-I-4) | 3126(3-II-4) | 0 |
| 9001 | 88 | 0 | 0 | 3550(3-I-4) | 1938(2-I-4) | 4038(3-II-4) | 0 |
| | 114 | 0 | 0 | -2274(3-II-4) | -1204(2-I-4) | 1981(2-II-4) | 0 |
| 9001 | 114 | 0 | 0 | 2030(1) | 1142(2-I-4) | 4556(3-II-4) | 0 |
| | 153 | 0 | 0 | -2333(2-II-4) | -1146(2-I-4) | -2294(3-II-4) | 0 |
| 9001 | 153 | 0 | 0 | 2167(2-II-3) | 1128(2-I-3) | -2093(3-I-4) | 0 |
| | 191 | 0 | 0 | -3578(1) | 1036(2-II-3) | -6874(3-II-4) | 0 |
| 9001 | 191 | 0 | 0 | 3251(1) | -1161(2-II-3) | -1928(1) | 0 |
| | 271 | 0 | 0 | -3390(3-I-4) | 1309(2-II-3) | -3565(3-II-4) | 0 |
| 9002 | 176 | 0 | 0 | 3877(2-I-2) | 2298(3-II-4) | 2739(3-I-4) | 0 |
| | 175 | 0 | 0 | -6593(2-II-3) | -958(3-II-4) | -3707(2-II-3) | 0 |
| 9002 | 178 | 0 | 0 | 6896(3-II-4) | -2243(3-II-4) | -3165(3-II-4) | 0 |

| Asta | N.in. | N | Ty | Tz | Mt | My | Mz |
|---|---|---|---|---|---|---|---|
| | 176 | 0 | 0 | -2863(3-I-4) | -2219(3-II-4) | 2803(3-I-4) | 0 |
| 9002 | 179 | 0 | 0 | 580(3-I-4) | -83(3-II-2) | 4768(2-I-3) | 0 |
| | 178 | 0 | 0 | -4281(2-II-3) | -1203(3-II-4) | -4382(2-II-3) | 0 |
| 9002 | 182 | 0 | 0 | 13115(2-I-3) | -350(3-II-4) | 4562(2-II-3) | 0 |
| | 179 | 0 | 0 | -13927(2-II-3) | -241(3-I-4) | 5201(2-I-3) | 0 |
| 9002 | 184 | 0 | 0 | 3546(1) | -2061(3-I-4) | -2941(2-I-4) | 0 |
| | 182 | 0 | 0 | 1010(1) | -201(3-II-4) | 4259(2-II-3) | 0 |
| 9002 | 185 | 0 | 0 | -510(1) | 197(3-II-4) | 3430(2-I-3) | 0 |
| | 184 | 0 | 0 | -3831(1) | 2013(3-I-4) | -2629(3-II-4) | 0 |
| 9002 | 188 | 0 | 0 | 12284(2-I-3) | 246(3-I-4) | 5082(2-II-3) | 0 |
| | 185 | 0 | 0 | -13246(2-II-3) | 363(3-II-4) | 3756(2-I-3) | 0 |
| 9002 | 189 | 0 | 0 | 1827(2-I-4) | 1922(3-II-4) | 3929(2-II-4) | 0 |
| | 188 | 0 | 0 | 665(1) | 100(3-I-4) | 4804(2-II-3) | 0 |
| 9002 | 191 | 0 | 0 | 3797(2-I-3) | 1281(3-II-4) | -1793(2-I-3) | 0 |
| | 189 | 0 | 0 | -3047(2-II-3) | -1633(3-II-4) | 1943(3-I-4) | 0 |
| 9002 | 194 | 0 | 0 | 2867(1) | -1774(3-I-4) | 2897(2-II-3) | 0 |
| | 191 | 0 | 0 | -4289(2-II-3) | -1733(3-II-4) | -2133(2-II-3) | 0 |
| 9003 | 31 | 0 | 0 | 2505(3-II-4) | 1269(2-I-1) | -2014(2-I-1) | 0 |
| | 70 | 0 | 0 | -4649(3-II-4) | -998(2-I-1) | -3450(3-II-4) | 0 |
| 9004 | 14 | 0 | 0 | 4067(1) | 1522(2-I-1) | -3670(3-I-4) | 0 |
| | 52 | 0 | 0 | -4655(3-II-4) | 1446(2-II-4) | -4497(3-II-4) | 0 |
| 9005 | 49 | 0 | 0 | 4746(1) | -990(2-II-4) | -4546(3-I-4) | 0 |
| | 75 | 0 | 0 | -2280(1) | -1193(2-I-4) | 2944(3-I-4) | 0 |
| 9006 | 232 | 0 | 0 | 1484(3-I-4) | 211(2-I-3) | -6142(3-I-4) | 0 |
| | 204 | 0 | 0 | -4346(3-I-2) | 1054(2-I-3) | -4920(3-I-4) | 0 |
| 9006 | 247 | 0 | 0 | 16235(3-I-2) | 293(2-I-3) | -6459(3-I-2) | 0 |
| | 232 | 0 | 0 | -14521(1) | 275(2-II-3) | 6418(3-II-4) | 0 |
| 9006 | 259 | 0 | 0 | 5176(1) | -1008(2-I-3) | -7840(3-I-2) | 0 |
| | 247 | 0 | 0 | -990(3-II-4) | -160(2-I-3) | -7425(3-I-2) | 0 |
| 9006 | 275 | 0 | 0 | 4431(2-II-3) | -796(2-I-3) | -1492(3-II-4) | 0 |
| | 259 | 0 | 0 | -4585(1) | 1487(2-I-3) | -4344(2-I-3) | 0 |
| 9007 | 278 | 0 | 0 | 4501(3-II-2) | -769(3-I-2) | -1180(3-II-4) | 0 |
| | 275 | 0 | 0 | -5156(3-II-2) | -961(3-I-4) | -1347(2-I-3) | 0 |
| 9008 | 119 | 0 | 0 | 2932(1) | 1883(3-I-4) | -2293(2-II-4) | 0 |
| | 112 | 0 | 0 | -3568(1) | 1716(3-II-4) | -2659(2-I-4) | 0 |
| 9009 | 160 | 0 | 0 | 4619(1) | 1601(3-II-4) | -2439(2-II-3) | 0 |
| | 163 | 0 | 0 | -5920(2-I-3) | 146(3-II-4) | -217(1) | 0 |
| 9009 | 160 | 0 | 0 | 2839(2-II-4) | -1946(3-II-4) | 4117(2-I-4) | 0 |
| | 156 | 0 | 0 | -2849(1) | -1862(3-I-4) | -2312(2-I-3) | 0 |
| 9010 | 130 | 0 | 0 | 3819(1) | -1876(3-I-4) | -301(2-I-3) | 0 |
| | 134 | 0 | 0 | -4965(2-I-4) | -149(3-I-4) | -260(1) | 0 |
| 9011 | 132 | 0 | 0 | 8938(1) | -705(3-II-4) | -5429(2-II-4) | 0 |
| | 128 | 0 | 0 | -3799(1) | 993(3-II-4) | 4417(2-II-4) | 0 |
| 9012 | 12 | 0 | 0 | 4819(2-II-1) | -290(3-II-4) | 2811(2-I-1) | 0 |
| | 15 | 0 | 0 | -6126(1) | 304(3-II-4) | -2902(2-I-1) | 0 |
| 9013 | 73 | 0 | 0 | 4325(2-II-1) | 886(2-I-4) | -2538(3-I-4) | 0 |
| | 122 | 0 | 0 | -3787(3-II-4) | -890(2-I-4) | 972(3-I-4) | 0 |
| 9013 | 122 | 0 | 0 | 3881(2-II-1) | 894(2-I-4) | 2418(3-II-4) | 0 |
| | 194 | 0 | 0 | -3974(2-II-3) | 923(2-II-3) | -3050(3-II-4) | 0 |
| 9013 | 194 | 0 | 0 | 4275(2-II-4) | -940(2-II-3) | -1323(2-II-4) | 0 |
| | 273 | 0 | 0 | -4605(2-II-3) | 1027(2-II-3) | -2035(3-II-4) | 0 |
| 9014 | 253 | 0 | 0 | 2207(3-II-2) | 287(3-I-2) | 3327(2-I-3) | 0 |
| | 252 | 0 | 0 | -2098(3-I-2) | -1457(3-I-2) | 3388(3-II-2) | 0 |
| 9014 | 254 | 0 | 0 | 9044(3-I-4) | 338(3-I-2) | 2384(3-I-2) | 0 |
| | 253 | 0 | 0 | -5862(2-II-4) | 558(3-I-2) | 3616(2-I-3) | 0 |
| 9014 | 255 | 0 | 0 | 5815(3-I-4) | 769(3-I-2) | -3716(3-II-2) | 0 |
| | 254 | 0 | 0 | -1502(3-I-2) | 844(3-I-2) | -2392(3-II-2) | 0 |
| 9014 | 259 | 0 | 0 | 3203(2-I-3) | 1444(3-II-4) | 2370(3-II-2) | 0 |
| | 255 | 0 | 0 | -2934(3-II-2) | -1305(3-I-2) | -3027(3-II-2) | 0 |
| 9014 | 261 | 0 | 0 | 4853(3-I-4) | 1229(3-II-4) | -3596(3-I-4) | 0 |
| | 259 | 0 | 0 | -3527(2-II-3) | -1437(3-II-4) | 3047(3-I-4) | 0 |
| 9014 | 263 | 0 | 0 | 5844(3-I-4) | 1026(3-II-4) | -3608(3-I-4) | 0 |

| Asta | N.in. | N | Ty | Tz | Mt | My | Mz |
|---|---|---|---|---|---|---|---|
| | 261 | 0 | 0 | -4148(3-II-2) | -1223(3-II-4) | -2823(3-II-2) | 0 |
| 9014 | 267 | 0 | 0 | 4394(3-I-4) | 1718(3-II-4) | -1746(2-I-3) | 0 |
| | 263 | 0 | 0 | -5649(3-I-4) | -1007(3-II-4) | -2988(2-II-3) | 0 |
| 9014 | 269 | 0 | 0 | 4991(3-I-4) | 1166(3-II-4) | 3276(2-II-3) | 0 |
| | 267 | 0 | 0 | -4018(3-I-4) | -1753(3-II-4) | -1625(2-II-3) | 0 |
| 9014 | 271 | 0 | 0 | 4280(3-I-4) | 894(3-II-4) | 2359(2-II-3) | 0 |
| | 269 | 0 | 0 | -4390(3-I-4) | -1000(3-II-4) | 1530(3-II-4) | 0 |
| 9014 | 273 | 0 | 0 | 4696(3-I-4) | -1295(3-I-4) | 1651(2-II-3) | 0 |
| | 271 | 0 | 0 | -4274(3-I-4) | -1186(3-II-4) | -956(3-I-4) | 0 |
| 9015 | 153 | 0 | 0 | 12656(1) | -123(3-II-4) | -4778(2-I-4) | 0 |
| | 150 | 0 | 0 | -7105(1) | -63(3-I-4) | 1474(2-I-4) | 0 |
| 9016 | 198 | 0 | 0 | 1241(3-I-4) | -222(2-II-3) | -7875(3-I-4) | 0 |
| | 184 | 0 | 0 | -3766(3-II-4) | -1308(2-II-3) | -6664(3-I-4) | 0 |
| 9016 | 250 | 0 | 0 | 18277(1) | 348(2-I-3) | -7207(3-II-4) | 0 |
| | 198 | 0 | 0 | -18082(1) | 354(2-II-3) | -7491(3-I-4) | 0 |
| 9016 | 267 | 0 | 0 | 4215(3-I-4) | 1340(2-II-3) | -5532(3-II-4) | 0 |
| | 250 | 0 | 0 | -2433(3-II-4) | 248(2-II-3) | -7721(3-II-4) | 0 |
| 9017 | 217 | 0 | 0 | 4475(2-II-3) | 955(2-II-3) | -3705(2-II-3) | 0 |
| | 178 | 0 | 0 | -3272(1) | -1402(2-II-3) | -2402(3-I-4) | 0 |
| 9017 | 263 | 0 | 0 | 3344(1) | 1662(2-II-3) | -3148(3-II-4) | 0 |
| | 217 | 0 | 0 | -4006(1) | -1085(2-II-3) | -4949(3-I-4) | 0 |
| 9018 | 54 | 0 | 0 | 5836(2-I-4) | -419(3-I-4) | -437(2-II-4) | 0 |
| | 55 | 0 | 0 | -4128(2-II-4) | -198(3-I-4) | 1744(2-I-4) | 0 |
| 9018 | 55 | 0 | 0 | 12459(1) | -787(3-I-4) | 2556(2-I-4) | 0 |
| | 56 | 0 | 0 | -12664(3-I-4) | -257(3-II-4) | -5409(3-I-4) | 0 |
| 9018 | 56 | 0 | 0 | -3030(2-II-4) | -789(3-I-4) | -6445(3-I-4) | 0 |
| | 58 | 0 | 0 | -6413(2-II-1) | -718(3-I-4) | -8315(3-I-4) | 0 |
| 9018 | 58 | 0 | 0 | 5967(3-I-4) | 560(3-I-4) | -7644(3-I-4) | 0 |
| | 59 | 0 | 0 | 2597(2-I-4) | 616(3-I-4) | -6008(3-I-4) | 0 |
| 9018 | 59 | 0 | 0 | 12077(3-I-4) | 334(3-II-4) | -5188(3-I-4) | 0 |
| | 65 | 0 | 0 | -12828(3-I-4) | -384(3-II-4) | -6142(2-I-4) | 0 |
| 9018 | 65 | 0 | 0 | -3865(2-II-1) | -380(3-I-4) | -6568(3-I-4) | 0 |
| | 66 | 0 | 0 | -7288(3-I-4) | -336(3-I-4) | -8411(3-I-4) | 0 |
| 9018 | 66 | 0 | 0 | 6112(3-I-4) | 491(3-I-4) | -8677(3-I-4) | 0 |
| | 69 | 0 | 0 | 2750(2-I-4) | 561(3-I-4) | -7034(3-I-4) | 0 |
| 9018 | 69 | 0 | 0 | 13083(3-I-4) | 372(3-II-4) | -6163(3-I-4) | 0 |
| | 74 | 0 | 0 | -11599(3-I-4) | -483(3-II-4) | -7539(2-I-4) | 0 |
| 9018 | 74 | 0 | 0 | 2261(2-I-4) | -525(3-I-4) | -8200(2-I-4) | 0 |
| | 75 | 0 | 0 | -6682(3-I-4) | -411(3-I-4) | -8339(2-I-3) | 0 |
| 9018 | 75 | 0 | 0 | 6536(1) | 401(1) | -8600(3-I-4) | 0 |
| | 77 | 0 | 0 | 2348(2-I-4) | 482(3-I-4) | -6660(3-I-4) | 0 |
| 9018 | 77 | 0 | 0 | 12516(3-I-4) | 511(3-II-4) | -5787(2-II-1) | 0 |
| | 84 | 0 | 0 | -12902(1) | -251(3-II-4) | -4994(2-I-4) | 0 |
| 9018 | 84 | 0 | 0 | -2970(1) | -354(3-I-4) | -5274(2-I-4) | 0 |
| | 88 | 0 | 0 | -7104(1) | -310(3-I-4) | -6150(2-I-4) | 0 |
| 9019 | 46 | 0 | 0 | 2353(3-I-4) | -1585(3-I-4) | -2534(2-I-4) | 0 |
| | 41 | 0 | 0 | -2010(1) | 1700(3-I-4) | 3145(2-I-4) | 0 |
| 9019 | 49 | 0 | 0 | 2032(2-I-4) | -1552(3-I-4) | -2667(2-I-4) | 0 |
| | 46 | 0 | 0 | -2586(3-I-4) | 1629(3-I-4) | 2252(2-I-1) | 0 |
| 9019 | 52 | 0 | 0 | 5101(3-I-4) | 1178(1) | -2445(3-I-4) | 0 |
| | 49 | 0 | 0 | -4799(3-II-4) | 1259(3-II-4) | -1304(2-II-1) | 0 |
| 9019 | 62 | 0 | 0 | 3866(3-II-4) | -1148(3-I-4) | -5434(3-II-4) | 0 |
| | 52 | 0 | 0 | -2257(3-I-4) | -1290(3-II-4) | -4053(2-II-1) | 0 |
| 9019 | 70 | 0 | 0 | 3452(2-II-1) | 1084(3-II-4) | -4235(2-I-3) | 0 |
| | 62 | 0 | 0 | -6271(3-II-4) | 907(3-I-4) | -5285(3-II-4) | 0 |
| 9019 | 73 | 0 | 0 | 5956(3-II-4) | -1041(3-I-4) | -1505(2-I-4) | 0 |
| | 70 | 0 | 0 | -5100(3-I-4) | -487(3-II-4) | -3482(3-I-4) | 0 |
| 9020 | 8 | 0 | 0 | 1962(1) | 1794(2-I-1) | 2738(3-II-4) | 0 |
| | 28 | 0 | 0 | -3508(3-II-4) | 1294(2-II-4) | -3899(2-II-4) | 0 |
| 9020 | 28 | 0 | 0 | 4352(2-II-1) | 992(2-I-4) | -4205(2-II-1) | 0 |
| | 41 | 0 | 0 | -3761(2-I-4) | 1141(2-II-4) | -3590(2-I-4) | 0 |
| 9020 | 41 | 0 | 0 | 6404(3-I-4) | 445(2-I-4) | -6383(3-I-4) | 0 |
| | 58 | 0 | 0 | -2163(2-II-4) | 842(2-II-4) | 2311(3-I-4) | 0 |
| 9021 | 10 | 0 | 0 | 2424(1) | 1802(2-I-1) | -2773(3-I-4) | 0 |

| Asta | N.in. | N | Ty | Tz | Mt | My | Mz |
|---|---|---|---|---|---|---|---|
| | 46 | 0 | 0 | -3273(1) | -1599(2-I-4) | -4073(3-II-4) | 0 |
| 9021 | 46 | 0 | 0 | 7010(3-I-4) | 599(2-I-4) | -6505(3-I-4) | 0 |
| | 66 | 0 | 0 | -1603(3-I-4) | -961(2-I-4) | 2273(3-I-4) | 0 |
| 9022 | 1 | 0 | 0 | 4956(3-I-2) | -1174(3-II-4) | -3520(3-I-2) | 0 |
| | 3 | 0 | 0 | -3274(2-I-1) | -890(3-I-4) | 2945(2-II-1) | 0 |
| 9022 | 3 | 0 | 0 | 3065(3-I-2) | 871(3-I-4) | 1601(3-I-4) | 0 |
| | 5 | 0 | 0 | -4389(3-II-4) | 842(3-II-4) | -1938(3-II-4) | 0 |
| 9022 | 5 | 0 | 0 | 4818(3-II-4) | -910(3-II-4) | -4124(2-II-1) | 0 |
| | 8 | 0 | 0 | -5524(3-II-4) | 756(3-II-4) | -3575(2-I-1) | 0 |
| 9022 | 8 | 0 | 0 | 4675(3-II-4) | -834(3-II-4) | -2779(3-II-4) | 0 |
| | 10 | 0 | 0 | -5936(3-II-4) | 765(3-II-4) | -4643(2-I-1) | 0 |
| 9022 | 10 | 0 | 0 | 4623(3-II-4) | -898(3-II-4) | -3164(3-II-4) | 0 |
| | 14 | 0 | 0 | -3772(3-II-4) | -1077(3-I-4) | 3676(2-II-1) | 0 |
| 9022 | 14 | 0 | 0 | 3443(3-II-4) | 1229(3-I-4) | 956(2-II-1) | 0 |
| | 18 | 0 | 0 | -2559(2-II-4) | -1085(3-I-4) | -3429(3-I-4) | 0 |
| 9023 | 18 | 0 | 0 | 5274(3-II-4) | 259(2-I-3) | -4113(3-I-4) | 0 |
| | 19 | 0 | 0 | 1950(3-II-4) | 89(3-II-4) | 5715(3-II-4) | 0 |
| 9023 | 19 | 0 | 0 | 13972(2-II-4) | 335(3-II-4) | 6280(3-II-4) | 0 |
| | 26 | 0 | 0 | -15298(3-II-4) | -205(2-II-3) | 6114(2-II-1) | 0 |
| 9023 | 26 | 0 | 0 | -1434(2-II-1) | 43(2-I-4) | 5696(2-II-1) | 0 |
| | 31 | 0 | 0 | -4899(2-II-4) | 255(3-II-4) | -3141(2-I-1) | 0 |
| 9024 | 1 | 0 | 0 | 2723(1) | -1679(2-II-1) | 3396(3-II-4) | 0 |
| | 35 | 0 | 0 | -4430(2-I-4) | 1072(2-II-4) | -2410(2-I-4) | 0 |
| 9024 | 35 | 0 | 0 | 4256(3-II-2) | -1064(2-II-4) | -2905(3-II-2) | 0 |
| | 86 | 0 | 0 | -3941(3-II-4) | 1517(2-II-4) | -3205(3-I-2) | 0 |
| 9024 | 86 | 0 | 0 | 4907(1) | -1342(2-II-4) | -4620(3-I-4) | 0 |
| | 119 | 0 | 0 | -5300(2-I-4) | -665(2-I-4) | -3206(2-I-3) | 0 |
| 9024 | 119 | 0 | 0 | 5622(2-I-4) | 583(2-I-4) | -3089(2-I-4) | 0 |
| | 130 | 0 | 0 | -4868(1) | 188(2-I-3) | -3350(3-II-4) | 0 |
| 9024 | 130 | 0 | 0 | 4269(1) | -81(2-I-1) | -2329(2-II-3) | 0 |
| | 160 | 0 | 0 | -5010(2-I-4) | -559(2-I-4) | -4864(3-II-4) | 0 |
| 9024 | 160 | 0 | 0 | 5847(2-I-3) | 473(2-I-3) | -6026(3-I-4) | 0 |
| | 213 | 0 | 0 | -6851(1) | -1129(2-I-3) | -6667(3-II-4) | 0 |
| 9024 | 213 | 0 | 0 | 4580(2-II-3) | 1155(2-I-3) | -4118(3-II-4) | 0 |
| | 231 | 0 | 0 | -8451(2-I-3) | 227(2-II-3) | -6530(2-I-3) | 0 |
| 9024 | 231 | 0 | 0 | 6319(1) | 975(2-I-3) | -8165(3-I-4) | 0 |
| | 261 | 0 | 0 | -2816(1) | -1498(2-I-3) | -3915(3-II-4) | 0 |
| 9025 | 23 | 0 | 0 | 3455(2-I-4) | -1628(3-I-4) | -1846(2-II-4) | 0 |
| | 21 | 0 | 0 | -4313(2-II-1) | -1131(3-II-4) | -3220(2-II-4) | 0 |
| 9025 | 28 | 0 | 0 | 3285(1) | -1241(3-I-4) | -3779(2-I-4) | 0 |
| | 23 | 0 | 0 | -3098(2-II-4) | 2445(3-I-4) | 3587(2-I-4) | 0 |
| 9026 | 5 | 0 | 0 | 2260(1) | -1645(2-II-1) | 2795(3-II-4) | 0 |
| | 15 | 0 | 0 | -2848(3-II-4) | -955(2-I-1) | 2433(3-II-4) | 0 |
| 9026 | 15 | 0 | 0 | 2728(2-II-1) | 1010(2-I-4) | 3032(3-II-4) | 0 |
| | 21 | 0 | 0 | -3546(2-I-1) | 1305(2-II-4) | -5120(2-I-4) | 0 |
| 9026 | 21 | 0 | 0 | 6614(2-I-4) | -497(2-II-4) | -4863(3-II-2) | 0 |
| | 39 | 0 | 0 | -9006(2-II-4) | 343(2-II-1) | -6348(2-II-4) | 0 |
| 9026 | 39 | 0 | 0 | 7900(1) | -271(2-II-4) | -9973(3-I-4) | 0 |
| | 44 | 0 | 0 | -2865(3-I-4) | -374(2-II-4) | -9166(3-I-4) | 0 |
| 9026 | 44 | 0 | 0 | 17298(1) | 380(2-II-4) | -7891(3-I-4) | 0 |
| | 79 | 0 | 0 | -16734(1) | 220(2-I-4) | -6414(3-II-4) | 0 |
| 9026 | 79 | 0 | 0 | -2855(3-I-4) | 705(2-II-4) | -6959(3-II-4) | 0 |
| | 90 | 0 | 0 | -8455(1) | 686(2-II-4) | -8134(3-II-4) | 0 |
| 9026 | 90 | 0 | 0 | 2648(3-II-4) | -1801(2-II-4) | -3641(2-II-4) | 0 |
| | 112 | 0 | 0 | -4259(2-II-4) | -676(2-I-4) | -4823(3-II-4) | 0 |
| 9026 | 112 | 0 | 0 | 4801(2-II-4) | 859(2-I-4) | -3014(2-II-4) | 0 |
| | 132 | 0 | 0 | -3530(3-II-4) | 1578(2-II-4) | 2507(2-II-4) | 0 |
| 9026 | 132 | 0 | 0 | 3835(3-I-4) | -1638(2-II-4) | 2641(3-II-4) | 0 |
| | 156 | 0 | 0 | -4412(2-II-3) | 852(2-II-4) | -3609(2-II-3) | 0 |
| 9026 | 156 | 0 | 0 | 7016(2-II-3) | 433(2-I-3) | -4109(2-II-3) | 0 |
| | 175 | 0 | 0 | -4435(2-I-2) | 1016(2-II-3) | 5825(3-I-4) | 0 |
| 9026 | 175 | 0 | 0 | 4065(2-I-3) | -1105(2-II-3) | 4375(2-II-3) | 0 |
| | 224 | 0 | 0 | -5581(2-II-3) | 1290(2-II-3) | -5060(3-II-4) | 0 |

| Asta | N.in. | N | Ty | Tz | Mt | My | Mz |
|---|---|---|---|---|---|---|---|
| 9027 | 86 | 0 | 0 | 4676(2-I-4) | -1814(3-I-4) | -4176(2-I-4) | 0 |
| | 98 | 0 | 0 | -3787(2-II-1) | 2347(3-I-4) | 2557(2-I-1) | 0 |
| 9027 | 90 | 0 | 0 | 2076(3-II-4) | 2214(3-II-4) | -4440(3-II-4) | 0 |
| | 86 | 0 | 0 | -4380(1) | 1675(3-I-4) | -1944(3-I-4) | 0 |
| 9027 | 91 | 0 | 0 | 3765(3-I-4) | -563(3-I-4) | 4399(2-II-4) | 0 |
| | 90 | 0 | 0 | -10797(2-II-4) | -540(3-II-4) | -6117(2-II-4) | 0 |
| 9027 | 98 | 0 | 0 | 3534(2-I-3) | -2302(3-II-2) | -1919(3-II-3) | 0 |
| | 100 | 0 | 0 | -1538(3-I-3) | 2245(3-II-2) | 3393(2-I-4) | 0 |
| 9028 | 100 | 0 | 0 | 6683(2-I-4) | 790(2-I-4) | -8528(2-I-1) | 0 |
| | 105 | 0 | 0 | -1587(3-II-2) | 116(2-I-3) | -7898(3-II-2) | 0 |
| 9028 | 105 | 0 | 0 | 16008(3-II-2) | -303(2-I-4) | -7097(3-II-2) | 0 |
| | 125 | 0 | 0 | -13236(2-I-3) | 315(2-I-4) | -4998(3-I-2) | 0 |
| 9028 | 125 | 0 | 0 | -2551(3-I-3) | -128(2-II-3) | -5222(3-I-2) | 0 |
| | 140 | 0 | 0 | -2140(2-I-4) | -784(2-I-4) | -5227(3-I-2) | 0 |
| 9028 | 140 | 0 | 0 | 5172(2-I-3) | 796(2-I-4) | -5480(3-I-3) | 0 |
| | 197 | 0 | 0 | -3317(2-I-3) | -927(2-I-4) | 4049(3-II-2) | 0 |
| 9028 | 197 | 0 | 0 | 3297(2-I-4) | 890(2-I-3) | 1216(3-I-3) | 0 |
| | 235 | 0 | 0 | -2988(3-I-2) | -415(3-I-2) | 1876(2-I-3) | 0 |
| 9029 | 235 | 0 | 0 | 2655(3-II-2) | 481(3-II-2) | 2351(2-I-3) | 0 |
| | 252 | 0 | 0 | -5259(2-I-3) | -717(2-I-4) | -4384(3-I-2) | 0 |
| 9029 | 252 | 0 | 0 | 3046(3-I-4) | 697(3-I-4) | -2501(2-I-3) | 0 |
| | 278 | 0 | 0 | -3543(3-I-4) | -632(2-I-3) | -1681(3-I-2) | 0 |
| 9030 | 199 | 0 | 0 | 1580(2-I-3) | 452(3-I-2) | 2482(2-I-3) | 0 |
| | 197 | 0 | 0 | -1503(3-I-2) | -1707(3-I-2) | 3037(2-I-4) | 0 |
| 9030 | 200 | 0 | 0 | 9349(2-I-3) | 543(3-I-2) | 2393(2-II-3) | 0 |
| | 199 | 0 | 0 | -6438(2-II-3) | 751(3-I-2) | 2649(2-I-3) | 0 |
| 9030 | 201 | 0 | 0 | 4397(1) | 1035(3-I-2) | -3536(2-I-3) | 0 |
| | 200 | 0 | 0 | 710(2-I-3) | 1086(3-I-2) | -2594(2-I-3) | 0 |
| 9030 | 204 | 0 | 0 | 3355(1) | -1414(3-II-2) | -2495(3-II-4) | 0 |
| | 201 | 0 | 0 | -1519(1) | -1624(3-I-2) | -1436(2-II-4) | 0 |
| 9030 | 207 | 0 | 0 | 1466(1) | 62(2-II-1) | 2264(2-I-3) | 0 |
| | 204 | 0 | 0 | -3449(1) | 1414(3-I-4) | -3114(2-II-4) | 0 |
| 9030 | 209 | 0 | 0 | 12350(2-I-3) | 259(3-I-4) | 4707(2-II-3) | 0 |
| | 207 | 0 | 0 | -8386(2-II-3) | 179(3-I-2) | 2524(2-I-3) | 0 |
| 9030 | 213 | 0 | 0 | 3689(2-I-3) | 1544(3-II-4) | -4420(2-I-3) | 0 |
| | 209 | 0 | 0 | 442(2-I-3) | 97(3-I-4) | 4467(2-II-3) | 0 |
| 9031 | 148 | 0 | 0 | 4127(2-II-3) | -749(2-II-3) | -2124(3-II-2) | 0 |
| | 162 | 0 | 0 | 957(3-II-2) | 89(2-II-1) | 5462(3-I-2) | 0 |
| 9031 | 162 | 0 | 0 | 9150(3-II-2) | 215(2-II-4) | 5661(3-I-2) | 0 |
| | 168 | 0 | 0 | -10904(3-I-2) | 186(2-I-3) | 5625(3-II-2) | 0 |
| 9031 | 168 | 0 | 0 | 553(3-II-2) | 31(2-II-1) | 5371(3-II-2) | 0 |
| | 201 | 0 | 0 | -4037(3-I-2) | -1326(2-I-3) | -4497(3-I-2) | 0 |
| 9031 | 201 | 0 | 0 | 1588(3-I-4) | 1478(2-I-3) | -1555(2-I-3) | 0 |
| | 242 | 0 | 0 | -997(3-I-2) | -130(2-I-4) | 873(3-I-2) | 0 |
| 9031 | 242 | 0 | 0 | 9493(3-II-2) | -268(2-I-3) | 1146(3-I-2) | 0 |
| | 246 | 0 | 0 | -8560(3-I-2) | -34(2-II-3) | 4794(3-II-2) | 0 |
| 9031 | 246 | 0 | 0 | -823(3-I-2) | -143(2-I-4) | 4596(3-II-2) | 0 |
| | 255 | 0 | 0 | -1909(1) | -1374(2-I-3) | -3681(3-I-2) | 0 |
| 9032 | 140 | 0 | 0 | 1819(3-I-2) | 1890(3-II-2) | 2464(2-I-4) | 0 |
| | 146 | 0 | 0 | -2498(3-II-3) | 1874(3-I-2) | -2480(2-I-1) | 0 |
| 9032 | 146 | 0 | 0 | 5698(1) | -1437(2-II-3) | -2357(3-II-2) | 0 |
| | 148 | 0 | 0 | -4553(3-I-2) | -1437(2-II-3) | -1107(2-I-4) | 0 |
| 9033 | 98 | 0 | 0 | 3905(3-II-3) | 1191(2-I-4) | -7778(3-II-2) | 0 |
| | 104 | 0 | 0 | 2446(1) | 115(2-II-1) | -7892(3-I-3) | 0 |
| 9033 | 104 | 0 | 0 | 16545(1) | 342(2-II-4) | -7662(3-I-3) | 0 |
| | 136 | 0 | 0 | -14838(3-II-4) | 313(2-I-4) | 5807(3-II-2) | 0 |
| 9033 | 136 | 0 | 0 | -2096(3-I-3) | 170(3-I-3) | 5423(3-II-2) | 0 |
| | 146 | 0 | 0 | -3782(3-I-3) | 540(2-II-4) | -5095(3-I-2) | 0 |
| 9034 | 217 | 0 | 0 | 8121(1) | 661(3-II-4) | 4293(2-II-3) | 0 |
| | 224 | 0 | 0 | -10670(1) | -372(3-II-4) | -5121(2-II-3) | 0 |
| 9034 | 224 | 0 | 0 | 3470(3-I-4) | 1359(3-II-4) | -5170(3-I-4) | 0 |
| | 231 | 0 | 0 | -2399(1) | 1869(3-I-4) | -2311(2-II-3) | 0 |

| Asta | N.in. | N | Ty | Tz | Mt | My | Mz |
|---|---|---|---|---|---|---|---|
| 9035 | 23 | 0 | 0 | 6591(1) | 372(2-I-4) | -7825(3-I-4) | 0 |
| | 30 | 0 | 0 | 1804(3-II-4) | 421(2-I-4) | -7230(3-I-4) | 0 |
| 9035 | 30 | 0 | 0 | 14715(1) | 259(2-II-4) | -6821(3-I-4) | 0 |
| | 78 | 0 | 0 | -13842(1) | 363(2-I-4) | -6507(3-II-4) | 0 |
| 9035 | 78 | 0 | 0 | -2842(3-I-4) | 799(2-II-4) | -7056(3-II-4) | 0 |
| | 91 | 0 | 0 | -6828(3-I-4) | 755(2-II-4) | -8196(1) | 0 |
| 9035 | 91 | 0 | 0 | 6663(3-II-4) | -931(2-II-4) | -8043(1) | 0 |
| | 128 | 0 | 0 | -5406(3-I-4) | 1206(2-II-4) | -9018(3-II-4) | 0 |
| 9035 | 128 | 0 | 0 | 7161(3-II-4) | -605(1) | -9195(2-II-4) | 0 |
| | 138 | 0 | 0 | 2435(3-II-4) | -660(2-II-4) | -8236(3-I-4) | 0 |
| 9035 | 138 | 0 | 0 | 14325(1) | -458(2-I-4) | -7586(3-I-4) | 0 |
| | 170 | 0 | 0 | -16031(1) | 260(2-I-3) | -7229(3-II-4) | 0 |
| 9035 | 170 | 0 | 0 | -1596(3-I-4) | 533(2-II-3) | -7934(3-II-4) | 0 |
| | 176 | 0 | 0 | -7510(1) | 488(2-II-3) | -8794(3-II-4) | 0 |
| 9036 | 81 | 0 | 0 | 4830(3-II-4) | -219(2-I-4) | 164(3-I-4) | 0 |
| | 83 | 0 | 0 | 3287(3-II-4) | -170(2-I-4) | 807(3-II-4) | 0 |
| 9036 | 83 | 0 | 0 | 9075(1) | -411(2-I-4) | 895(3-II-4) | 0 |
| | 108 | 0 | 0 | -10654(2-I-1) | -247(2-II-4) | -4693(2-I-1) | 0 |
| 9036 | 108 | 0 | 0 | -3669(3-I-4) | -457(2-I-4) | -5058(2-I-1) | 0 |
| | 109 | 0 | 0 | -6015(3-I-4) | -397(2-I-4) | -6119(2-I-1) | 0 |
| 9036 | 109 | 0 | 0 | 5301(3-II-4) | 414(2-I-4) | -6075(3-I-4) | 0 |
| | 123 | 0 | 0 | -2433(3-I-4) | 497(2-I-4) | -6388(3-I-4) | 0 |
| 9036 | 123 | 0 | 0 | 10145(2-I-3) | 265(2-II-4) | -5981(3-I-4) | 0 |
| | 149 | 0 | 0 | -9885(3-II-4) | -370(2-II-3) | -5032(3-II-4) | 0 |
| 9036 | 149 | 0 | 0 | 3305(3-II-4) | -305(2-I-4) | -5429(3-II-4) | 0 |
| | 150 | 0 | 0 | -5803(3-I-4) | -306(1) | -4693(3-II-4) | 0 |
| 9036 | 150 | 0 | 0 | 6281(3-II-4) | 323(1) | -4743(3-I-4) | 0 |
| | 155 | 0 | 0 | 3014(3-II-4) | 288(1) | -5097(3-I-4) | 0 |
| 9036 | 155 | 0 | 0 | 10459(3-I-4) | 461(2-II-4) | -4637(3-I-4) | 0 |
| | 173 | 0 | 0 | -15467(3-II-4) | 130(2-I-3) | -10389(3-II-4) | 0 |
| 9036 | 173 | 0 | 0 | -3142(3-I-4) | 438(2-II-3) | -10805(3-II-4) | 0 |
| | 189 | 0 | 0 | -8013(1) | 393(2-II-3) | -11919(3-II-4) | 0 |
| 9036 | 189 | 0 | 0 | 4400(1) | -1196(2-II-3) | -5922(1) | 0 |
| | 269 | 0 | 0 | -3793(1) | 1433(2-II-3) | -3434(3-II-4) | 0 |
| 9037 | 35 | 0 | 0 | 4243(1) | -1527(3-II-4) | -3238(2-II-4) | 0 |
| | 37 | 0 | 0 | -3694(2-I-1) | 1177(3-II-4) | 3355(3-II-4) | 0 |
| 9037 | 37 | 0 | 0 | 3176(3-I-4) | -1152(3-II-4) | 2913(3-II-4) | 0 |
| | 39 | 0 | 0 | -1943(2-I-4) | -1870(3-I-4) | 1803(2-II-4) | 0 |
| 9038 | 3 | 0 | 0 | 4125(1) | -1543(2-II-1) | -2728(3-I-4) | 0 |
| | 12 | 0 | 0 | -2319(3-II-4) | -891(2-I-1) | 4233(3-I-2) | 0 |
| 9038 | 12 | 0 | 0 | 3093(3-II-2) | 938(2-I-4) | 4712(3-I-2) | 0 |
| | 37 | 0 | 0 | -4954(1) | 1173(2-II-4) | -3579(3-II-4) | 0 |
| 9039 | 110 | 0 | 0 | 1341(1) | 1341(3-I-4) | 3178(2-I-4) | 0 |
| | 109 | 0 | 0 | -2420(2-I-4) | 1299(3-I-4) | 2894(2-I-4) | 0 |
| 9039 | 113 | 0 | 0 | 10613(2-I-4) | -137(3-II-4) | -2925(2-I-3) | 0 |
| | 110 | 0 | 0 | -4011(2-II-4) | -114(3-I-4) | 3475(2-I-4) | 0 |
| 9039 | 114 | 0 | 0 | 5030(1) | -890(3-I-4) | -3955(1) | 0 |
| | 113 | 0 | 0 | 1243(1) | -931(3-I-4) | -3172(2-I-3) | 0 |
| 9039 | 122 | 0 | 0 | 2910(1) | 1759(3-II-4) | -2860(2-I-4) | 0 |
| | 114 | 0 | 0 | -4022(1) | 1512(3-I-4) | -4585(2-II-4) | 0 |

# Verifiche stato limite ultimo

## Verifica dei Pilastri

Scenario di calcolo: **Scenario 2018**

**Simbologia**

L [cm] Lunghezza teorica elemento (distanza tra i nodi)
Ln [cm] Lunghezza netta elemento (tiene conto dei conci rigidi)
L2,L3 [cm] Lunghezze libere di inflessione
Sez. R: Sezione Rettangolare
By[cm]: Larghezza (asse locale y)
Bz[cm]: Larghezza (asse locale z)
Sez. T: Sezione a T (rovescia e non )
Ba[cm]: Larghezza base inferiore
Ha[cm]: Altezza inferiore
Bs[cm]: Larghezza superiore
Hs[cm]: Altezza superiore
Sez. L: Sezione ad L (rovescia e non)
Ba[cm]: Larghezza base inferiore
Ha[cm]: Altezza inferiore
Bs[cm]: Larghezza superiore
Hs[cm]: Altezza superiore
Sez. C: Sezione circolare
R[cm]: Raggio
Sez. G: Sezione generica
B[cm]: Larghezza
H[cm]: Altezza
Aspigoli Area di ferro negli spigoli
Afy Area di ferro sul lato Y
Afz Area di ferro sul lato Z
Zona Punto di verifica
1/N Distanza dall'inizio della lunghezza netta
Piede Inizio lunghezza netta
Testa Fine lunghezza netta
Comb Combinazione di carico: quando Comb non è sismica è individuata dal codice [(+/-)C], quando è sismica è individuata dal codice [(+/-)(Cx+Cy) Cm Sc], (+/-) rappresenta la eventuale traslazione del diagramma del momento dovuta al taglio, come specificato nel criterio di verifica [ positiva (+) o negativa (-)]
- C Individua la Combinazione di Carico non sismica (1, 2, ecc. come da scenario);
- Cx Individua la Combinazione di Carico sismica in direzione x (SismaX, come da scenario);
- Cy Individua la Combinazione di Carico sismica in direzione y (SismaY, come da scenario);
- Cm Individua la Combinazione spostamento masse (I, II, III, IV, V, ecc. come da Combinazioni Sisma in Spostamento masse impalcato);
- Sc Individua la sottocombinazione ottenuta mediante la permutazione dei segni (1, 2, 3, 4, 5, 6, 7, 8):
1) Sc = + SismaZ*fz + SismaX*fx + SismaY*fy
2) Sc = + SismaZ*fz + SismaX*fx - SismaY*fy
3) Sc = + SismaZ*fz - SismaX*fx + SismaY*fy
4) Sc = + SismaZ*fz - SismaX*fx - SismaY*fy.
5) Sc = - SismaZ*fz + SismaX*fx + SismaY*fy
6) Sc = - SismaZ*fz + SismaX*fx - SismaY*fy
7) Sc = - SismaZ*fz - SismaX*fx + SismaY*fy
8) Sc = - SismaZ*fz - SismaX*fx - SismaY*fy.

Le ultime quattro sono assenti quando non è richiesto il contributo del sisma in direzione verticale. Le combinazioni delle azioni sismiche così ottenute vengono combinate con i carichi verticali (come da scenario).

N [kg] Sforzo Normale
N*y [kg] Sforzo Normale x Omega2
N*z [kg] Sforzo Normale x Omega3
My [kg*m] Momento flettente dir Y
M*y [kg*m] Momento flettente dir Y x cy
cy [kg*m] Coefficiente moltiplicativo momento flettente dir Y per verifica a carico di punta
cz [kg*m] Coefficiente moltiplicativo momento flettente dir Z per verifica a carico di punta
Mz [kg*m] Momento flettente dir Z
M*z [kg*m] Momento flettente dir Z x cz

| | |
|---|---|
| εcmax | Deformazione massima cls ([1]) |
| εfmax | Deformazione massima acciaio ([1]) |
| εcMy | Deformazione massima cls int direzione Y per pressoflessione retta ([1]) |
| εfMy | Deformazione massima acciaio int direzione Y per pressoflessione retta ([1]) |
| εcMz | Deformazione massima cls int direzione Z per pressoflessione retta ([1]) |
| εfMz | Deformazione massima acciaio int direzione Z per pressoflessione retta ([1]) |
| ΣMrtY | Somma dei momenti resistenti delle travi in direzione Y([2]) |
| ΣMrtZ | Somma dei momenti resistenti delle travi in direzione Z([2]) |
| ΣMyRich. | Momento resistente richiesto direzione Y per rispettare la gerarchia([2]) |
| ΣMzRich. | Momento resistente richiesto direzione Z per rispettare la gerarchia([2]) |
| T [kg] | Valore del taglio |
| Dir[Y-Z] | Direzione della componente di taglio |
| VRdns [kg] | Resistenza a taglio in assenza di armature |
| VRdns [kg] | Resistenza a taglio in assenza di armature |
| VRcd [kg] | Resistenza taglio-compressione calcestruzzo |
| VRsd [kg] | Resistenza taglio-trazione acciaio |
| VRd [kg] | Resistenza a taglio =min(VRcd,VRsd) |
| VRd,f [kg] | Resistenza a taglio dovuta alla resistenza a trazione del calcestruzzo ad alte prestazioni (quando presente)(cfr. eq 4.2 CNR204/2006), oppure resistenza rinforzo del composito (quando presente)(cfr. eq 4.19 CNR200/2013), oppure resistenza rinforzo della camicia in acciaio (quando presente)(cfr. eq C8.7.4.5 Circolare NTC) |
| Ast/m [cmq] | Armatura staffe |
| Min.Norm. | Valore minimo di norma dell' area delle staffe |
| cot(θ) | cot(θ) secondo il punto 4.1.2.3.5 delle Norme Tecniche |
| Fatt.Ampl.Sisma | Fattore moltiplicativo di gruppo per le azioni sismiche (solo se diverso da 1.0) |
| Cs | Coefficiente di sicurezza definito dal rapporto \|Fr\|/\|Fd\| (Fr=punto sul dominio di resistenza ottenuto aumentando proporzionalmente Fd,Fd=azione), quando richiesto dal criterio di verifica |
| $\zeta_E$ | Livello di sicurezza sismico definito come rapporto tra l'accelerazione sopportabile e l'accelerazione di progetto( valore stampato quando richiesto dal criterio di verifica) |

**Verifiche duttilità (quando richieste):**

| | |
|---|---|
| Zona | Sezione di verifica dell'elemento |
| Comb. | Combinazione di verifica |
| Nmax [kg] | Sforzo Normale massimo |
| Dir | Direzione di flessione (pilastri=Y o Z, travi =Z, pareti= ortogonale alla base) |
| Mry [kg*m] | Momento di snervamento corrispondente a Nmax |
| MrU [kg*m] | Momento ultimo (resistente) corrispondente a Nmax sulla sezione depurata del calcestruzzo non confinato, considerando il confinamento |
| φy[1/m] | Curvatura allo snervamento (φy= MrU/Mry * φ'y) |
| φu[1/m] | Curvatura allo corrispondente a MrU |
| μ | Capacita in duttilità della sezione |
| F.Conf | Fattore di confinamento adottato (= fck,c/fck) |
| μd | Richiesta in duttilità della sezione |
| Cs | Livello di sicurezza (Cs=μ/μd) |

Note Verifica pilastri:

([1]) le deformazioni sono stampate a meno del fattore $10^{-3}$

([2]) I momenti resistenti richiesti sono quelli dovuti alla ripartizione della somma dei momenti resistenti delle travi quando nella tabella dei momenti appare '--' significa che la gerarchia in quella direzione non è applicabile a seconda che il pilastro sia al piano terra o all'ultimo piano, oppure, la combinazione corrente non è sismica, oppure, la combinazione è sismica ma la sua direzione non è nella direzione del pilastro considerata. Un valore nullo dei momenti resistenti è relativo a piede o testa di pilastri in fondazione o copertura

**Pilastro: 1053 [1053,1373]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.164 [(2+3)-IV-1] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |

$\nu_{max}$=N/(fcd*A)=0.048 <= 0.65 [Comb. (2+3)-IV-2(-)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-VIII-3(-) | 3593 | 6 | 12337 | 6606 | 14837 | 6606 | 14837 | 1.2 |
| Testa | (2+3)-IV-1(+) | 3715 | -2037 | -10122 | 6598 | 14819 | 6598 | 14819 | 1.1 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-IV-3 | -- | -- | 6952 | -- | 22387 | 18855 | 18855 | 5.24 | 2.500 | 2.7 |
| Z | (2+3)-I-3 | -- | -- | 1602 | -- | 20853 | 9635 | 9635 | 5.24 | 2.500 | 6.0 |

**Pilastro: 1057 [1057,1361]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.086 [(2+3)-I-3] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |

$\nu_{max}$=N/(fcd*A)=0.043 <= 0.65 [Comb. (2+3)-IV-2(+)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-III-3(-) | -4370 | -1826 | -3457 | 6134 | 10545 | 6134 | 10545 | 2.0 |
| Testa | (2+3)-I-3(+) | -4230 | 370 | 9616 | 6122 | 10524 | 6122 | 10524 | 1.1 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-I-3 | -- | -- | 3969 | -- | 23123 | 18855 | 18855 | 5.24 | 2.500 | 4.8 |
| Z | (2+3)-IV-3 | -- | -- | 974 | -- | 21060 | 9635 | 9635 | 5.24 | 2.500 | 9.9 |

**Pilastro: 1067 [1067,1362]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.148 [(2+3)-I-2] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |

$\nu_{max}$=N/(fcd*A)=0.026 <= 0.65 [Comb. (2+3)-III-3(+)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-III-3(-) | -4273 | -1876 | -3990 | 6126 | 10531 | 6126 | 10531 | 1.8 |
| Testa | (2+3)-I-2(+) | -2401 | -1227 | -7836 | 5971 | 10258 | 5971 | 10258 | 1.2 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-I-2 | -- | -- | 3545 | -- | 22865 | 18855 | 18855 | 5.24 | 2.500 | 5.3 |
| Z | (2+3)-IV-3 | -- | -- | 893 | -- | 21142 | 9635 | 9635 | 5.24 | 2.500 | 11 |

**Pilastro: 1076 [1076,1363]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.117 [(2+3)-III-3] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |

$\nu_{max}$=N/(fcd*A)=0.053 <= 0.65 [Comb. (2+3)-III-2(+)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-III-3(-) | -864 | -2465 | -3859 | 6309 | 12760 | 6309 | 12760 | 1.7 |
| Testa | (2+3)-III-3(+) | 120 | 2067 | 8698 | 6235 | 12614 | 6235 | 12614 | 1.1 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-III-2 | -- | -- | 4214 | -- | 23590 | 18855 | 18855 | 5.24 | 2.500 | 4.5 |
| Z | (2+3)-IV-3 | -- | -- | 1415 | -- | 20729 | 9635 | 9635 | 5.24 | 2.500 | 6.8 |

**Pilastro: 1082 [1082,1364]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=0.961 [(2+3)-III-2] : **Non verificato**

| | | | | |
|---|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 6.03 | Afz = 0.00 | |
| Testa | AfSpigolo = 3.14 | Afy = 6.03 | Afz = 0.00 | Sezione non verificata |

$\nu_{max}$=N/(fcd*A)=0.032 <= 0.65 [Comb. (2+3)-I-3(-)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-III-2(-) | 1086 | 3382 | 8305 | 8307 | 12252 | 8307 | 12252 | 1.0 |
| Testa | (2+3)-III-2(+) | 2070 | -3933 | -8575 | 8227 | 12126 | 8227 | 12126 | 0.960 |
| | Sezione non verificata : Sezione non verificata | | | | | | | | |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-III-2 | -- | -- | 4820 | -- | 22387 | 18855 | 18855 | 5.24 | 2.500 | 3.9 |
| Z | (2+3)-IV-3 | -- | -- | 3047 | -- | 20866 | 9635 | 9635 | 5.24 | 2.500 | 3.2 |

**Pilastro: 1091 [1091,1374]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.164 [(2+3)-IV-3] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |

$\nu_{max}$=N/(fcd*A)=0.067 <= 0.65 [Comb. (2+3)-IV-1(-)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-IV-4(-) | -320 | -2010 | -6094 | 6880 | 15419 | 6880 | 15419 | 1.7 |
| Testa | (2+3)-IV-3(+) | -8298 | 772 | -13822 | 7423 | 16580 | 7423 | 16580 | 1.2 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-IV-3 | -- | -- | 6411 | -- | 23558 | 18855 | 18855 | 5.24 | 2.500 | 2.9 |
| Z | (2+3)-I-3 | -- | -- | 983 | -- | 20843 | 9635 | 9635 | 5.24 | 2.500 | 9.8 |

**Pilastro: 1109 [1109,1365]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=0.977 [(2+3)-IV-3] : **Non verificato**

| | | | | |
|---|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 | |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 | Sezione non verificata |

$\nu_{max}$=N/(fcd*A)=0.032 <= 0.65 [Comb. (2+3)-I-3(-)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-IV-3(-) | -4287 | 892 | 7210 | 6564 | 13260 | 6564 | 13260 | 1.7 |

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| Testa | (2+3)-IV-3(+) | -3302 | -514 | -13091 | 6491 | 13117 | 6491 | 13117 | 0.976 |
| | Sezione non verificata : Sezione non verificata | | | | | | | | |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-IV-3 | -- | -- | 5793 | -- | 22992 | 18855 | 18855 | 5.24 | 2.500 | 3.3 |
| Z | (2+3)-VII-1 | -- | -- | 594 | -- | 21011 | 9635 | 9635 | 5.24 | 2.500 | 16 |

**Pilastro: 1129 [1129,1375]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=0.992 [(2+3)-VIII-2] : **Non verificato**

| | | | | |
|---|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 | |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 | Sezione non verificata |

$\nu_{max}$=N/(fcd*A)=0.032 <= 0.65 [Comb. (2+3)-V-2(+)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-II-1(-) | -4937 | -1180 | -7684 | 6612 | 13354 | 6612 | 13354 | 1.5 |
| Testa | (2+3)-VIII-2(+) | -3969 | -966 | 12490 | 6541 | 13213 | 6541 | 13213 | 0.992 |
| | Sezione non verificata : Sezione non verificata | | | | | | | | |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-VIII-2 | -- | -- | 5951 | -- | 22947 | 18855 | 18855 | 5.24 | 2.500 | 3.2 |
| Z | (2+3)-VII-3 | -- | -- | 779 | -- | 21207 | 9635 | 9635 | 5.24 | 2.500 | 12 |

**Pilastro: 1150 [1150,1366]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.117 [(2+3)-IV-2] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |

$\nu_{max}$=N/(fcd*A)=0.029 <= 0.65 [Comb. (2+3)-IV-3(-)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-VIII-2(-) | -4195 | 576 | -7450 | 7146 | 15987 | 7146 | 15987 | 2.1 |
| Testa | (2+3)-IV-2(+) | -3210 | 674 | 13729 | 7079 | 15844 | 7079 | 15844 | 1.1 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-VIII-2 | -- | -- | 6058 | -- | 22979 | 18855 | 18855 | 5.24 | 2.500 | 3.1 |
| Z | (2+3)-VII-1 | -- | -- | 546 | -- | 21170 | 9635 | 9635 | 5.24 | 2.500 | 18 |

**Pilastro: 1176 [1176,1384]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm Criterio: CLS_Pilastri_ND - Verifica a presso-flessione deviata,$\zeta_E$=1.063 [(2+3)-VIII-2] : **Verificato**

| | | | |
|---|---|---|---|
| Piede | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |
| Testa | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |

$\nu_{max}$=N/(fcd*A)=0.085 <= 0.65 [Comb. (2+3)-VII-2(+)]

| Zona | C. | N | My | Mz | Mry+ | Mrz+ | Mry- | Mrz- | CS |
|---|---|---|---|---|---|---|---|---|---|
| | | kg | kg*m | kg*m | kg*m | kg*m | kg*m | kg*m | |
| Piede | (2+3)-VIII-3(-) | -480 | -3181 | -3750 | 5811 | 9976 | 5811 | 9976 | 1.3 |
| Testa | (2+3)-VIII-2(+) | -11298 | -4311 | -5516 | 6693 | 11530 | 6693 | 11530 | 1.1 |

Verifica a taglio

| Dir | C. | MrSup | MrInf | T | Vrdns | Vrcd | Vrsd | Vrd | Ast/m | cot(θ) | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | kg*m | kg*m | kg | kg | kg | kg | kg | cmq/m | | |
| Y | (2+3)-V-1 | -- | -- | 3531 | -- | 24294 | 18855 | 18855 | 5.24 | 2.500 | 5.3 |
| Z | (2+3)-VIII-2 | -- | -- | 2198 | -- | 22058 | 9635 | 9635 | 5.24 | 2.500 | 4.4 |

# Verifica delle travi

Scenario di calcolo: **Scenario 2018**

**Simbologia:**

Terreno Nome della stratigrafia per travi Winkler
L [cm] Lunghezza teorica elemento (distanza tra i nodi)
Ln [cm] Lunghezza netta elemento (tiene conto dei conci rigidi)
L2,L3 [cm] Lunghezze libere di inflessione
Sez. R: Sezione Rettangolare
By[cm]: Larghezza (asse locale y)
Bz[cm]: Larghezza (asse locale z)
Sez. T: Sezione a T (rovescia e non )
Ba[cm]: Larghezza base inferiore
Ha[cm]: Altezza inferiore
Bs[cm]: Larghezza superiore
Hs[cm]: Altezza superiore
Sez. L: Sezione ad L (rovescia e non)
Ba[cm]: Larghezza base inferiore
Ha[cm]: Altezza inferiore
Bs[cm]: Larghezza superiore
Hs[cm]: Altezza superiore
Sez. C: Sezione circolare
R[cm]: Raggio
Sez. G: Sezione generica
B[cm]: Larghezza
H[cm]: Altezza
Fatt.Ampl.Sisma Fattore moltiplicativo di gruppo per le azioni sismiche (solo se diverso da 1.0)
X [cm] Punto di verifica
ILN Inizio luce netta
CAMP Punto di massimo momento sia superiore che inferiore ad esclusione degli estremi
FLN Fine luce netta
M- [kg*m] Momento negativo massimo di calcolo([1])
N- [kg] Sforzo normale corrispondente ad M-
M+ [kg*m] Momento positivo massimo di calcolo([1])
N+ [kg] Sforzo normale corrispondente ad M+
ΔM- [kg*m] Incremento di M- per la traslazione del diagramma del momento a causa del taglio
ΔM+ [kg*m] Incremento di M+ per la traslazione del diagramma del momento a causa del taglio
Afs [cmq] Area di ferro superiore
Afi [cmq] Area di ferro inferiore
εsc- Deformazione nel cls per effetto di M-:N-([4])
εsc+ Deformazione nel cls per effetto di M+:N+([4])
εsf- Deformazione nell'acciaio per effetto di M-:N-([4])
εsf+ Deformazione nell'acciaio per effetto di M+:N+([4])
C- Combinazione di carico generatore di M-:N-
C+ Combinazione di carico generatore di M+:N+
x- [cm] Profondità asse neutro per la combinazione C-([5])
d- [cm] Altezza utile della sezione per la combinazione C-([6])
x+ [cm] Profondità asse neutro per la combinazione C+([5])
d+ [cm] Altezza utile della sezione per la combinazione C+([6])

Mr- [kg*m] Momento resistente superiore
Mr+ [kg*m] Momento resistente inferiore
Stato- Stato della sezione per la combinazione C-([7])
Stato+ Stato della sezione per la combinazione C+([7])
Comb Combinazione di carico: quando Comb non è sismica è individuata dal codice [ C ], quando è sismica è individuata dal codice [(Cx+Cy) Cm Sc].
- C Individua la Combinazione di Carico non sismica (1, 2, ecc. come da scenario);
- Cx Individua la Combinazione di Carico sismica in direzione x (SismaX, come da scenario);
- Cy Individua la Combinazione di Carico sismica in direzione y (SismaY, come da scenario);
- Cm Individua la Combinazione spostamento masse (I, II, III, IV, V, ecc. come da Combinazioni Sisma in Spostamento masse impalcato);
- Sc Individua la sottocombinazione ottenuta mediante la permutazione dei segni (1, 2, 3, 4, 5, 6, 7, 8):
  1) Sc = + SismaZ*fz + SismaX*fx + SismaY*fy
  2) Sc = + SismaZ*fz + SismaX*fx - SismaY*fy
  3) Sc = + SismaZ*fz - SismaX*fx + SismaY*fy
  4) Sc = + SismaZ*fz - SismaX*fx - SismaY*fy.
  5) Sc = - SismaZ*fz + SismaX*fx + SismaY*fy
  6) Sc = - SismaZ*fz + SismaX*fx - SismaY*fy
  7) Sc = - SismaZ*fz - SismaX*fx + SismaY*fy
  8) Sc = - SismaZ*fz - SismaX*fx - SismaY*fy.

Le ultime quattro sono assenti quando non è richiesto il contributo del sisma in direzione verticale. Le combinazioni delle azioni sismiche così ottenute vengono combinate con i carichi verticali (come da scenario).
Sez Sezione di verifica [Sinistra/Centro/Destra]
Vd [kg] Taglio di progetto([2])
VRdns [kg] Resistenza a taglio in assenza di armature
VRcd [kg] Resistenza taglio-compressione calcestruzzo
VRsd [kg] Resistenza taglio-trazione acciaio
VRd [kg] Resistenza a taglio =min(VRcd,VRsd)
VRd,f [kg] Resistenza a taglio dovuta alla resistenza a trazione del calcestruzzo ad alte prestazioni (quando presente)(cfr. eq 4.2 CNR204/2006), oppure resistenza rinforzo del composito (quando presente)(cfr. eq 4.19 CNR200/2013), oppure resistenza rinforzo della camicia in acciaio (quando presente)(cfr. eq C8.7.4.5 Circolare NTC)
Tpl [kg] Taglio dovuto ai momenti resistenti alle estremità della trave
Mr [kg*m] Momento resistente (ultimo) utilizzato per il calcolo di Tpl quando richiesto
Dx [cm] Distanza dall'estremo da armare con staffe
Staffe [cmq/m] Area delle staffe per metro di lunghezza
cot($\theta$) cot($\theta$) secondo il punto 4.1.2.3.5 delle Norme Tecniche
TEd [kg*m] Momento torcente di progetto
TRcd [kg*m] Momento torcente resistente della biella compressa del calcestruzzo
TRsd [kg*m] Momento torcente resistente delle staffe
TRld [kg*m] Momento torcente resistente dei ferri longitudinali
VEd [kg] Taglio di progetto
VRcd [kg] Taglio resistente biella compressa
$\rho$ Rapporto TEd/TRcd+VEd/VRcd<=1
As [cmq/m] Area delle staffe (torsione) per metro di lunghezza([3])
F.Par. [cmq] Area armatura longitudinale di parete (torsione)([3])
CS Coefficiente di sicurezza definito dal rapporto Fr/Fd (Fr=resistenza,Fd=azione)
$\zeta_E$ Livello di sicurezza sismico definito come rapporto tra l'accelerazione sopportabile e l'accelerazione di progetto, quando richiesto dal criterio di verifica

Simbologia verifica travi collegamento:
Comb Combinazione più gravosa
Nsd [kg] Azione verticale negli elementi collegati, nella combinazione specificata
$\alpha$ Coefficiente in funzione della classe di terreno (NTC 7.2.5.1)
a/g Punto di aggancio dello spettro di accelerazione [a/g=Sa(0)]
N Sforzo normale di verifica N=$\alpha$*Nsd*a/g
Af [cmq] Area di ferro complessiva nella sezione
NRd C [kg] Resistenza a compressione della sezione
NRd T [kg] Resistenza a trazione della sezione

rcm [kg/cmq] Resistenza media calcestruzzo

| | |
|---|---|
| fym [kg/cmq] | Resistenza media acciaio |
| FC | Fattore di confidenza |
| qd | Fattore di comportamento verifiche duttili |
| qf | Fattore di comportamento verifiche fragili |

**Verifiche duttilità (quando richieste):**

| | |
|---|---|
| Zona | Sezione di verifica dell'elemento |
| Comb. | Combinazione di verifica |
| Nmax [kg] | Sforzo Normale massimo |
| Dir | Direzione di flessione (pilastri=Y o Z, travi =Z, pareti= ortogonale alla base) |
| Mry [kg*m] | Momento di snervamento corrispondente a Nmax |
| MrU [kg*m] | Momento ultimo (resistente) corrispondente a Nmax sulla sezione depurata del calcestruzzo non confinato, considerando il confinamento |
| $\phi$y[1/m] | Curvatura allo snervamento ($\phi$y= MrU/Mry * $\phi$'y) |
| $\phi$u[1/m] | Curvatura allo corrispondente a MrU |
| $\mu$ | Capacita in duttilità della sezione |
| F.Conf | Fattore di confinamento adottato (= fck,c/fck) |
| $\mu$d | Richiesta in duttilità della sezione |
| Cs | Livello di sicurezza (Cs=$\mu$/$\mu$d) |

Note Verifica travi:

(1) il valore del momento di verifica è dato da M +$\Delta$M

(2) Vd è il valore di progetto del taglio esso è calcolato in funzione della somma tra taglio da carichi verticali il valore di Tpl amplificato per il coefficiente di sovra-resistenzaovvero quando la trave è tozza amplificando il taglio di calcolo dovuto al sisma per il fattore di comportamento

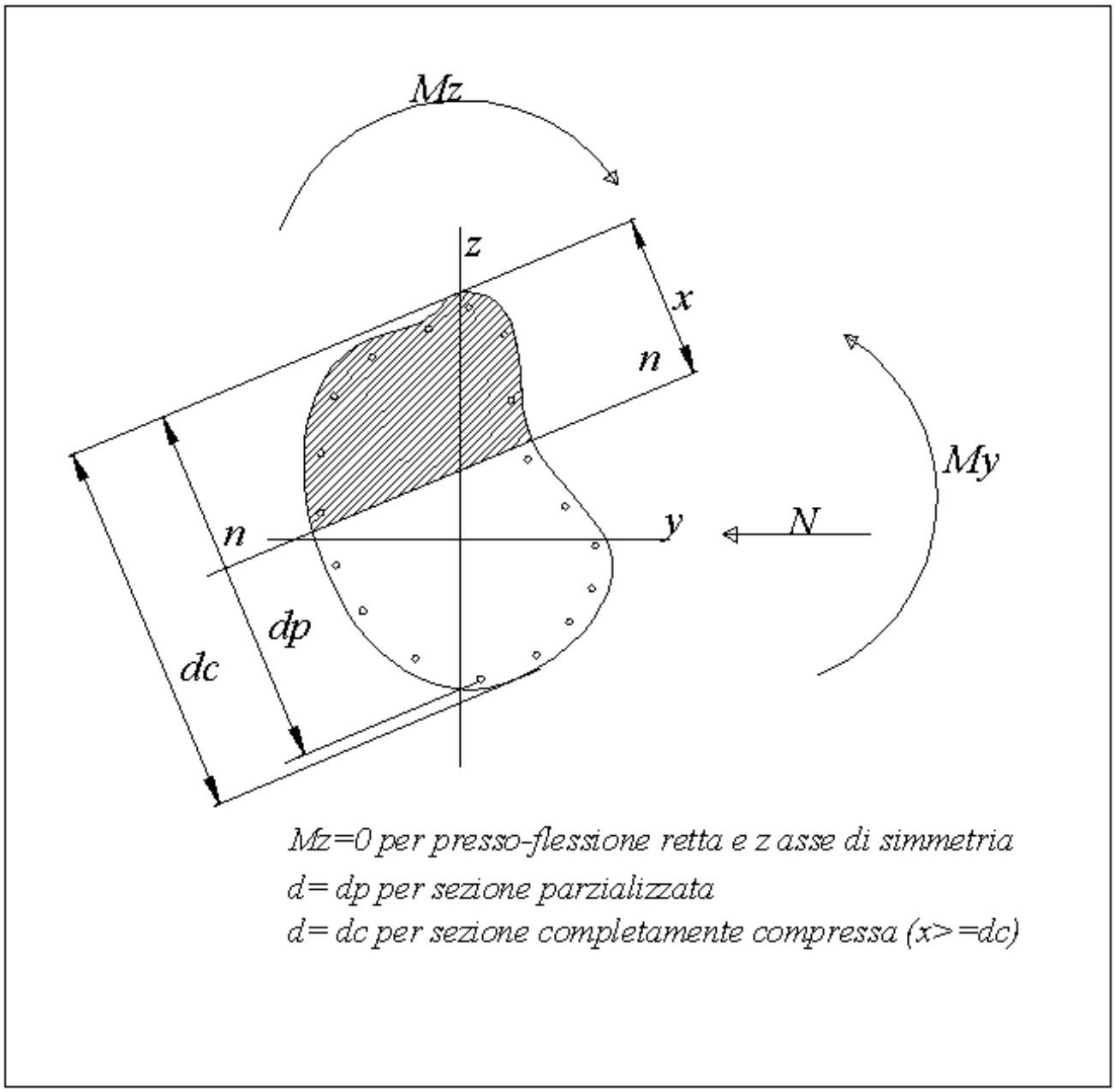
(3) L'armatura longitudinale è quella per la sola torsione. As sono le staffe strettamente necessarie per il momento torcente, quindi eventuali staffe sovrabbondanti sono affidate alla resistenza per il taglio

(4) le deformazioni sono stampate a meno del fattore $10^{-3}$

(5) distanza tra la fibra di cls compressa piu' lontata e l'asse neutro in direzione ortogonale all'asse neutro

(6) distanza tra le fibre sollecitate piu' lontane dall'asse neutro: nel caso di sezione parzializzata le due fibre sono quella di cls compresso e quella dell'acciaio teso piu lontane da n-n, mentre nel caso di sezione completamente compressa le due fibre sono le due di cls compresso piu lontane da n-n

(7) Indica lo stato della sezione se: completamente compressa (Compr.),completamente tesa (Tesa), parzializzata (Parz.)




Schema geometrico verifica della sezione

**Trave: 230 [1363,1364]**, Pilastrate [1076,1082] Sez. R: By=25.0 cm Bz=40.0 cm L=288.9 cm Ln=288.9 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.004 [(2+3)-III-2] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 8703 | 4449 | -- | -- | 8.64 | 6.16 | 10596 | 7709 | (2+3)-III-2 | (2+3)-III-3 | 1.2 |
| 28.9 | 6686 | 3559 | -- | -- | 8.64 | 6.16 | 10596 | 7709 | (2+3)-III-2 | (2+3)-III-3 | 1.6 |
| CAMP | 4132 | 6014 | -- | -- | 4.62 | 6.16 | 5822 | 7646 | (2+3)-III-3 | (2+3)-III-2 | 1.3 |
| 260.0 | 5434 | 7620 | -- | -- | 4.62 | 6.16 | 5822 | 7646 | (2+3)-III-3 | (2+3)-III-2 | 1.0 |
| FLN | 6788 | 9174 | -- | -- | 6.16 | 8.17 | 7704 | 10048 | (2+3)-III-3 | (2+3)-III-2 | 1.1 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 10596 | 7709 | (2+3)-III-2 | (2+3)-III-3 | Parz. | Parz. |
| 28.9 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 10596 | 7709 | (2+3)-III-2 | (2+3)-III-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5822 | 7646 | (2+3)-III-3 | (2+3)-III-2 | Parz. | Parz. |
| 260.0 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5822 | 7646 | (2+3)-III-3 | (2+3)-III-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7704 | 10048 | (2+3)-III-3 | (2+3)-III-2 | Parz. | Parz. |

Verifica a taglio: cot($\theta$) Sin=1.866,cot($\theta$) Cen=2.500,cot($\theta$) Des=1.866 Comb: Sin=(2+3)-III-2 Cen=(2+3)-III-2 Des=(2+3)-III-2

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 7074 | -- | 23723 | 23723 | 23723 | 0 | 10596 | 40.0 | 10.05 | 3.4 |
| Cen | 6719 | -- | 19651 | 17827 | 17827 | -- | -- | -- | 5.64 | 2.7 |
| Des | 5471 | -- | 23723 | 23723 | 23723 | 0 | 10048 | 40.0 | 10.05 | 4.3 |

**Trave: 230 [1362,1363]**, Pilastrate [1067,1076] Sez. R: By=25.0 cm Bz=40.0 cm L=518.1 cm Ln=518.1 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.282 [(2+3)-I-3] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 4738 | 2437 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | 1.2 |
| 51.8 | 3369 | 2446 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | 1.7 |
| CAMP | 2165 | 2293 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | 2.5 |
| 466.3 | 3422 | 1757 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | 1.7 |
| FLN | 4887 | 1653 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | 1.2 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | Parz. | Parz. |
| 51.8 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | Parz. | Parz. |
| 466.3 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | Parz. | Parz. |

Verifica a taglio: cot($\theta$) Sin=1.792,cot($\theta$) Cen=2.500,cot($\theta$) Des=1.792 Comb: Sin=(2+3)-I-2 Cen=(2+3)-I-3 Des=(2+3)-I-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 2805 | -- | 24250 | 24250 | 24250 | 0 | 5809 | 56.4 | 10.70 | 8.6 |
| Cen | 2357 | -- | 19651 | 16026 | 16026 | -- | -- | -- | 5.07 | 6.8 |
| Des | 2993 | -- | 24250 | 24250 | 24250 | 0 | 5809 | 56.4 | 10.70 | 8.1 |

**Trave: 230 [1361,1362]**, Pilastrate [1057,1067] Sez. R: By=25.0 cm Bz=40.0 cm L=464.9 cm Ln=464.9 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.162 [(2+3)-I-3] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 5778 | 2544 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-III-2 | (2+3)-III-3 | 1.3 |
| 46.5 | 4306 | 2369 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-III-2 | (2+3)-III-3 | 1.3 |
| CAMP | 2965 | 1218 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-III-2 | (2+3)-IV-3 | 2.0 |
| 418.4 | 3794 | 2894 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | 1.5 |
| FLN | 5134 | 3191 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | 1.1 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-III-2 | (2+3)-III-3 | Parz. | Parz. |
| 46.5 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-III-2 | (2+3)-III-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-III-2 | (2+3)-IV-3 | Parz. | Parz. |
| 418.4 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-3 | (2+3)-I-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.866,cot(θ) Cen=2.500,cot(θ) Des=1.866 Comb: Sin=(2+3)-III-2 Cen=(2+3)-III-2 Des=(2+3)-III-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 3307 | -- | 23728 | 23728 | 23728 | 0 | 7646 | 50.0 | 10.06 | 7.2 |
| Cen | 2751 | -- | 19651 | 16065 | 16065 | -- | -- | -- | 5.08 | 5.8 |
| Des | 3035 | -- | 23728 | 23728 | 23728 | 0 | 5809 | 50.0 | 10.06 | 7.8 |

**Trave: 230 [1373,1361]**, Pilastrate [1053,1057] Sez. R: By=25.0 cm Bz=40.0 cm L=492.0 cm Ln=492.0 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.003 [(2+3)-I-3] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 4794 | 4357 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | 1.2 |
| 49.2 | 3127 | 4165 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | 1.4 |
| CAMP | -- | 3745 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-V-1 | (2+3)-I-3 | 1.6 |
| 442.8 | 5444 | 2144 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-I-3 | (2+3)-I-2 | 1.4 |
| FLN | 7633 | 1814 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-I-3 | (2+3)-I-2 | 1.0 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | Parz. | Parz. |
| 49.2 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-I-2 | (2+3)-I-3 | Parz. | Parz. |
| CAMP | -- | -- | -- | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-V-1 | (2+3)-I-3 | -- | Parz. |
| 442.8 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-I-3 | (2+3)-I-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-I-3 | (2+3)-I-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.760,cot(θ) Cen=2.500,cot(θ) Des=1.760 Comb: Sin=(2+3)-I-2 Cen=(2+3)-I-3 Des=1

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 3619 | -- | 24480 | 24480 | 24480 | 0 | 5809 | 54.8 | 11.00 | 6.8 |
| Cen | 3792 | -- | 19651 | 15561 | 15561 | -- | -- | -- | 4.92 | 4.1 |
| Des | 4654 | -- | 24480 | 24480 | 24480 | 0 | 7646 | 54.8 | 11.00 | 5.3 |

**Trave: 231 [1364,1365]**, Pilastrate [1082,1109] Sez. R: By=25.0 cm Bz=40.0 cm L=368.5 cm Ln=368.5 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.128 [(2+3)-IV-2] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 5103 | 6128 | -- | -- | 4.62 | 6.16 | 5822 | 7646 | (2+3)-IV-2 | (2+3)-IV-3 | 1.1 |

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 36.9 | 3788 | 5117 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-IV-2 | (2+3)-IV-3 | 1.1 |
| CAMP | 4490 | 3353 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-IV-3 | (2+3)-IV-1 | 1.3 |
| 331.7 | 6215 | 3550 | -- | -- | 6.63 | 4.62 | 8201 | 5825 | (2+3)-IV-3 | (2+3)-IV-2 | 1.3 |
| FLN | 8028 | 4065 | -- | -- | 8.17 | 4.62 | 9989 | 5833 | (2+3)-IV-3 | (2+3)-IV-2 | 1.2 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5822 | 7646 | (2+3)-IV-2 | (2+3)-IV-3 | Parz. | Parz. |
| 36.9 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-IV-2 | (2+3)-IV-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-IV-3 | (2+3)-IV-1 | Parz. | Parz. |
| 331.7 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 8201 | 5825 | (2+3)-IV-3 | (2+3)-IV-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 9989 | 5833 | (2+3)-IV-3 | (2+3)-IV-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.866,cot(θ) Cen=2.500,cot(θ) Des=1.866 Comb: Sin=(2+3)-IV-2 Cen=(2+3)-IV-3 Des=(2+3)-IV-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 3695 | -- | 23723 | 23723 | 23723 | 0 | 7646 | 40.0 | 10.05 | 6.4 |
| Cen | 4563 | -- | 19651 | 15167 | 15167 | -- | -- | -- | 4.80 | 3.3 |
| Des | 5044 | -- | 23723 | 23723 | 23723 | 0 | 9989 | 40.0 | 10.05 | 4.7 |

**Trave: 231 [1365,1366]**, Pilastrate [1109,1150] Sez. R: By=25.0 cm Bz=40.0 cm L=416.3 cm Ln=416.3 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.007 [(2+3)-VIII-2] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 7601 | 5336 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.0 |
| 41.6 | 5851 | 4559 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.3 |
| CAMP | 4215 | 1650 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-VIII-2 | (2+3)-VII-1 | 1.4 |
| 374.7 | 5739 | 4131 | -- | -- | 7.70 | 4.62 | 9445 | 5831 | (2+3)-IV-3 | (2+3)-IV-2 | 1.4 |
| FLN | 7515 | 4860 | -- | -- | 7.70 | 4.62 | 9445 | 5831 | (2+3)-IV-3 | (2+3)-IV-2 | 1.2 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| 41.6 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-VIII-2 | (2+3)-VII-1 | Parz. | Parz. |
| 374.7 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 9445 | 5831 | (2+3)-IV-3 | (2+3)-IV-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 9445 | 5831 | (2+3)-IV-3 | (2+3)-IV-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.726,cot(θ) Cen=2.500,cot(θ) Des=1.726 Comb: Sin=(2+3)-VIII-2 Cen=(2+3)-VIII-3 Des=(2+3)-VIII-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 4340 | -- | 24718 | 24718 | 24718 | 0 | 5822 | 44.4 | 11.33 | 5.7 |
| Cen | 3892 | -- | 19651 | 15827 | 15827 | -- | -- | -- | 5.01 | 4.1 |
| Des | 4428 | -- | 24718 | 24718 | 24718 | 0 | 9445 | 44.4 | 11.33 | 5.6 |

**Trave: 231 [1366,1369]**, Pilastrate [1150,--] Sez. R: By=25.0 cm Bz=40.0 cm L=418.7 cm Ln=418.7 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.173 [(2+3)-VIII-2] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 8952 | 3930 | -- | -- | 9.24 | 4.62 | 11208 | 5837 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.3 |
| 41.9 | 6969 | 3568 | -- | -- | 7.70 | 4.62 | 9445 | 5831 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.4 |
| CAMP | 5098 | 3094 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.1 |

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 376.8 | 3368 | 4857 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-VIII-3 | (2+3)-VIII-2 | 1.2 |
| FLN | 4738 | 5832 | -- | -- | 4.62 | 6.16 | 5822 | 7646 | (2+3)-VIII-3 | (2+3)-VIII-2 | 1.2 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 11208 | 5837 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| 41.9 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 9445 | 5831 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| 376.8 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-VIII-3 | (2+3)-VIII-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5822 | 7646 | (2+3)-VIII-3 | (2+3)-VIII-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.713,cot(θ) Cen=2.500,cot(θ) Des=1.713 Comb: Sin=(2+3)-VIII-2 Cen=(2+3)-VIII-2 Des=(2+3)-VIII-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 4871 | -- | 24814 | 24814 | 24814 | 0 | 11208 | 43.9 | 11.46 | 5.1 |
| Cen | 4333 | -- | 19651 | 16014 | 16014 | -- | -- | -- | 5.07 | 3.7 |
| Des | 3405 | -- | 24814 | 24814 | 24814 | 0 | 7646 | 43.9 | 11.46 | 7.3 |

**Trave: 232 [1373,1374]**, Pilastrate [1053,1091] Sez. R: By=25.0 cm Bz=40.0 cm L=248.6 cm Ln=248.3 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=0.967 [(2+3)-IV-3] : **Non verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 8121 | 12349 | -- | -- | 8.64 | 10.05 | 10706 | 12333 | (2+3)-IV-2 | (2+3)-IV-3 | 0.998 |

Sez. ILN non verificata rispetto al criterio di verifica: Sezione non verificata

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 24.8 | 6714 | 10248 | -- | -- | 8.64 | 8.04 | 10658 | 9967 | (2+3)-IV-2 | (2+3)-IV-3 | 0.972 |

Sez. 24.8 non verificata rispetto al criterio di verifica: Sezione non verificata

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CAMP | 5341 | 8113 | -- | -- | 4.62 | 8.04 | 5832 | 9844 | (2+3)-IV-2 | (2+3)-IV-3 | 1.1 |
| 223.4 | 7841 | 3296 | -- | -- | 6.16 | 8.04 | 7703 | 9901 | (2+3)-IV-3 | (2+3)-IV-2 | 0.982 |

Sez. 223.4 non verificata rispetto al criterio di verifica: Sezione non verificata

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FLN | 10263 | 4381 | -- | -- | 8.17 | 8.04 | 10102 | 9956 | (2+3)-IV-3 | (2+3)-IV-2 | 0.984 |

Sez. FLN non verificata rispetto al criterio di verifica: Sezione non verificata

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 10706 | 12333 | (2+3)-IV-2 | (2+3)-IV-3 | Parz. | Parz. |
| 24.8 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 10658 | 9967 | (2+3)-IV-2 | (2+3)-IV-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5832 | 9844 | (2+3)-IV-2 | (2+3)-IV-3 | Parz. | Parz. |
| 223.4 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7703 | 9901 | (2+3)-IV-3 | (2+3)-IV-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 10102 | 9956 | (2+3)-IV-3 | (2+3)-IV-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.866,cot(θ) Cen=2.412,cot(θ) Des=1.866 Comb: Sin=(2+3)-IV-3 Cen=(2+3)-IV-3 Des=(2+3)-IV-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 8535 | -- | 23723 | 23723 | 23723 | 0 | 12333 | 40.0 | 10.05 | 2.8 |
| Cen | 9537 | -- | 20162 | 20162 | 20162 | -- | -- | -- | 6.61 | 2.1 |
| Des | 9839 | -- | 23723 | 23723 | 23723 | 0 | 10102 | 40.0 | 10.05 | 2.4 |

**Trave: 232 [1374,1375]**, Pilastrate [1091,1129] Sez. R: By=25.0 cm Bz=40.0 cm L=564.8 cm Ln=564.8 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.034 [(2+3)-VIII-2] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 7439 | 3863 | -- | -- | 6.16 | 4.02 | 7632 | 5093 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.0 |
| 56.5 | 5419 | 3598 | -- | -- | 4.62 | 4.02 | 5802 | 5085 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.1 |
| CAMP | 3797 | 1110 | -- | -- | 4.62 | 4.02 | 5802 | 5085 | (2+3)-VIII-3 | 1 | 1.5 |

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 508.3 | 5640 | 3676 | -- | -- | 9.24 | 4.02 | 11172 | 5101 | (2+3)-VIII-3 | (2+3)-VIII-2 | 1.4 |
| FLN | 7682 | 3918 | -- | -- | 9.24 | 4.02 | 11172 | 5101 | (2+3)-VIII-3 | (2+3)-VIII-2 | 1.3 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7632 | 5093 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| 56.5 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5802 | 5085 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5802 | 5085 | (2+3)-VIII-3 | 1 | Parz. | Parz. |
| 508.3 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 11172 | 5101 | (2+3)-VIII-3 | (2+3)-VIII-2 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 11172 | 5101 | (2+3)-VIII-3 | (2+3)-VIII-2 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.726,cot(θ) Cen=2.500,cot(θ) Des=1.726 Comb: Sin=(2+3)-VIII-2 Cen=(2+3)-VIII-3 Des=(2+3)-VIII-3

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 3753 | -- | 24717 | 24717 | 24717 | 0 | 5093 | 62.1 | 11.32 | 6.6 |
| Cen | 3091 | -- | 19651 | 16148 | 16148 | -- | -- | -- | 5.11 | 5.2 |
| Des | 3795 | -- | 24717 | 24717 | 24717 | 0 | 11172 | 62.1 | 11.32 | 6.5 |

**Trave: 232 [1384,1375]**, Pilastrate [1176,1129] Sez. R: By=25.0 cm Bz=40.0 cm L=575.0 cm Ln=575.0 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.111 [(2+3)-VIII-2] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 6287 | 5183 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-VIII-3 | (2+3)-VIII-2 | 1.1 |
| 57.5 | 4402 | 4739 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-VIII-3 | (2+3)-VIII-2 | 1.2 |
| CAMP | 4211 | 2947 | -- | -- | 4.62 | 4.62 | 5809 | 5809 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.4 |
| 517.5 | 6321 | 3166 | -- | -- | 9.24 | 4.62 | 11208 | 5837 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.8 |
| FLN | 8637 | 3179 | -- | -- | 9.24 | 4.62 | 11208 | 5837 | (2+3)-VIII-2 | (2+3)-VIII-3 | 1.3 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-VIII-3 | (2+3)-VIII-2 | Parz. | Parz. |
| 57.5 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-VIII-3 | (2+3)-VIII-2 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 5809 | 5809 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| 517.5 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 11208 | 5837 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 11208 | 5837 | (2+3)-VIII-2 | (2+3)-VIII-3 | Parz. | Parz. |

Verifica a taglio: cot(θ) Sin=1.769,cot(θ) Cen=2.500,cot(θ) Des=1.769 Comb: Sin=(2+3)-VIII-3 Cen=(2+3)-VIII-2 Des=(2+3)-VIII-2

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 3460 | -- | 24414 | 24414 | 24414 | 0 | 5822 | 64.5 | 10.92 | 7.1 |
| Cen | 3489 | -- | 19651 | 15566 | 15566 | -- | -- | -- | 4.92 | 4.5 |
| Des | 4207 | -- | 24414 | 24414 | 24414 | 0 | 11208 | 64.5 | 10.92 | 5.8 |

**Trave: 233 [1382,1384]**, Pilastrate [--,1176] Sez. R: By=25.0 cm Bz=40.0 cm L=53.3 cm Ln=53.3 cm Criterio : CLS_TraviAlte_ND - Verifica a flessione,$\zeta_E$=1.307 [(2+3)-V-1] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 506 | 1577 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-VIII-1 | (2+3)-VIII-4 | 3.7 |
| 5.3 | 764 | 1426 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-VII-1 | (2+3)-VII-4 | 4.1 |
| CAMP | 4932 | 2693 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-V-1 | (2+3)-V-4 | 1.6 |
| 48.0 | 5572 | 2913 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-V-1 | (2+3)-V-4 | 1.4 |
| FLN | 6214 | 3133 | -- | -- | 6.16 | 4.62 | 7646 | 5822 | (2+3)-V-1 | (2+3)-V-4 | 1.2 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-VIII-1 | (2+3)-VIII-4 | Parz. | Parz. |
| 5.3 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-VII-1 | (2+3)-VII-4 | Parz. | Parz. |
| CAMP | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-V-1 | (2+3)-V-4 | Parz. | Parz. |
| 48.0 | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-V-1 | (2+3)-V-4 | Parz. | Parz. |
| FLN | 20.0 | 35.9 | 0.557 | 20.0 | 35.9 | 0.557 | 7646 | 5822 | (2+3)-V-1 | (2+3)-V-4 | Parz. | Parz. |

Verifica a taglio: cot($\theta$) =1.248 Comb: (2+3)-VII-2

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 12173 | -- | 27810 | 27810 | 27810 | 0 | 5822 | 53.3 | 17.63 | 2.3 |
| Des | | | | | | | 7646 | | | |

**Trave: 306 [3264,3261]**, Pilastrate [--,--] Sez. R: By=30.0 cm Bz=70.0 cm L=929.2 cm Ln=929.2 cm Criterio : CLS_TraviAlte_Esist - Verifica a flessione rcm=300 kg/cmq, fym barre=4500 kg/cmq, fym staffe=4500 kg/cmq, FC=1.20, qd=2, qf=1.5,$\zeta_E$=2.987 [(2+3)-V-3] : **Verificato**

| X | M- | M+ | ΔM- | ΔM+ | Afs | Afi | Mr- | Mr+ | C- | C+ | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | kg*m | kg*m | cmq | cmq | kg*m | kg*m | | | |
| ILN | 6994 | 4795 | -- | -- | 7.70 | 12.06 | 18704 | 29144 | (2+3)-V-3 | (2+3)-V-2 | 2.7 |
| 92.9 | -- | 9469 | -- | -- | 6.16 | 12.06 | 15008 | 29112 | (2+3)-V-3 | (2+3)-V-2 | 3.1 |
| CAMP | -- | 25782 | -- | -- | 6.16 | 12.06 | 15008 | 29112 | (2+3)-VIII-4 | 1 | 1.1 |
| 836.3 | -- | 9385 | -- | -- | 6.16 | 12.06 | 15008 | 29112 | (2+3)-V-2 | (2+3)-V-3 | 3.1 |
| FLN | 6955 | 4746 | -- | -- | 7.70 | 12.06 | 18704 | 29144 | (2+3)-V-2 | (2+3)-V-3 | 2.7 |

| X | x- | d- | x-/d- | x+ | d+ | x+/d+ | Mr- | Mr+ | C- | C+ | Stato- | Stato + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | cm | cm | | cm | cm | | kg*m | kg*m | | | | |
| ILN | 35.0 | 67.0 | 0.522 | 35.0 | 67.0 | 0.522 | 18704 | 29144 | (2+3)-V-3 | (2+3)-V-2 | Parz. | Parz. |
| 92.9 | -- | -- | -- | 35.0 | 67.0 | 0.522 | 15008 | 29112 | (2+3)-V-3 | (2+3)-V-2 | -- | Parz. |
| CAMP | -- | -- | -- | 35.0 | 67.0 | 0.522 | 15008 | 29112 | (2+3)-VIII-4 | 1 | -- | Parz. |
| 836.3 | -- | -- | -- | 35.0 | 67.0 | 0.522 | 15008 | 29112 | (2+3)-V-2 | (2+3)-V-3 | -- | Parz. |
| FLN | 35.0 | 67.0 | 0.522 | 35.0 | 67.0 | 0.522 | 18704 | 29144 | (2+3)-V-2 | (2+3)-V-3 | Parz. | Parz. |

Verifica a taglio: cot($\theta$) Sin=2.054,cot($\theta$) Cen=2.500,cot($\theta$) Des=2.054 Comb: Sin=1 Cen=1 Des=1

| Sez | Vd | VRdns | VRcd | VRsd | VRd | Tpl | Mr | Dx | Staffe | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | kg | kg | kg | kg | kg | kg*m | cm | cmq/m | |
| Sin | 11612 | -- | 41855 | 41855 | 41855 | 0 | 29144 | 106.7 | 10.36 | 3.6 |
| Cen | 7160 | -- | 36674 | 19741 | 19741 | -- | -- | -- | 4.02 | 2.8 |
| Des | 11827 | -- | 41855 | 41855 | 41855 | 0 | 18704 | 106.7 | 10.36 | 3.5 |

# Verifica delle Murature

Scenario di calcolo: **Scenario 2018**

**Simbologia**

Comb Combinazione di carico: quando Comb non è sismica è individuata dal codice [ C ], quando è sismica è individuata dal codice [(Cx+Cy) Cm Sc].

- C Individua la Combinazione di Carico non sismica (1, 2, ecc. come da scenario);
- Cx Individua la Combinazione di Carico sismica in direzione x (SismaX, come da scenario);
- Cy Individua la Combinazione di Carico sismica in direzione y (SismaY, come da scenario);

- Cm Individua la Combinazione spostamento masse (I, II, III, IV, V, ecc. come da Combinazioni Sisma in Spostamento masse impalcato);
- Sc Individua la sottocombinazione ottenuta mediante la permutazione dei segni (1, 2, 3, 4, 5, 6, 7, 8):
  1) Sc = + SismaZ*fz + SismaX*fx + SismaY*fy
  2) Sc = + SismaZ*fz + SismaX*fx - SismaY*fy
  3) Sc = + SismaZ*fz - SismaX*fx + SismaY*fy
  4) Sc = + SismaZ*fz - SismaX*fx - SismaY*fy.
  5) Sc = - SismaZ*fz + SismaX*fx + SismaY*fy
  6) Sc = - SismaZ*fz + SismaX*fx - SismaY*fy
  7) Sc = - SismaZ*fz - SismaX*fx + SismaY*fy
  8) Sc = - SismaZ*fz - SismaX*fx - SismaY*fy.

Le ultime quattro sono assenti quando non è richiesto il contributo del sisma in direzione verticale. Le combinazioni delle azioni sismiche così ottenute vengono combinate con i carichi verticali (come da scenario).

X,Y,Z [mm] coordinata principale della della sezione (tipicamente Z per setti verticali,X o Y per travi di accoppiamento)
L [cm] Lunghezza della sezione
t [cm] Spessore della sezione
N [kg] Sforzo normale complessivo (Nsetti=Ncalcolo + NPrecompressione, Ntravi=Ncalcolo)
Nps [kg] Sforzo normale di precompressione setto
Tx [kg] Taglio nel piano del setto
My [kg*m] Momento nel piano del setto
fvd [kg/cmq] Resistenza unitaria a taglio = (fv0 + 0.4*N / (L'*t))/$\gamma$Mdove L' = L se M / N<L / 6 L'=3*(L/2-M/N) se M/N>L/6 L' = 0 se M / N>L / 2
ftdu [kg/cmq] Resistenza unitaria a trazione per fessurazione diagonale ftdu=Vt/(L*t)(Vt calcolato in base alla C8.7.1.1 cfr. Muratura esistente C8.7.1.5)
Vt [kg] Resistenza a taglio ([1])
Muy [kg] [%s] :Momento resistente nel piano
FC Fattore di confidenza per murature esistenti (FC= moltiplicatore di $\gamma$M)
CS Coefficiente di sicurezza definito dal rapporto Fr/Fd (Fr=resistenza,Fd=azione)
$\zeta_E$ Livello di sicurezza sismico definito come rapporto tra l'accelerazione sopportabile e l'accelerazione di progetto, quando richiesto dal criterio di verifica
Vtc [kg] Resistenza a taglio per compressione della muratura ([2])
Vtm [kg] Resistenza a taglio per attrito della muratura
Vts [kg] Resistenza a taglio dell'armatura orizzontale
Vtf [kg] Resistenza a taglio del rinforzo FRP a taglio
Hp [kg] Resistenza dell'elemento a trazione per le travi in muratura ([3])
HpProg. [kg] Resistenza di progetto dell'elemento a trazione per le travi in muratura ([3])

Verifiche fuori piano:

- ZG [mm] Quota del centro del setto
- H [cm] Altezza del setto
- Q [kg/m] Carico sismico distribuito lungo l'altezza
- Mx [kg*m] Momento fuori piano del setto
- Mux [kg*m] Momento resistente fuori piano del setto

Note:

([1]) Nel caso di muratura armata Vt=MIN(Vtc,Vts+Vtm+Vtf)
([2]) Nel calcolo di Vtc si adotta la resistenza $fk^*$=fk*(Riduzione di fk puntone traliccio)
([3]) Nel caso di muratura non armata Hp=std::min(HpProg,0.4*fhk*H*t/$\gamma$M) (cfr. NTC 7.8.2.2.4)

Muratura 59 - Nodi : [62 - 88 - 114 - 153 - 191 - 1190 - 1169 - 1165 - 1154 - 1137 - 1124 - 1114 - 1103 - 1096 - 1087 - 1063 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.656 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 1: Setto $\zeta_E$=0.852 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 660.0 | 60.0 | -58803 | 49287 | -3749 | 1 | 42162 | 148284 | 0.85 |

Setto 2: Setto $\zeta_E$=0.656 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 286.0 | 60.0 | -37932 | -21261 | 8455 | 1 | 14181 | 35199 | 0.67 |

Setto 3: Setto $\zeta_E$=0.750 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 107.9 | 60.0 | -10956 | -6591 | -519 | 1 | 4823 | 4322 | 0.73 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 1 | 2-3 | 230.0 | 660.0 | 60.0 | 460.0 | 975 | -66769 | 2579 | 14667 | 5.7 | 5.686 [2-3] |
| 1 | 7-8 | 230.0 | 660.0 | 60.0 | 460.0 | 423 | -66769 | 1120 | 14667 | 13 | 5.686 [2-3] |
| 2 | 2-3 | 230.0 | 286.0 | 60.0 | 460.0 | 423 | -37632 | 1118 | 7357 | 6.6 | 6.582 [2-3] |
| 2 | 7-8 | 230.0 | 286.0 | 60.0 | 460.0 | 183 | -37632 | 485 | 7357 | 15 | 6.582 [2-3] |
| 3 | 2-3 | 230.0 | 107.9 | 60.0 | 460.0 | 159 | -14230 | 422 | 2779 | 6.6 | 6.590 [2-3] |
| 3 | 7-8 | 230.0 | 107.9 | 60.0 | 460.0 | 69 | -14230 | 183 | 2779 | 15 | 6.590 [2-3] |

Muratura 62 - Nodi : [73 - 122 - 194 - 273 - 1274 - 1195 - 1121 - 1072 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.742 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 8: Setto $\zeta_E$=0.742 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 1975.1 | 60.0 | -132062 | -155984 | -145261 | 1 | 114145 | 1073349 | 0.73 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 8 | 2-3 | 230.0 | 1975.1 | 60.0 | 460.0 | 2918 | -155637 | 7719 | 36952 | 4.8 | 4.787 [2-3] |

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 7-8 | 230.0 | 1975.1 | 60.0 | 460.0 | 1267 | -155637 | 3350 | 36952 | 11 | 4.787 [2-3] |

Muratura 25 - Nodi : [259 - 255 - 254 - 279 - 280 - 253 - 252 - 1251 - 1256 - 1257 - 1258 - 1260 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.001 [(2+3)-III-4] : **Verificato**

Verifiche nel piano
Setto 9: Setto $\zeta_E$=1.047 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 600.0 | 60.0 | -54784 | -36700 | 19712 | 1 | 38674 | 124630 | 1.1 |

Setto 10: Setto $\zeta_E$=1.001 [(2+3)-III-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-4 | 2300 | 239.2 | 60.0 | -10764 | -8149 | 1987 | 1 | 8149 | 11340 | 1.0 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 9 | 2-3 | 230.0 | 600.0 | 60.0 | 460.0 | 887 | -55633 | 2345 | 12594 | 5.4 | 5.371 [2-3] |
| 9 | 7-8 | 230.0 | 600.0 | 60.0 | 460.0 | 385 | -55633 | 1018 | 12594 | 12 | 5.371 [2-3] |
| 10 | 2-3 | 230.0 | 239.2 | 60.0 | 460.0 | 353 | -21166 | 935 | 4862 | 5.2 | 5.201 [2-3] |
| 10 | 7-8 | 230.0 | 239.2 | 60.0 | 460.0 | 153 | -21166 | 406 | 4862 | 12 | 5.201 [2-3] |

Muratura 68 - Nodi : [191 - 271 - 494 - 495 - 496 - 497 - 498 - 499 - 500 - 501 - 502 - 503 - 1270 - 1248 - 1215 - 1190 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.512 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 12: Setto $\zeta_E$=0.512 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 275.0 | 60.0 | -24055 | 22405 | -8046 | 1 | 11634 | 25417 | 0.52 |

Setto 13: Setto $\zeta_E$=0.547 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 298.7 | 60.0 | -15291 | -20122 | 10646 | 1 | 10570 | 19742 | 0.53 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 2-3 | 230.0 | 275.0 | 60.0 | 460.0 | 406 | -26222 | 1075 | 5881 | 5.5 | 5.472 [2-3] |
| 12 | 7-8 | 230.0 | 275.0 | 60.0 | 460.0 | 176 | -26222 | 466 | 5881 | 13 | 5.472 [2-3] |
| 13 | 2-3 | 230.0 | 298.7 | 60.0 | 460.0 | 441 | -27257 | 1167 | 6202 | 5.3 | 5.313 [2-3] |
| 13 | 7-8 | 230.0 | 298.7 | 60.0 | 460.0 | 192 | -27257 | 507 | 6202 | 12 | 5.313 [2-3] |

Muratura 22 - Nodi : [194 - 191 - 1190 - 1192 - 1193 - 1195 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.125 [(2+3)-V-2] : **Verificato**

Verifiche nel piano
Setto 16: Setto $\zeta_E$=1.125 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 2300 | 482.5 | 60.0 | -31541 | 24232 | 1568 | 1 | 27676 | 62926 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 16 | 2-3 | 230.0 | 482.5 | 60.0 | 460.0 | 713 | -37770 | 1886 | 8983 | 4.8 | 4.764 [2-3] |
| 16 | 7-8 | 230.0 | 482.5 | 60.0 | 460.0 | 309 | -37770 | 818 | 8983 | 11 | 4.764 [2-3] |

Muratura 67 - Nodi : [267 - 250 - 281 - 282 - 283 - 284 - 285 - 286 - 287 - 288 - 289 - 290 - 291 - 292 - 293 - 198 - 184 - 1183 - 1198 - 1250 - 1266 ] Spess.= 70.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.086 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 17: Setto $\zeta_E$=0.086 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| 1 | 2300 | 95.0 | 70.0 | -32366 | -207 | 6621 | 0 | 6812 | 519 | 0.08 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 17 | 2-3 | 230.0 | 95.0 | 70.0 | 460.0 | 158 | -21789 | 417 | 3658 | 8.8 | 8.761 [2-3] |
| 17 | 7-8 | 230.0 | 95.0 | 70.0 | 460.0 | 69 | -21789 | 181 | 3658 | 20 | 8.761 [2-3] |

Muratura 66 - Nodi : [263 - 217 - 178 - 1178 - 1216 - 1233 - 1240 - 1265 ] Spess.= 70.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.727 [(2+3)-VIII-2] : **Non verificato**

Verifiche nel piano
Setto 20: Setto $\zeta_E$=0.750 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| (2+3)-VIII-2 | 2300 | 290.0 | 70.0 | -26662 | 19018 | -5523 | 1 | 13790 | 30595 | 0.72 |

Setto 21: Setto $\zeta_E$=0.727 [(2+3)-VIII-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 2300 | 282.1 | 70.0 | -45824 | 21706 | -13741 | 1 | 16641 | 40813 | 0.77 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 20 | 2-3 | 230.0 | 290.0 | 70.0 | 460.0 | 482 | -39415 | 1274 | 9541 | 7.5 | 7.487 [2-3] |
| 20 | 7-8 | 230.0 | 290.0 | 70.0 | 460.0 | 209 | -39415 | 553 | 9541 | 17 | 7.487 [2-3] |
| 21 | 2-3 | 230.0 | 282.1 | 70.0 | 460.0 | 469 | -40441 | 1240 | 9550 | 7.7 | 7.704 [2-3] |
| 21 | 7-8 | 230.0 | 282.1 | 70.0 | 460.0 | 203 | -40441 | 538 | 9550 | 18 | 7.704 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 24,25Muratura 8 - Nodi : [54 - 55 - 295 - 296 - 297 - 298 - 299 - 300 - 301 - 302 - 303 - 304 - 305 - 306 - 307 - 56 - 58 - 1057 - 1053 - 294 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 27,30Muratura 9 - Nodi : [58 - 59 - 308 - 309 - 310 - 311 - 312 - 313 - 314 - 315 - 316 - 317 - 318 - 319 - 320 - 65 - 66 - 69 - 321 - 322 - 323 - 324 - 325 - 326 - 327 - 328 - 329 - 330 - 331 - 332 - 333 - 74 - 75 - 77 - 334 - 335 - 336 - 337 - 338 - 339 - 340 - 341 - 342 - 343 - 344 - 345 - 346 - 347 - 84 - 88 - 1087 - 1082 - 1076 - 1067 - 1057 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.250 [(2+3)-I-3] : **Non verificato**

Verifiche nel piano
Setto 28: Setto $\zeta_E$=1.359 [(2+3)-III-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-2 | 2300 | 85.0 | 60.0 | -9929 | -2775 | 1265 | 1 | 4009 | 2915 | 1.4 |

Setto 29: Setto $\zeta_E$=1.250 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-2 | 2300 | 120.0 | 60.0 | -15153 | -4640 | 1279 | 1 | 5835 | 6053 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 28 | 2-3 | 230.0 | 85.0 | 60.0 | 460.0 | 126 | -13247 | 332 | 2335 | 7.0 | 7.028 [2-3] |
| 28 | 7-8 | 230.0 | 85.0 | 60.0 | 460.0 | 55 | -13247 | 144 | 2335 | 16 | 7.028 [2-3] |
| 29 | 2-3 | 230.0 | 120.0 | 60.0 | 460.0 | 177 | -16305 | 469 | 3132 | 6.7 | 6.679 [2-3] |
| 29 | 7-8 | 230.0 | 120.0 | 60.0 | 460.0 | 77 | -16305 | 204 | 3132 | 15 | 6.679 [2-3] |

Muratura 7 - Nodi : [73 - 70 - 62 - 52 - 49 - 46 - 41 - 1040 - 1042 - 1043 - 1046 - 1047 - 1048 - 1050 - 1051 - 1060 - 1061 - 1063 - 1064 - 1068 - 1071 - 1072 ] Spess.= 70.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.766 [(2+3)-I-3] : **Non verificato**

Verifiche nel piano

Setto 34: Setto $\zeta_E$=0.828 [(2+3)-III-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-2 | 2300 | 180.0 | 70.0 | -15408 | 10242 | 395 | 1 | 8349 | 11174 | 0.81 |

Setto 35: Setto $\zeta_E$=0.766 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 2300 | 150.0 | 70.0 | -28668 | -12145 | 3410 | 1 | 9458 | 12178 | 0.78 |

Setto 36: Setto $\zeta_E$=0.961 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 395.0 | 70.0 | -43079 | 26734 | -13159 | 1 | 25728 | 64028 | 0.962 |

Setto 37: Setto $\zeta_E$=0.914 [(2+3)-III-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-3 | 2300 | 410.0 | 70.0 | -45952 | -30693 | 18842 | 1 | 28000 | 70246 | 0.91 |

Setto 38: Setto $\zeta_E$=0.867 [(2+3)-III-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-2 | 2300 | 156.9 | 70.0 | -20266 | 9733 | -2127 | 1 | 8456 | 11239 | 0.87 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 34 | 2-3 | 230.0 | 180.0 | 70.0 | 460.0 | 299 | -19733 | 791 | 5189 | 6.6 | 6.560 [2-3] |
| 34 | 7-8 | 230.0 | 180.0 | 70.0 | 460.0 | 130 | -19733 | 343 | 5189 | 15 | 6.560 [2-3] |
| 35 | 2-3 | 230.0 | 150.0 | 70.0 | 460.0 | 249 | -25693 | 659 | 5498 | 8.3 | 8.340 [2-3] |
| 35 | 7-8 | 230.0 | 150.0 | 70.0 | 460.0 | 108 | -25693 | 286 | 5498 | 19 | 8.340 [2-3] |
| 36 | 2-3 | 230.0 | 395.0 | 70.0 | 460.0 | 656 | -49665 | 1736 | 12424 | 7.2 | 7.157 [2-3] |
| 36 | 7-8 | 230.0 | 395.0 | 70.0 | 460.0 | 285 | -49665 | 753 | 12424 | 16 | 7.157 [2-3] |
| 37 | 2-3 | 230.0 | 410.0 | 70.0 | 460.0 | 681 | -48297 | 1802 | 12386 | 6.9 | 6.874 [2-3] |

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 7-8 | 230.0 | 410.0 | 70.0 | 460.0 | 296 | -48297 | 782 | 12386 | 16 | 6.874 [2-3] |
| 38 | 2-3 | 230.0 | 156.9 | 70.0 | 460.0 | 261 | -19224 | 689 | 4858 | 7.0 | 7.046 [2-3] |
| 38 | 7-8 | 230.0 | 156.9 | 70.0 | 460.0 | 113 | -19224 | 299 | 4858 | 16 | 7.046 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 48Muratura 50 - Nodi : [8 - 28 - 41 - 58 - 1057 - 1040 - 1029 - 1007 ] Spess.= 65.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.078 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 47: Setto $\zeta_E$=1.078 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 635.0 | 65.0 | -52844 | 38346 | 23091 | 1 | 41684 | 133663 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 47 | 2-3 | 230.0 | 635.0 | 65.0 | 460.0 | 997 | -58784 | 2636 | 14783 | 5.6 | 5.609 [2-3] |
| 47 | 7-8 | 230.0 | 635.0 | 65.0 | 460.0 | 433 | -58784 | 1144 | 14783 | 13 | 5.609 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 52Muratura 51 - Nodi : [10 - 46 - 66 - 1067 - 1046 - 1009 ] Spess.= 70.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.016 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 51: Setto $\zeta_E$=1.016 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 620.0 | 70.0 | -47486 | 40888 | 18295 | 1 | 41549 | 121625 | 1.0 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 51 | 2-3 | 230.0 | 620.0 | 70.0 | 460.0 | 1030 | -54085 | 2725 | 15183 | 5.6 | 5.573 [2-3] |
| 51 | 7-8 | 230.0 | 620.0 | 70.0 | 460.0 | 447 | -54085 | 1183 | 15183 | 13 | 5.573 [2-3] |

Muratura 1 - Nodi : [1 - 3 - 5 - 8 - 1007 - 1006 - 1004 - 1012 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.457 [(2+3)-I-3] : **Non verificato**

Verifiche nel piano
Setto 55: Setto $\zeta_E$=0.898 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 780.0 | 60.0 | -63209 | -54209 | -4009 | 1 | 48161 | 193636 | 0.89 |

Setto 56: Setto $\zeta_E$=0.531 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 2300 | 105.0 | 60.0 | -15236 | 9919 | -5414 | 1 | 5399 | 4926 | 0.54 |

Setto 57: Setto $\zeta_E$=0.457 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 81.4 | 60.0 | -4268 | -8047 | -362 | 1 | 2902 | 1496 | 0.36 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 55 | 2-3 | 230.0 | 780.0 | 60.0 | 460.0 | 1153 | -76718 | 3048 | 17023 | 5.6 | 5.584 [2-3] |
| 55 | 7-8 | 230.0 | 780.0 | 60.0 | 460.0 | 500 | -76718 | 1323 | 17023 | 13 | 5.584 [2-3] |
| 56 | 2-3 | 230.0 | 105.0 | 60.0 | 460.0 | 155 | -15880 | 410 | 2857 | 7.0 | 6.962 [2-3] |
| 56 | 7-8 | 230.0 | 105.0 | 60.0 | 460.0 | 67 | -15880 | 178 | 2857 | 16 | 6.962 [2-3] |
| 57 | 2-3 | 230.0 | 81.4 | 60.0 | 460.0 | 120 | -11629 | 318 | 2169 | 6.8 | 6.819 [2-3] |
| 57 | 7-8 | 230.0 | 81.4 | 60.0 | 460.0 | 52 | -11629 | 138 | 2169 | 16 | 6.819 [2-3] |

Muratura 2 - Nodi : [8 - 10 - 14 - 18 - 1017 - 1013 - 1009 - 1007 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.652 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano
Setto 62: Setto $\zeta_E$=0.652 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 350.0 | 60.0 | -28714 | -26364 | 5459 | 1 | 16515 | 39337 | 0.63 |

Setto 63: Setto $\zeta_E$=0.859 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 405.0 | 60.0 | -41338 | -27830 | -2403 | 1 | 23955 | 61092 | 0.86 |

Setto 64: Setto $\zeta_E$=0.766 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-3 | 2300 | 511.7 | 60.0 | -43014 | 41297 | -86 | 1 | 32009 | 85563 | 0.78 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 62 | 2-3 | 230.0 | 350.0 | 60.0 | 460.0 | 517 | -34595 | 1368 | 7663 | 5.6 | 5.602 [2-3] |
| 62 | 7-8 | 230.0 | 350.0 | 60.0 | 460.0 | 224 | -34595 | 594 | 7663 | 13 | 5.602 [2-3] |
| 63 | 2-3 | 230.0 | 405.0 | 60.0 | 460.0 | 598 | -43915 | 1583 | 9393 | 5.9 | 5.934 [2-3] |
| 63 | 7-8 | 230.0 | 405.0 | 60.0 | 460.0 | 260 | -43915 | 687 | 9393 | 14 | 5.934 [2-3] |
| 64 | 2-3 | 230.0 | 511.7 | 60.0 | 460.0 | 756 | -48257 | 2000 | 10863 | 5.4 | 5.432 [2-3] |
| 64 | 7-8 | 230.0 | 511.7 | 60.0 | 460.0 | 328 | -48257 | 868 | 10863 | 13 | 5.432 [2-3] |

Muratura 4 - Nodi : [18 - 19 - 348 - 349 - 26 - 31 - 1032 - 1017 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.898 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 69: Setto $\zeta_E$=0.898 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 80.0 | 60.0 | -4173 | 3304 | -535 | 1 | 2847 | 1439 | 0.86 |

Setto 70: Setto $\zeta_E$=0.938 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 79.1 | 60.0 | -10887 | 4216 | -614 | 1 | 3981 | 2737 | 0.94 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 69 | 2-3 | 230.0 | 80.0 | 60.0 | 460.0 | 118 | -12466 | 313 | 2197 | 7.0 | 7.028 [2-3] |
| 69 | 7-8 | 230.0 | 80.0 | 60.0 | 460.0 | 51 | -12466 | 136 | 2197 | 16 | 7.028 [2-3] |
| 70 | 2-3 | 230.0 | 79.1 | 60.0 | 460.0 | 117 | -12036 | 309 | 2156 | 7.0 | 6.976 [2-3] |
| 70 | 7-8 | 230.0 | 79.1 | 60.0 | 460.0 | 51 | -12036 | 134 | 2156 | 16 | 6.976 [2-3] |

Muratura 55 - Nodi : [31 - 70 - 1071 - 1032 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.711 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 72: Setto $\zeta_E$=0.711 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 392.2 | 60.0 | -21982 | 26499 | 2293 | 1 | 18252 | 36711 | 0.69 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 72 | 2-3 | 230.0 | 392.2 | 60.0 | 460.0 | 580 | -31279 | 1533 | 7403 | 4.8 | 4.830 [2-3] |
| 72 | 7-8 | 230.0 | 392.2 | 60.0 | 460.0 | 252 | -31279 | 665 | 7403 | 11 | 4.830 [2-3] |

Muratura 52 - Nodi : [14 - 52 - 1051 - 1013 ] Spess.= 65.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.512 [(2+3)-VIII-4] : **Non verificato**

Verifiche nel piano
Setto 73: Setto $\zeta_E$=0.512 [(2+3)-VIII-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-4 | 2300 | 100.0 | 65.0 | -11409 | -10606 | 917 | 1 | 4910 | 4114 | 0.46 |

Setto 74: Setto $\zeta_E$=0.547 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 364.9 | 65.0 | -26381 | -30740 | -2448 | 1 | 18111 | 39629 | 0.59 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 73 | 2-3 | 230.0 | 100.0 | 65.0 | 460.0 | 157 | -10530 | 415 | 2542 | 6.1 | 6.123 [2-3] |
| 73 | 7-8 | 230.0 | 100.0 | 65.0 | 460.0 | 68 | -10530 | 180 | 2542 | 14 | 6.123 [2-3] |
| 74 | 2-3 | 230.0 | 364.9 | 65.0 | 460.0 | 573 | -22498 | 1515 | 6210 | 4.1 | 4.100 [2-3] |
| 74 | 7-8 | 230.0 | 364.9 | 65.0 | 460.0 | 249 | -22498 | 657 | 6210 | 9.4 | 4.100 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 77,78Muratura 56 - Nodi : [49 - 75 - 1076 - 1050 ] Spess.= 100.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i settiMuratura 53 - Nodi : [1 - 35 - 86 - 1085 - 1034 - 1012 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.094 [(2+3)-IV-3] : **Verificato**

Verifiche nel piano
Setto 81: Setto $\zeta_E$=1.094 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 1072.5 | 60.0 | -111718 | 65584 | 82487 | 1 | 72608 | 433898 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 81 | 2-3 | 230.0 | 1072.5 | 60.0 | 460.0 | 1585 | -130100 | 4192 | 26497 | 6.3 | 6.322 [2-3] |
| 81 | 7-8 | 230.0 | 1072.5 | 60.0 | 460.0 | 688 | -130100 | 1819 | 26497 | 15 | 6.322 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 86Muratura 64 - Nodi : [86 - 119 - 130 - 160 - 213 - 231 - 261 - 1262 - 1243 - 1238 - 1229 - 1212 - 1172 - 1167 - 1161 - 1141 - 1131 - 1127 - 1120 - 1107 - 1102 - 1085 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.539 [(2+3)-VIII-3] : **Non verificato**

Verifiche nel piano
Setto 82: Setto $\zeta_E$=0.961 [(2+3)-IV-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-4 | 2300 | 155.0 | 60.0 | -23217 | -8371 | 5142 | 1 | 8073 | 10859 | 0.964 |

Setto 83: Setto $\zeta_E$=0.945 [(2+3)-IV-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-1 | 2300 | 125.0 | 60.0 | -24225 | 7626 | -4865 | 1 | 7251 | 7374 | 0.95 |

Setto 84: Setto $\zeta_E$=0.930 [(2+3)-VIII-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 2300 | 140.0 | 60.0 | -24687 | -7788 | 9854 | 1 | 7803 | 9215 | 0.94 |

Setto 85: Setto $\zeta_E$=1.001 [(2+3)-II-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-3 | 2300 | 170.0 | 60.0 | -26704 | -9026 | 3459 | 1 | 9029 | 13260 | 1.0 |

Setto 87: Setto $\zeta_E$=1.001 [(2+3)-II-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-4 | 2300 | 250.0 | 60.0 | -43588 | 13866 | -2666 | 1 | 13867 | 29339 | 1.0 |

Setto 88: Setto $\zeta_E$=0.539 [(2+3)-VIII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 163.9 | 60.0 | -20520 | -15041 | -4037 | 1 | 7943 | 11243 | 0.53 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 82 | 2-3 | 230.0 | 155.0 | 60.0 | 460.0 | 229 | -23112 | 606 | 4197 | 6.9 | 6.928 [2-3] |
| 82 | 7-8 | 230.0 | 155.0 | 60.0 | 460.0 | 99 | -23112 | 263 | 4197 | 16 | 6.928 [2-3] |
| 83 | 2-3 | 230.0 | 125.0 | 60.0 | 460.0 | 185 | -24333 | 489 | 3538 | 7.2 | 7.243 [2-3] |
| 83 | 7-8 | 230.0 | 125.0 | 60.0 | 460.0 | 80 | -24333 | 212 | 3538 | 17 | 7.243 [2-3] |
| 84 | 2-3 | 230.0 | 140.0 | 60.0 | 460.0 | 207 | -25400 | 547 | 3960 | 7.2 | 7.238 [2-3] |
| 84 | 7-8 | 230.0 | 140.0 | 60.0 | 460.0 | 90 | -25400 | 237 | 3960 | 17 | 7.238 [2-3] |
| 85 | 2-3 | 230.0 | 170.0 | 60.0 | 460.0 | 251 | -28230 | 664 | 4746 | 7.1 | 7.144 [2-3] |
| 85 | 7-8 | 230.0 | 170.0 | 60.0 | 460.0 | 109 | -28230 | 288 | 4746 | 16 | 7.144 [2-3] |
| 87 | 2-3 | 230.0 | 250.0 | 60.0 | 460.0 | 369 | -40071 | 977 | 6921 | 7.1 | 7.084 [2-3] |
| 87 | 7-8 | 230.0 | 250.0 | 60.0 | 460.0 | 160 | -40071 | 424 | 6921 | 16 | 7.084 [2-3] |
| 88 | 2-3 | 230.0 | 163.9 | 60.0 | 460.0 | 242 | -28995 | 641 | 4625 | 7.2 | 7.221 [2-3] |
| 88 | 7-8 | 230.0 | 163.9 | 60.0 | 460.0 | 105 | -28995 | 278 | 4625 | 17 | 7.221 [2-3] |

Muratura 5 - Nodi : [28 - 23 - 21 - 1020 - 1022 - 1024 - 1025 - 1029 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.602 [(2+3)-III-3] : **Non verificato**

Verifiche nel piano

Setto 101: Setto $\zeta_E$=0.695 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 130.0 | 60.0 | -9289 | 7808 | -2141 | 1 | 5122 | 4896 | 0.66 |

Setto 102: Setto $\zeta_E$=0.602 [(2+3)-III-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-3 | 2300 | 110.0 | 60.0 | -18100 | -9640 | 3997 | 1 | 5956 | 5619 | 0.62 |

Setto 103: Setto $\zeta_E$=0.641 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 2300 | 202.7 | 60.0 | -21237 | -14394 | 4408 | 1 | 9169 | 15555 | 0.64 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 101 | 2-3 | 230.0 | 130.0 | 60.0 | 460.0 | 192 | -14347 | 508 | 3047 | 6.0 | 5.997 [2-3] |
| 101 | 7-8 | 230.0 | 130.0 | 60.0 | 460.0 | 83 | -14347 | 221 | 3047 | 14 | 5.997 [2-3] |
| 102 | 2-3 | 230.0 | 110.0 | 60.0 | 460.0 | 163 | -17250 | 430 | 3027 | 7.0 | 7.041 [2-3] |
| 102 | 7-8 | 230.0 | 110.0 | 60.0 | 460.0 | 71 | -17250 | 187 | 3027 | 16 | 7.041 [2-3] |
| 103 | 2-3 | 230.0 | 202.7 | 60.0 | 460.0 | 300 | -27105 | 792 | 5253 | 6.6 | 6.631 [2-3] |
| 103 | 7-8 | 230.0 | 202.7 | 60.0 | 460.0 | 130 | -27105 | 344 | 5253 | 15 | 6.631 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto

nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 110Muratura 54 - Nodi : [5 - 15 - 21 - 39 - 44 - 481 - 482 - 483 - 484 - 485 - 486 - 487 - 488 - 489 - 490 - 491 - 492 - 493 - 79 - 90 - 1089 - 1080 - 1045 - 1038 - 1033 - 1027 - 1020 - 1016 - 1006 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.141 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 108: Setto $\zeta_E$=1.141 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 465.0 | 60.0 | -42572 | 25784 | 8065 | 1 | 30002 | 74993 | 1.2 |

Setto 109: Setto $\zeta_E$=1.141 [(2+3)-IV-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| 1 | 2300 | 95.0 | 60.0 | -34434 | -508 | 2435 | 0 | 6452 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 108 | 2-3 | 230.0 | 465.0 | 60.0 | 460.0 | 687 | -52587 | 1817 | 11053 | 6.1 | 6.082 [2-3] |
| 108 | 7-8 | 230.0 | 465.0 | 60.0 | 460.0 | 298 | -52587 | 789 | 11053 | 14 | 6.082 [2-3] |
| 109 | 2-3 | 230.0 | 95.0 | 60.0 | 460.0 | 140 | -23983 | 371 | 2387 | 6.4 | 6.429 [2-3] |
| 109 | 7-8 | 230.0 | 95.0 | 60.0 | 460.0 | 61 | -23983 | 161 | 2387 | 15 | 6.429 [2-3] |

Muratura 60 - Nodi : [90 - 112 - 132 - 156 - 175 - 224 - 1223 - 1174 - 1157 - 1133 - 1111 - 1089 ] Spess.= 65.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.711 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 114: Setto $\zeta_E$=0.875 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 120.0 | 65.0 | -29345 | -8930 | 4623 | 1 | 8054 | 7086 | 0.90 |

Setto 115: Setto $\zeta_E$=0.969 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 2300 | 700.0 | 65.0 | -85795 | -54654 | 25098 | 1 | 52988 | 210355 | 0.969 |

Setto 116: Setto $\zeta_E$=0.711 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 283.7 | 65.0 | -27444 | -18509 | 3185 | 1 | 13100 | 29727 | 0.71 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 114 | 2-3 | 230.0 | 120.0 | 65.0 | 460.0 | 188 | -23927 | 498 | 3988 | 8.0 | 8.006 [2-3] |
| 114 | 7-8 | 230.0 | 120.0 | 65.0 | 460.0 | 82 | -23927 | 216 | 3988 | 18 | 8.006 [2-3] |
| 115 | 2-3 | 230.0 | 700.0 | 65.0 | 460.0 | 1099 | -90035 | 2906 | 20065 | 6.9 | 6.906 [2-3] |
| 115 | 7-8 | 230.0 | 700.0 | 65.0 | 460.0 | 477 | -90035 | 1261 | 20065 | 16 | 6.906 [2-3] |
| 116 | 2-3 | 230.0 | 283.7 | 65.0 | 460.0 | 445 | -38969 | 1178 | 8414 | 7.1 | 7.145 [2-3] |
| 116 | 7-8 | 230.0 | 283.7 | 65.0 | 460.0 | 193 | -38969 | 511 | 8414 | 16 | 7.145 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 121Muratura 10 - Nodi : [91 - 90 - 86 - 1085 - 1089 - 1091 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.234 [(2+3)-I-3] : **Non verificato**

Verifiche nel piano
Setto 122: Setto $\zeta_E$=1.234 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 2300 | 635.2 | 60.0 | -78554 | -37841 | -33361 | 1 | 45952 | 167816 | 1.2 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 122 | 2-3 | 230.0 | 635.2 | 60.0 | 460.0 | 939 | -74307 | 2482 | 15389 | 6.2 | 6.199 [2-3] |
| 122 | 7-8 | 230.0 | 635.2 | 60.0 | 460.0 | 407 | -74307 | 1077 | 15389 | 14 | 6.199 [2-3] |

Muratura 11 - Nodi : [86 - 98 - 100 - 1099 - 1097 - 1095 - 1094 - 1093 - 1085 ] Spess.= 70.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.001 [(2+3)-I-3] : **Verificato**

Verifiche nel piano
Setto 125: Setto $\zeta_E$=1.001 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 2300 | 915.0 | 70.0 | -103922 | -70446 | 15916 | 1 | 70456 | 352924 | 1.0 |

Setto 126: Setto $\zeta_E$=1.133 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 2300 | 853.8 | 70.0 | -85658 | -54276 | -58468 | 1 | 62822 | 282436 | 1.2 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 125 | 2-3 | 230.0 | 915.0 | 70.0 | 460.0 | 1520 | -113127 | 4021 | 28488 | 7.1 | 7.085 [2-3] |
| 125 | 7-8 | 230.0 | 915.0 | 70.0 | 460.0 | 660 | -113127 | 1745 | 28488 | 16 | 7.085 [2-3] |
| 126 | 2-3 | 230.0 | 853.8 | 70.0 | 460.0 | 1419 | -102289 | 3752 | 26069 | 6.9 | 6.948 [2-3] |
| 126 | 7-8 | 230.0 | 853.8 | 70.0 | 460.0 | 616 | -102289 | 1628 | 26069 | 16 | 6.948 [2-3] |

Muratura 61 - Nodi : [100 - 105 - 350 - 351 - 125 - 140 - 197 - 235 - 1236 - 1196 - 1139 - 1099 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.340 [(2+3)-VI-1] : **Non verificato**

Verifiche nel piano
Setto 129: Setto $\zeta_E$=0.340 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-1 | 2300 | 120.0 | 60.0 | -22570 | -20126 | 5330 | 1 | 6873 | 6800 | 0.34 |

Setto 130: Setto $\zeta_E$=0.641 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-3 | 2300 | 425.0 | 60.0 | -14245 | -26957 | -4623 | 1 | 18536 | 27584 | 0.69 |

Setto 131: Setto $\zeta_E$=0.504 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 2300 | 358.5 | 60.0 | -10218 | 26381 | 6529 | 1 | 12685 | 16933 | 0.48 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 129 | 2-3 | 230.0 | 120.0 | 60.0 | 460.0 | 177 | -18658 | 469 | 3294 | 7.0 | 7.023 [2-3] |
| 129 | 7-8 | 230.0 | 120.0 | 60.0 | 460.0 | 77 | -18658 | 204 | 3294 | 16 | 7.023 [2-3] |
| 130 | 2-3 | 230.0 | 425.0 | 60.0 | 460.0 | 628 | -34636 | 1661 | 8149 | 4.9 | 4.906 [2-3] |
| 130 | 7-8 | 230.0 | 425.0 | 60.0 | 460.0 | 273 | -34636 | 721 | 8149 | 11 | 4.906 [2-3] |
| 131 | 2-3 | 230.0 | 358.5 | 60.0 | 460.0 | 530 | -13997 | 1401 | 3765 | 2.7 | 2.687 [2-3] |
| 131 | 7-8 | 230.0 | 358.5 | 60.0 | 460.0 | 230 | -13997 | 608 | 3765 | 6.2 | 2.687 [2-3] |

Muratura 70 - Nodi : [235 - 252 - 278 - 1277 - 1251 - 1236 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.813 [(2+3)-VI-1] : **Non verificato**

Verifiche nel piano
Setto 135: Setto $\zeta_E$=0.812 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-1 | 2300 | 1078.5 | 60.0 | -64195 | -73073 | -1803 | 1 | 60002 | 291628 | 0.82 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 135 | 2-3 | 230.0 | 1078.5 | 60.0 | 460.0 | 1594 | -68443 | 4215 | 17084 | 4.1 | 4.053 [2-3] |
| 135 | 7-8 | 230.0 | 1078.5 | 60.0 | 460.0 | 692 | -68443 | 1829 | 17084 | 9.3 | 4.053 [2-3] |

Muratura 27 - Nodi : [278 - 275 - 1276 - 1277 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.188 [(2+3)-V-1] : **Verificato**

Verifiche nel piano
Setto 136: Setto $\zeta_E$=1.188 [(2+3)-V-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-1 | 2300 | 562.8 | 60.0 | -22879 | -22186 | -5654 | 1 | 27949 | 57454 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 136 | 2-3 | 230.0 | 562.8 | 60.0 | 460.0 | 832 | -45308 | 2200 | 10696 | 4.9 | 4.863 [2-3] |
| 136 | 7-8 | 230.0 | 562.8 | 60.0 | 460.0 | 361 | -45308 | 955 | 10696 | 11 | 4.863 [2-3] |

Muratura 71 - Nodi : [275 - 259 - 1260 - 1276 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.141 [(2+3)-IV-2] : **Verificato**

Verifiche nel piano
Setto 137: Setto $\zeta_E$=1.141 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 515.0 | 60.0 | -30184 | 24225 | 17406 | 1 | 28510 | 65665 | 1.2 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 137 | 2-3 | 230.0 | 515.0 | 60.0 | 460.0 | 761 | -44346 | 2013 | 10271 | 5.1 | 5.103 [2-3] |
| 137 | 7-8 | 230.0 | 515.0 | 60.0 | 460.0 | 330 | -44346 | 874 | 10271 | 12 | 5.103 [2-3] |

Muratura 69 - Nodi : [259 - 247 - 352 - 353 - 232 - 204 - 1203 - 1232 - 1247 - 1260 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.180 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 138: Setto $\zeta_E$=1.375 [(2+3)-II-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| 1 | 2300 | 120.0 | 55.0 | -29839 | 105 | 3944 | 0 | 6537 | 1834 | 0.46 |

Setto 139: Setto $\zeta_E$=1.180 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| 1 | 2300 | 119.8 | 55.0 | -29823 | 101 | -4308 | 0 | 6529 | 1812 | 0.42 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 138 | 2-3 | 230.0 | 120.0 | 55.0 | 460.0 | 166 | -19591 | 440 | 2848 | 6.5 | 6.472 [2-3] |
| 138 | 7-8 | 230.0 | 120.0 | 55.0 | 460.0 | 72 | -19591 | 191 | 2848 | 15 | 6.472 [2-3] |
| 139 | 2-3 | 230.0 | 119.8 | 55.0 | 460.0 | 166 | -19418 | 439 | 2841 | 6.5 | 6.467 [2-3] |
| 139 | 7-8 | 230.0 | 119.8 | 55.0 | 460.0 | 72 | -19418 | 191 | 2841 | 15 | 6.467 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 142Muratura 23 - Nodi : [213 - 209 - 354 - 355 - 207 - 204 - 201 - 200 - 356 - 357 - 199 - 197 - 1196 - 1201 - 1203 - 1205 - 1206 - 1208 - 1210 - 1211 - 1212 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.539 [(2+3)-V-2] : **Non verificato**

Verifiche nel piano
Setto 141: Setto $\zeta_E$=0.699 [(2+3)-VII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VII-3 | 2300 | 210.0 | 60.0 | -27280 | -15396 | 10314 | 1 | 10327 | 18794 | 0.67 |

Setto 143: Setto $\zeta_E$=0.805 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 340.0 | 60.0 | -38336 | -22127 | 3702 | 1 | 17537 | 45720 | 0.79 |

Setto 144: Setto $\zeta_E$=0.789 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 285.0 | 60.0 | -25406 | -15863 | 3135 | 1 | 12140 | 27661 | 0.77 |

Setto 145: Setto $\zeta_E$=0.539 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 2300 | 452.5 | 60.0 | -34757 | 45414 | -23402 | 1 | 26971 | 62648 | 0.59 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 141 | 2-3 | 230.0 | 210.0 | 60.0 | 460.0 | 310 | -28072 | 821 | 5442 | 6.6 | 6.630 [2-3] |
| 141 | 7-8 | 230.0 | 210.0 | 60.0 | 460.0 | 135 | -28072 | 356 | 5442 | 15 | 6.630 [2-3] |
| 143 | 2-3 | 230.0 | 340.0 | 60.0 | 460.0 | 502 | -38245 | 1329 | 8057 | 6.1 | 6.064 [2-3] |
| 143 | 7-8 | 230.0 | 340.0 | 60.0 | 460.0 | 218 | -38245 | 577 | 8057 | 14 | 6.064 [2-3] |
| 144 | 2-3 | 230.0 | 285.0 | 60.0 | 460.0 | 421 | -26256 | 1114 | 5956 | 5.3 | 5.347 [2-3] |
| 144 | 7-8 | 230.0 | 285.0 | 60.0 | 460.0 | 183 | -26256 | 483 | 5956 | 12 | 5.347 [2-3] |
| 145 | 2-3 | 230.0 | 452.5 | 60.0 | 460.0 | 669 | -22345 | 1768 | 5827 | 3.3 | 3.295 [2-3] |
| 145 | 7-8 | 230.0 | 452.5 | 60.0 | 460.0 | 290 | -22345 | 768 | 5827 | 7.6 | 3.295 [2-3] |

Muratura 65 - Nodi : [148 - 162 - 358 - 359 - 168 - 201 - 242 - 360 - 361 - 246 - 255 - 1256 - 1245 - 1237 - 1201 - 1147 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.418 [(2+3)-VI-4] : **Non verificato**

Verifiche nel piano

Setto 152: Setto $\zeta_E$=0.602 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 2300 | 220.0 | 55.0 | -9013 | 10919 | -11208 | 1 | 6857 | 8742 | 0.63 |

Setto 153: Setto $\zeta_E$=0.898 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-3 | 2300 | 520.0 | 55.0 | -33932 | 31642 | -9486 | 1 | 28135 | 71600 | 0.89 |

Setto 154: Setto $\zeta_E$=0.418 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 2300 | 127.9 | 55.0 | -24468 | 14970 | -4853 | 1 | 7020 | 7003 | 0.47 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 152 | 2-3 | 230.0 | 220.0 | 55.0 | 460.0 | 305 | -13129 | 807 | 2988 | 3.7 | 3.705 [2-3] |
| 152 | 7-8 | 230.0 | 220.0 | 55.0 | 460.0 | 132 | -13129 | 350 | 2988 | 8.5 | 3.705 [2-3] |
| 153 | 2-3 | 230.0 | 520.0 | 55.0 | 460.0 | 721 | -41852 | 1907 | 8834 | 4.6 | 4.634 [2-3] |
| 153 | 7-8 | 230.0 | 520.0 | 55.0 | 460.0 | 313 | -41852 | 827 | 8834 | 11 | 4.634 [2-3] |
| 154 | 2-3 | 230.0 | 127.9 | 55.0 | 460.0 | 177 | -16041 | 469 | 2814 | 6.0 | 6.000 [2-3] |
| 154 | 7-8 | 230.0 | 127.9 | 55.0 | 460.0 | 77 | -16041 | 204 | 2814 | 14 | 6.000 [2-3] |

Muratura 17 - Nodi : [140 - 146 - 148 - 1147 - 1145 - 1144 - 1143 - 1139 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.453 [(2+3)-VII-2] : **Verificato**

Verifiche nel piano
Setto 157: Setto $\zeta_E$=1.453 [(2+3)-VII-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VII-2 | 2300 | 598.9 | 55.0 | -42985 | -22396 | -10072 | 1 | 33489 | 102040 | 1.5 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 157 | 2-3 | 230.0 | 598.9 | 55.0 | 460.0 | 830 | -47672 | 2196 | 10096 | 4.6 | 4.598 [2-3] |
| 157 | 7-8 | 230.0 | 598.9 | 55.0 | 460.0 | 360 | -47672 | 953 | 10096 | 11 | 4.598 [2-3] |

Muratura 58 - Nodi : [98 - 104 - 362 - 363 - 364 - 365 - 366 - 367 - 368 - 369 - 370 - 371 - 372 - 373 - 374 - 136 - 146 - 1145 - 1097 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.367 [(2+3)-VI-4] : **Non verificato**

Verifiche nel piano
Setto 158: Setto $\zeta_E$=0.633 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 2300 | 135.0 | 55.0 | -16836 | 9351 | -1555 | 1 | 6199 | 7272 | 0.66 |

Setto 159: Setto $\zeta_E$=0.367 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| 1 | 2300 | 82.0 | 55.0 | -22651 | 1830 | -2723 | 0 | 4687 | 27 | 0.01 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 158 | 2-3 | 230.0 | 135.0 | 55.0 | 460.0 | 187 | -22247 | 495 | 3207 | 6.5 | 6.478 [2-3] |
| 158 | 7-8 | 230.0 | 135.0 | 55.0 | 460.0 | 81 | -22247 | 215 | 3207 | 15 | 6.478 [2-3] |
| 159 | 2-3 | 230.0 | 82.0 | 55.0 | 460.0 | 114 | -15504 | 301 | 1936 | 6.4 | 6.439 [2-3] |
| 159 | 7-8 | 230.0 | 82.0 | 55.0 | 460.0 | 49 | -15504 | 130 | 1936 | 15 | 6.439 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 161Muratura 24 - Nodi : [217 - 224 - 231 - 1229 - 1228 - 1226 - 1223 - 1222 - 1219 - 1216 ] Spess.= 100.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.773 [(2+3)-V-3] : **Non verificato**

Verifiche nel piano
Setto 162: Setto $\zeta_E$=0.812 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm | kg | kg*m | |

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | q | | | |
| (2+3)-V-2 | 2300 | 270.0 | 100.0 | -42932 | 25183 | -11351 | 1 | 19652 | 43321 | 0.78 |

Setto 163: Setto $\zeta_E$=0.773 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-VII-4 | 2300 | 296.9 | 100.0 | -28042 | -25182 | 14950 | 1 | 18069 | 35384 | 0.72 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 162 | 2-3 | 230.0 | 270.0 | 100.0 | 460.0 | 599 | -52472 | 1584 | 18138 | 11 | 11.451 [2-3] |
| 162 | 7-8 | 230.0 | 270.0 | 100.0 | 460.0 | 260 | -52472 | 687 | 18138 | 26 | 11.451 [2-3] |
| 163 | 2-3 | 230.0 | 296.9 | 100.0 | 460.0 | 659 | -47904 | 1742 | 17814 | 10 | 10.228 [2-3] |
| 163 | 7-8 | 230.0 | 296.9 | 100.0 | 460.0 | 286 | -47904 | 756 | 17814 | 24 | 10.228 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 168,171Muratura 57 - Nodi : [23 - 30 - 375 - 294 - 376 - 78 - 91 - 128 - 138 - 377 - 378 - 379 - 380 - 381 - 382 - 383 - 384 - 385 - 386 - 387 - 388 - 389 - 170 - 176 - 1176 - 1129 - 1091 - 1053 - 1024 ] Spess.= 65.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.001 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 169: Setto $\zeta_E$=1.031 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| 1 | 2300 | 106.7 | 65.0 | -31792 | 774 | -1609 | 0 | 6912 | 1526 | 0.95 |

Setto 170: Setto $\zeta_E$=1.001 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-VIII-2 | 2300 | 138.2 | 65.0 | -22721 | -7838 | 2881 | 1 | 7840 | 9393 | 1.0 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 169 | 2-3 | 230.0 | 106.7 | 65.0 | 460.0 | 167 | -22107 | 443 | 3547 | 8.0 | 8.010 [2-3] |
| 169 | 7-8 | 230.0 | 106.7 | 65.0 | 460.0 | 73 | -22107 | 192 | 3547 | 18 | 8.010 [2-3] |
| 170 | 2-3 | 230.0 | 138.2 | 65.0 | 460.0 | 217 | -20870 | 574 | 4280 | 7.5 | 7.461 [2-3] |
| 170 | 7-8 | 230.0 | 138.2 | 65.0 | 460.0 | 94 | -20870 | 249 | 4280 | 17 | 7.461 [2-3] |

Muratura 13 - Nodi : [119 - 112 - 1111 - 1116 - 1118 - 1120 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.531 [(2+3)-V-3] : **Verificato**

Verifiche nel piano
Setto 176: Setto $\zeta_E$=1.531 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 624.2 | 60.0 | -63995 | 27476 | 5798 | 1 | 42005 | 145526 | 1.5 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 176 | 2-3 | 230.0 | 624.2 | 60.0 | 460.0 | 922 | -63640 | 2439 | 13939 | 5.7 | 5.714 [2-3] |
| 176 | 7-8 | 230.0 | 624.2 | 60.0 | 460.0 | 400 | -63640 | 1059 | 13939 | 13 | 5.714 [2-3] |

Muratura 19 - Nodi : [160 - 156 - 1157 - 1158 - 1159 - 1161 ] Spess.= 85.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.344 [(2+3)-V-2] : **Verificato**

Verifiche nel piano
Setto 177: Setto $\zeta_E$=1.344 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 2300 | 643.8 | 85.0 | -71259 | -41410 | -4981 | 1 | 55594 | 181943 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 177 | 2-3 | 230.0 | 643.8 | 85.0 | 460.0 | 1248 | -71420 | 3302 | 24062 | 7.3 | 7.287 [2-3] |
| 177 | 7-8 | 230.0 | 643.8 | 85.0 | 460.0 | 542 | -71420 | 1433 | 24062 | 17 | 7.287 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 178,179Muratura 15 - Nodi : [132 - 128 - 1129 - 1133 ] Spess.= 110.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i settiMuratura 16 - Nodi : [130 - 134 - 1135 - 1131 ] Spess.= 75.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=2.375 [(2+3)-V-3] : **Verificato**

Verifiche nel piano
Setto 182: Setto $\zeta_E$=2.375 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| (2+3)-V-3 | 2300 | 198.8 | 75.0 | -12640 | -2598 | -1910 | 1 | 8777 | 10872 | 3.4 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 182 | 2-3 | 230.0 | 198.8 | 75.0 | 460.0 | 349 | -19652 | 922 | 5827 | 6.3 | 6.319 [2-3] |
| 182 | 7-8 | 230.0 | 198.8 | 75.0 | 460.0 | 151 | -19652 | 400 | 5827 | 15 | 6.319 [2-3] |

Muratura 20 - Nodi : [160 - 163 - 1164 - 1161 ] Spess.= 75.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.695 [(2+3)-V-3] : **Verificato**

Verifiche nel piano
Setto 183: Setto $\zeta_E$=1.695 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 198.6 | 75.0 | -9862 | -3615 | -2560 | 1 | 8167 | 8763 | 2.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 183 | 2-3 | 230.0 | 198.6 | 75.0 | 460.0 | 348 | -18702 | 921 | 5615 | 6.1 | 6.095 [2-3] |
| 183 | 7-8 | 230.0 | 198.6 | 75.0 | 460.0 | 151 | -18702 | 400 | 5615 | 14 | 6.095 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 184Muratura 63 - Nodi : [81 - 83 - 390 - 391 - 392 - 393 - 394 - 395 - 396 - 397 - 398 - 399 - 400 - 401 - 402 - 108 - 109 - 123 - 403 - 404 - 405 - 406 - 407 - 408 - 409 - 410 - 411 - 412 - 413 - 414 - 415 - 149 - 150 - 155 - 416 - 417 - 418 - 419 - 420 - 421 - 422 - 423 - 424 - 425 - 426 - 427 - 428 - 173 - 189 - 269 - 1268 - 1249 - 1214 - 1189 - 1150 - 1109 - 1082 - 341 ] Spess.= 65.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.477 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 185: Setto $\zeta_E$=0.609 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 90.0 | 65.0 | -14093 | -8202 | 895 | 1 | 5005 | 3915 | 0.61 |

Setto 186: Setto $\zeta_E$=0.477 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 110.0 | 65.0 | -17529 | -12362 | 2608 | 1 | 6161 | 5887 | 0.50 |

Setto 187: Setto $\zeta_E$=0.812 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-IV-3 | 2300 | 305.0 | 65.0 | -28778 | 17123 | -17404 | 1 | 13957 | 33769 | 0.81 |

Setto 188: Setto $\zeta_E$=0.680 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 288.8 | 65.0 | -15167 | -15806 | 14037 | 1 | 10892 | 19091 | 0.69 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 185 | 2-3 | 230.0 | 90.0 | 65.0 | 460.0 | 141 | -13095 | 374 | 2743 | 7.3 | 7.342 [2-3] |
| 185 | 7-8 | 230.0 | 90.0 | 65.0 | 460.0 | 61 | -13095 | 162 | 2743 | 17 | 7.342 [2-3] |
| 186 | 2-3 | 230.0 | 110.0 | 65.0 | 460.0 | 173 | -16084 | 457 | 3360 | 7.4 | 7.358 [2-3] |
| 186 | 7-8 | 230.0 | 110.0 | 65.0 | 460.0 | 75 | -16084 | 198 | 3360 | 17 | 7.358 [2-3] |
| 187 | 2-3 | 230.0 | 305.0 | 65.0 | 460.0 | 479 | -31459 | 1266 | 7647 | 6.0 | 6.040 [2-3] |
| 187 | 7-8 | 230.0 | 305.0 | 65.0 | 460.0 | 208 | -31459 | 549 | 7647 | 14 | 6.040 [2-3] |
| 188 | 2-3 | 230.0 | 288.8 | 65.0 | 460.0 | 453 | -25769 | 1199 | 6549 | 5.5 | 5.463 [2-3] |
| 188 | 7-8 | 230.0 | 288.8 | 65.0 | 460.0 | 197 | -25769 | 520 | 6549 | 13 | 5.463 [2-3] |

Muratura 6 - Nodi : [35 - 37 - 39 - 1038 - 1036 - 1034 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.281 [(2+3)-I-3] : **Verificato**

Verifiche nel piano
Setto 194: Setto $\zeta_E$=1.281 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-I-3 | 2300 | 613.0 | 60.0 | -70589 | 34207 | 17616 | 1 | 43126 | 150407 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 194 | 2-3 | 230.0 | 613.0 | 60.0 | 460.0 | 906 | -70757 | 2396 | 14741 | 6.2 | 6.153 [2-3] |
| 194 | 7-8 | 230.0 | 613.0 | 60.0 | 460.0 | 393 | -70757 | 1040 | 14741 | 14 | 6.153 [2-3] |

Muratura 3 - Nodi : [12 - 15 - 1016 - 1011 ] Spess.= 30.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.688 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano
Setto 195: Setto $\zeta_E$=0.688 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-I-2 | 2300 | 235.7 | 30.0 | -10502 | -6890 | 900 | 1 | 5019 | 9457 | 0.73 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 195 | 2-3 | 230.0 | 235.7 | 30.0 | 460.0 | 221 | -11564 | 585 | 1284 | 2.2 | 2.195 [2-3] |
| 195 | 7-8 | 230.0 | 235.7 | 30.0 | 460.0 | 96 | -11564 | 254 | 1284 | 5.1 | 2.195 [2-3] |

Muratura 49 - Nodi : [3 - 12 - 37 - 1036 - 1011 - 1004 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.156 [(2+3)-IV-2] : **Verificato**

Verifiche nel piano
Setto 196: Setto $\zeta_E$=1.156 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-IV-2 | 2300 | 620.4 | 60.0 | -48499 | -32922 | -2438 | 1 | 37824 | 119312 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 196 | 2-3 | 230.0 | 620.4 | 60.0 | 460.0 | 917 | -43740 | 2425 | 10673 | 4.4 | 4.402 [2-3] |
| 196 | 7-8 | 230.0 | 620.4 | 60.0 | 460.0 | 398 | -43740 | 1052 | 10673 | 10 | 4.402 [2-3] |

Muratura 44 - Nodi : [1260 - 1258 - 1279 - 1280 - 1257 - 1256 - 1251 - 2251 - 2256 - 2260 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.735 [(2+3)-V-4] : **Non verificato**

Verifiche nel piano
Setto 197: Setto $\zeta_E$=1.001 [(2+3)-VII-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-VII-1 | 6900 | 95.0 | 50.0 | -2942 | 2558 | -799 | 1 | 2558 | 1260 | 1.0 |

Setto 198: Setto $\zeta_E$=0.961 [(2+3)-V-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-4 | 6900 | 440.0 | 50.0 | -16061 | -18552 | 6734 | 1 | 17784 | 31237 | 0.96 |

Setto 199: Setto $\zeta_E$=0.735 [(2+3)-V-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-3 | 6900 | 184.2 | 50.0 | 37 | -1612 | 937 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 197 | 2-3 | 690.0 | 95.0 | 50.0 | 460.0 | 172 | -5346 | 454 | 1098 | 2.4 | 2.419 [2-3] |
| 197 | 7-8 | 690.0 | 95.0 | 50.0 | 460.0 | 74 | -5346 | 197 | 1098 | 5.6 | 2.419 [2-3] |
| 198 | 2-3 | 690.0 | 440.0 | 50.0 | 460.0 | 795 | -17574 | 2102 | 3836 | 1.8 | 1.825 [2-3] |
| 198 | 7-8 | 690.0 | 440.0 | 50.0 | 460.0 | 345 | -17574 | 912 | 3836 | 4.2 | 1.825 [2-3] |
| 199 | 2-3 | 690.0 | 184.2 | 50.0 | 460.0 | 333 | -6811 | 880 | 1503 | 1.7 | 1.708 [2-3] |
| 199 | 7-8 | 690.0 | 184.2 | 50.0 | 460.0 | 144 | -6811 | 382 | 1503 | 3.9 | 1.708 [2-3] |

Muratura 81 - Nodi : [1063 - 1087 - 1096 - 1355 - 1356 - 1103 - 1114 - 1124 - 1357 - 1358 - 1137 - 1154 - 1165 - 1359 - 1360 - 1169 - 1190 - 1372 - 2190 - 2114 - 2063 - 1370 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.383 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano

Setto 203: Setto $\zeta_E$=0.414 [(2+3)-IV-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-4 | 6900 | 220.0 | 55.0 | -16909 | -19566 | 5944 | 1 | 8403 | 14472 | 0.43 |

Setto 204: Setto $\zeta_E$=0.578 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 295.0 | 55.0 | -12465 | 17056 | -20583 | 1 | 9276 | 16142 | 0.54 |

Setto 205: Setto $\zeta_E$=0.539 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 305.0 | 55.0 | -18443 | -19297 | 30431 | 1 | 10723 | 23214 | 0.56 |

Setto 206: Setto $\zeta_E$=0.383 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-1 | 6900 | 106.9 | 55.0 | 292 | 24 | 1125 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 203 | 2-3 | 690.0 | 220.0 | 55.0 | 460.0 | 426 | -12467 | 1127 | 2867 | 2.5 | 2.545 [2-3] |
| 203 | 7-8 | 690.0 | 220.0 | 55.0 | 460.0 | 185 | -12467 | 489 | 2867 | 5.9 | 2.545 [2-3] |
| 204 | 2-3 | 690.0 | 295.0 | 55.0 | 460.0 | 571 | -18354 | 1511 | 4140 | 2.7 | 2.741 [2-3] |
| 204 | 7-8 | 690.0 | 295.0 | 55.0 | 460.0 | 248 | -18354 | 656 | 4140 | 6.3 | 2.741 [2-3] |
| 205 | 2-3 | 690.0 | 305.0 | 55.0 | 460.0 | 590 | -18368 | 1562 | 4173 | 2.7 | 2.672 [2-3] |
| 205 | 7-8 | 690.0 | 305.0 | 55.0 | 460.0 | 256 | -18368 | 678 | 4173 | 6.2 | 2.672 [2-3] |
| 206 | 2-3 | 690.0 | 106.9 | 55.0 | 460.0 | 207 | -6084 | 547 | 1398 | 2.6 | 2.554 [2-3] |
| 206 | 7-8 | 690.0 | 106.9 | 55.0 | 460.0 | 90 | -6084 | 238 | 1398 | 5.9 | 2.554 [2-3] |

Muratura 82 - Nodi : [1089 - 1111 - 1133 - 1157 - 1174 - 1223 - 1380 - 2223 - 2157 - 2111 - 2089 - 1377 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq]

fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.504 [(2+3)-VIII-3] : **Non verificato**

Verifiche nel piano
Setto 210: Setto $\zeta_E$=0.836 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 125.0 | 50.0 | -20731 | -7188 | 2580 | 1 | 6112 | 6131 | 0.85 |

Setto 211: Setto $\zeta_E$=0.656 [(2+3)-VIII-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 6900 | 305.0 | 50.0 | -26233 | -17888 | 10901 | 1 | 11432 | 29076 | 0.64 |

Setto 212: Setto $\zeta_E$=0.820 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 6900 | 412.4 | 50.0 | -34522 | -25001 | -1941 | 1 | 20575 | 52256 | 0.82 |

Setto 213: Setto $\zeta_E$=0.504 [(2+3)-VIII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 181.3 | 50.0 | -28271 | 16410 | -6695 | 1 | 8634 | 12933 | 0.53 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 210 | 2-3 | 690.0 | 125.0 | 50.0 | 460.0 | 226 | -16046 | 597 | 2376 | 4.0 | 3.979 [2-3] |
| 210 | 7-8 | 690.0 | 125.0 | 50.0 | 460.0 | 98 | -16046 | 259 | 2376 | 9.2 | 3.979 [2-3] |
| 211 | 2-3 | 690.0 | 305.0 | 50.0 | 460.0 | 551 | -29664 | 1457 | 5125 | 3.5 | 3.518 [2-3] |
| 211 | 7-8 | 690.0 | 305.0 | 50.0 | 460.0 | 239 | -29664 | 632 | 5125 | 8.1 | 3.518 [2-3] |
| 212 | 2-3 | 690.0 | 412.4 | 50.0 | 460.0 | 745 | -37018 | 1970 | 6616 | 3.4 | 3.359 [2-3] |
| 212 | 7-8 | 690.0 | 412.4 | 50.0 | 460.0 | 323 | -37018 | 855 | 6616 | 7.7 | 3.359 [2-3] |
| 213 | 2-3 | 690.0 | 181.3 | 50.0 | 460.0 | 327 | -19465 | 866 | 3207 | 3.7 | 3.703 [2-3] |
| 213 | 7-8 | 690.0 | 181.3 | 50.0 | 460.0 | 142 | -19465 | 376 | 3207 | 8.5 | 3.703 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 220Muratura 31 - Nodi : [1029 - 1025 - 1281 - 1282 - 1022 - 1020 - 1376 - 2020 - 2029 - 1383 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.453 [(2+3)-III-1] : **Non verificato**

Verifiche nel piano
Setto 221: Setto $\zeta_E$=0.672 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm | kg | kg*m | |

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | q | | | |
| (2+3)-I-2 | 6900 | 330.0 | 50.0 | -9932 | 13893 | -2866 | 1 | 9492 | 14821 | 0.68 |

Setto 222: Setto $\zeta_E$=0.453 [(2+3)-III-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-III-1 | 6900 | 62.7 | 50.0 | -6475 | 5630 | -1095 | 1 | 2522 | 1364 | 0.45 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 221 | 2-3 | 690.0 | 330.0 | 50.0 | 460.0 | 596 | -12232 | 1576 | 2698 | 1.7 | 1.712 [2-3] |
| 221 | 7-8 | 690.0 | 330.0 | 50.0 | 460.0 | 259 | -12232 | 684 | 2698 | 3.9 | 1.712 [2-3] |
| 222 | 2-3 | 690.0 | 62.7 | 50.0 | 460.0 | 113 | -5413 | 299 | 982 | 3.3 | 3.279 [2-3] |
| 222 | 7-8 | 690.0 | 62.7 | 50.0 | 460.0 | 49 | -5413 | 130 | 982 | 7.6 | 3.279 [2-3] |

Muratura 90 - Nodi : [1260 - 1247 - 1283 - 1284 - 1232 - 1203 - 2203 - 2260 ] Spess.= 45.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.844 [(2+3)-II-4] : **Non verificato**

Verifiche nel piano
Setto 226: Setto $\zeta_E$=0.844 [(2+3)-II-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-II-4 | 6900 | 120.0 | 45.0 | -10125 | -4714 | 2433 | 1 | 4183 | 4266 | 0.89 |

Setto 227: Setto $\zeta_E$=0.953 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 119.8 | 45.0 | -3111 | -3097 | 184 | 1 | 2851 | 1693 | 0.92 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 226 | 2-3 | 690.0 | 120.0 | 45.0 | 460.0 | 201 | -7880 | 532 | 1362 | 2.6 | 2.560 [2-3] |
| 226 | 7-8 | 690.0 | 120.0 | 45.0 | 460.0 | 87 | -7880 | 231 | 1362 | 5.9 | 2.560 [2-3] |
| 227 | 2-3 | 690.0 | 119.8 | 45.0 | 460.0 | 201 | -8353 | 531 | 1417 | 2.7 | 2.668 [2-3] |
| 227 | 7-8 | 690.0 | 119.8 | 45.0 | 460.0 | 87 | -8353 | 231 | 1417 | 6.1 | 2.668 [2-3] |

Muratura 46 - Nodi : [1277 - 1276 - 2276 - 2277 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.120 [(2+3)-VI-1] : **Verificato**

Verifiche nel piano
Setto 229: Setto $\zeta_E$=1.120 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-1 | 6900 | 562.8 | 50.0 | -6977 | -14671 | -1281 | 1 | 18801 | 18860 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 229 | 2-3 | 690.0 | 562.8 | 50.0 | 460.0 | 1016 | -13872 | 2688 | 3196 | 1.2 | 1.189 [2-3] |
| 229 | 7-8 | 690.0 | 562.8 | 50.0 | 460.0 | 441 | -13872 | 1167 | 3196 | 2.7 | 1.189 [2-3] |

Muratura 38 - Nodi : [1139 - 1143 - 1285 - 1286 - 1144 - 1145 - 1147 - 2147 - 2145 - 2139 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.344 [(2+3)-VI-4] : **Non verificato**

Verifiche nel piano

Setto 230: Setto $\zeta_E$=0.344 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-II-2 | 6900 | 400.0 | 50.0 | 5866 | 26272 | -7796 | 0 | 0 | 0 | 0.00 |

Setto 231: Setto $\zeta_E$=0.395 [(2+3)-V-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 108.9 | 50.0 | -6688 | -8722 | 1509 | 1 | 3614 | 2931 | 0.41 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 230 | 2-3 | 690.0 | 400.0 | 50.0 | 460.0 | 722 | -10398 | 1911 | 2385 | 1.2 | 1.248 [2-3] |
| 230 | 7-8 | 690.0 | 400.0 | 50.0 | 460.0 | 314 | -10398 | 829 | 2385 | 2.9 | 1.248 [2-3] |
| 231 | 2-3 | 690.0 | 108.9 | 50.0 | 460.0 | 197 | -6025 | 520 | 1242 | 2.4 | 2.387 [2-3] |
| 231 | 7-8 | 690.0 | 108.9 | 50.0 | 460.0 | 85 | -6025 | 226 | 1242 | 5.5 | 2.387 [2-3] |

Muratura 35 - Nodi : [1085 - 1093 - 1287 - 1288 - 1094 - 1095 - 1097 - 1099 - 2099 - 2097 - 2085 ] Spess.= 70.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.922 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano

Setto 233: Setto $\zeta_E$=0.945 [(2+3)-III-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-III-3 | 6900 | 90.0 | 70.0 | -13058 | -5284 | 3418 | 1 | 5075 | 3942 | 0.960 |

Setto 234: Setto $\zeta_E$=0.922 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 430.0 | 70.0 | -45601 | 32329 | -4564 | 1 | 30178 | 74452 | 0.93 |

Setto 235: Setto $\zeta_E$=1.001 [(2+3)-VI-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VII-3 | 6900 | 205.0 | 70.0 | -20196 | -9986 | -6381 | 1 | 9990 | 16074 | 1.0 |

Setto 236: Setto $\zeta_E$=1.180 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 828.8 | 70.0 | -61261 | 46652 | 7425 | 1 | 54894 | 211291 | 1.2 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 233 | 2-3 | 690.0 | 90.0 | 70.0 | 460.0 | 210 | -9692 | 555 | 2563 | 4.6 | 4.622 [2-3] |
| 233 | 7-8 | 690.0 | 90.0 | 70.0 | 460.0 | 91 | -9692 | 241 | 2563 | 11 | 4.622 [2-3] |
| 234 | 2-3 | 690.0 | 430.0 | 70.0 | 460.0 | 1002 | -34592 | 2650 | 9897 | 3.7 | 3.735 [2-3] |
| 234 | 7-8 | 690.0 | 430.0 | 70.0 | 460.0 | 435 | -34592 | 1150 | 9897 | 8.6 | 3.735 [2-3] |
| 235 | 2-3 | 690.0 | 205.0 | 70.0 | 460.0 | 478 | -19495 | 1263 | 5351 | 4.2 | 4.236 [2-3] |
| 235 | 7-8 | 690.0 | 205.0 | 70.0 | 460.0 | 207 | -19495 | 548 | 5351 | 9.8 | 4.236 [2-3] |
| 236 | 2-3 | 690.0 | 828.8 | 70.0 | 460.0 | 1931 | -57003 | 5107 | 16838 | 3.3 | 3.297 [2-3] |
| 236 | 7-8 | 690.0 | 828.8 | 70.0 | 460.0 | 838 | -57003 | 2217 | 16838 | 7.6 | 3.297 [2-3] |

Muratura 91 - Nodi : [1276 - 1260 - 2260 - 2276 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.004 [(2+3)-IV-2] : **Verificato**

Verifiche nel piano
Setto 242: Setto $\zeta_E$=1.004 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 515.0 | 50.0 | -15145 | 20356 | 8065 | 1 | 20526 | 35355 | 1.0 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 242 | 2-3 | 690.0 | 515.0 | 50.0 | 460.0 | 930 | -19537 | 2460 | 4296 | 1.7 | 1.746 [2-3] |
| 242 | 7-8 | 690.0 | 515.0 | 50.0 | 460.0 | 404 | -19537 | 1068 | 4296 | 4.0 | 1.746 [2-3] |

Muratura 43 - Nodi : [1216 - 1219 - 1289 - 1290 - 1222 - 1223 - 1226 - 1291 - 1292 - 1228 - 1229 - 2229 - 2227 - 2225 - 2223 - 2221 - 2220 - 2218 - 1381 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.998 [(2+3)-V-1] : **Non verificato**

Verifiche nel piano
Setto 243: Setto $\zeta_E$=0.998 [(2+3)-V-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-1 | 6900 | 60.0 | 50.0 | -449 | 1252 | -134 | 1 | 1252 | 132 | 0.978 |

Setto 244: Setto $\zeta_E$=1.422 [(2+3)-VII-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-VII-4 | 6900 | 465.0 | 50.0 | -23418 | -14738 | -17575 | 1 | 21664 | 45737 | 1.5 |

Setto 245: Setto $\zeta_E$=1.422 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-2 | 6900 | 116.9 | 50.0 | -13694 | 3794 | -935 | 1 | 4945 | 5026 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 243 | 2-3 | 690.0 | 60.0 | 50.0 | 460.0 | 108 | -5382 | 287 | 962 | 3.4 | 3.357 [2-3] |
| 243 | 7-8 | 690.0 | 60.0 | 50.0 | 460.0 | 47 | -5382 | 124 | 962 | 7.7 | 3.357 [2-3] |
| 244 | 2-3 | 690.0 | 465.0 | 50.0 | 460.0 | 840 | -31357 | 2221 | 6160 | 2.8 | 2.774 [2-3] |
| 244 | 7-8 | 690.0 | 465.0 | 50.0 | 460.0 | 364 | -31357 | 964 | 6160 | 6.4 | 2.774 [2-3] |
| 245 | 2-3 | 690.0 | 116.9 | 50.0 | 460.0 | 211 | -10767 | 558 | 1904 | 3.4 | 3.410 [2-3] |
| 245 | 7-8 | 690.0 | 116.9 | 50.0 | 460.0 | 92 | -10767 | 242 | 1904 | 7.9 | 3.410 [2-3] |

Muratura 36 - Nodi : [1120 - 1118 - 1293 - 1294 - 1116 - 1111 - 1378 - 2111 - 2120 ] Spess.= 50.0[cm]
Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq]
Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio -
$\zeta_E$=1.406 [(2+3)-I-2] : **Verificato**

Verifiche nel piano
Setto 248: Setto $\zeta_E$=1.484 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-3 | 6900 | 100.0 | 50.0 | -5669 | 2235 | -1326 | 1 | 3229 | 2324 | 1.4 |

Setto 249: Setto $\zeta_E$=1.406 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cm q | kg | kg*m | |
| (2+3)-V-2 | 6900 | 404.2 | 50.0 | -13638 | -10482 | 6233 | 1 | 14682 | 24609 | 1.4 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 248 | 2-3 | 690.0 | 100.0 | 50.0 | 460.0 | 181 | -6902 | 478 | 1347 | 2.8 | 2.820 [2-3] |

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 248 | 7-8 | 690.0 | 100.0 | 50.0 | 460.0 | 78 | -6902 | 207 | 1347 | 6.5 | 2.820 [2-3] |
| 249 | 2-3 | 690.0 | 404.2 | 50.0 | 460.0 | 730 | -14685 | 1931 | 3247 | 1.7 | 1.682 [2-3] |
| 249 | 7-8 | 690.0 | 404.2 | 50.0 | 460.0 | 317 | -14685 | 838 | 3247 | 3.9 | 1.682 [2-3] |

Muratura 39 - Nodi : [1161 - 1159 - 1295 - 1296 - 1158 - 1157 - 1379 - 2157 - 2161 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.391 [(2+3)-V-2] : **Verificato**

Verifiche nel piano
Setto 251: Setto $\zeta_E$=1.688 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 6900 | 100.0 | 50.0 | -6688 | 1984 | -1351 | 1 | 3418 | 2634 | 1.7 |

Setto 252: Setto $\zeta_E$=1.391 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 423.8 | 50.0 | -14591 | -11854 | 9223 | 1 | 16231 | 27537 | 1.4 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 251 | 2-3 | 690.0 | 100.0 | 50.0 | 460.0 | 181 | -7604 | 478 | 1442 | 3.0 | 3.019 [2-3] |
| 251 | 7-8 | 690.0 | 100.0 | 50.0 | 460.0 | 78 | -7604 | 207 | 1442 | 7.0 | 3.019 [2-3] |
| 252 | 2-3 | 690.0 | 423.8 | 50.0 | 460.0 | 765 | -13997 | 2024 | 3132 | 1.5 | 1.547 [2-3] |
| 252 | 7-8 | 690.0 | 423.8 | 50.0 | 460.0 | 332 | -13997 | 879 | 3132 | 3.6 | 1.547 [2-3] |

Muratura 79 - Nodi : [1097 - 1145 - 2145 - 2097 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.189 [(2+3)-VI-1] : **Non verificato**

Verifiche nel piano
Setto 254: Setto $\zeta_E$=0.330 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-2 | 6900 | 100.0 | 55.0 | 1382 | -8072 | -734 | 0 | 0 | 0 | 0.00 |

Setto 255: Setto $\zeta_E$=0.189 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-1 | 6900 | 173.0 | 55.0 | 1582 | 9062 | 4544 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 254 | 2-3 | 690.0 | 100.0 | 55.0 | 460.0 | 194 | -7729 | 512 | 1651 | 3.2 | 3.224 [2-3] |
| 254 | 7-8 | 690.0 | 100.0 | 55.0 | 460.0 | 84 | -7729 | 222 | 1651 | 7.4 | 3.224 [2-3] |
| 255 | 2-3 | 690.0 | 173.0 | 55.0 | 460.0 | 335 | -7770 | 886 | 1860 | 2.1 | 2.099 [2-3] |
| 255 | 7-8 | 690.0 | 173.0 | 55.0 | 460.0 | 145 | -7770 | 385 | 1860 | 4.8 | 2.099 [2-3] |

Muratura 41 - Nodi : [1195 - 1193 - 1297 - 1298 - 1192 - 1190 - 1372 - 2190 - 2195 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.756 [(2+3)-V-3] : **Non verificato**

Verifiche nel piano
Setto 258: Setto $\zeta_E$=0.883 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 290.0 | 50.0 | -5177 | 7950 | -2991 | 1 | 6883 | 7081 | 0.86 |

Setto 259: Setto $\zeta_E$=0.756 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 6900 | 72.5 | 50.0 | -76 | -1502 | 465 | 1 | 1368 | 27 | 0.06 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 258 | 2-3 | 690.0 | 290.0 | 50.0 | 460.0 | 524 | -9459 | 1385 | 2120 | 1.5 | 1.530 [2-3] |
| 258 | 7-8 | 690.0 | 290.0 | 50.0 | 460.0 | 227 | -9459 | 601 | 2120 | 3.5 | 1.530 [2-3] |
| 259 | 2-3 | 690.0 | 72.5 | 50.0 | 460.0 | 131 | -3402 | 346 | 724 | 2.1 | 2.090 [2-3] |
| 259 | 7-8 | 690.0 | 72.5 | 50.0 | 460.0 | 57 | -3402 | 150 | 724 | 4.8 | 2.090 [2-3] |

Muratura 88 - Nodi : [1190 - 1215 - 1409 - 1410 - 1411 - 1412 - 1413 - 1414 - 1415 - 1416 - 1417 - 1418 - 1419 - 1420 - 1421 - 1248 - 1270 - 1399 - 1400 - 1401 - 1402 - 1403 - 1404 - 1405 - 1406 - 1407 - 1408 - 2272 - 2190 - 1372 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.781 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 261: Setto $\zeta_E$=0.844 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 139.9 | 55.0 | -17329 | -7091 | 7204 | 1 | 6407 | 7786 | 0.90 |

Setto 262: Setto $\zeta_E$=0.781 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 133.7 | 55.0 | -6410 | -5920 | -708 | 1 | 4365 | 3692 | 0.74 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 261 | 2-3 | 690.0 | 139.9 | 55.0 | 460.0 | 271 | -12045 | 716 | 2489 | 3.5 | 3.474 [2-3] |
| 261 | 7-8 | 690.0 | 139.9 | 55.0 | 460.0 | 118 | -12045 | 311 | 2489 | 8.0 | 3.474 [2-3] |
| 262 | 2-3 | 690.0 | 133.7 | 55.0 | 460.0 | 259 | -9490 | 685 | 2075 | 3.0 | 3.030 [2-3] |
| 262 | 7-8 | 690.0 | 133.7 | 55.0 | 460.0 | 112 | -9490 | 297 | 2075 | 7.0 | 3.030 [2-3] |

Muratura 83 - Nodi : [1072 - 1121 - 1195 - 1274 - 2274 - 2195 - 2121 - 2072 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.781 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 264: Setto $\zeta_E$=0.781 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 1975.1 | 40.0 | -50698 | -82679 | -28661 | 1 | 64433 | 449640 | 0.78 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 264 | 2-3 | 690.0 | 1975.1 | 40.0 | 460.0 | 3057 | -57561 | 8086 | 10180 | 1.3 | 1.259 [2-3] |
| 264 | 7-8 | 690.0 | 1975.1 | 40.0 | 460.0 | 1327 | -57561 | 3510 | 10180 | 2.9 | 1.259 [2-3] |

Muratura 85 - Nodi : [1265 - 1240 - 1299 - 1300 - 1233 - 1216 - 1178 - 1382 - 2178 - 2218 - 2234 - 2241 - 2265 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.727 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 265: Setto $\zeta_E$=0.738 [(2+3)-VIII-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 6900 | 290.0 | 50.0 | -11098 | 11910 | -8061 | 1 | 8281 | 14136 | 0.69 |

Setto 266: Setto $\zeta_E$=0.727 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 282.1 | 50.0 | -22656 | 13209 | -11149 | 1 | 10305 | 23804 | 0.78 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 265 | 2-3 | 690.0 | 290.0 | 50.0 | 460.0 | 524 | -19776 | 1385 | 3873 | 2.8 | 2.796 [2-3] |
| 265 | 7-8 | 690.0 | 290.0 | 50.0 | 460.0 | 227 | -19776 | 601 | 3873 | 6.4 | 2.796 [2-3] |
| 266 | 2-3 | 690.0 | 282.1 | 50.0 | 460.0 | 509 | -17671 | 1347 | 3539 | 2.6 | 2.626 [2-3] |
| 266 | 7-8 | 690.0 | 282.1 | 50.0 | 460.0 | 221 | -17671 | 585 | 3539 | 6.1 | 2.626 [2-3] |

Muratura 33 - Nodi : [1072 - 1071 - 1068 - 1301 - 1302 - 1064 - 1063 - 1061 - 1303 - 1304 - 1060 - 1051 - 1050 - 1048 - 1305 - 1306 - 1047 - 1046 - 1043 - 1307 - 1308 - 1042 - 1040 - 1367 - 2040 - 2046 - 2063 - 2071 - 2072 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.594 [(2+3)-III-2] : **Non verificato**

Verifiche nel piano

Setto 268: Setto $\zeta_E$=0.803 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 200.0 | 60.0 | -1590 | 3118 | -3865 | 1 | 4946 | 1557 | 0.40 |

Setto 269: Setto $\zeta_E$=0.594 [(2+3)-III-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-2 | 6900 | 165.0 | 60.0 | -3569 | 4691 | -8448 | 1 | 4708 | 2776 | 0.33 |

Setto 270: Setto $\zeta_E$=0.945 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 6900 | 610.0 | 60.0 | -30225 | -33958 | 31221 | 1 | 32063 | 80096 | 0.94 |

Setto 271: Setto $\zeta_E$=1.001 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-4 | 6900 | 365.0 | 60.0 | -21630 | -16085 | 8326 | 1 | 16090 | 33283 | 1.0 |

Setto 272: Setto $\zeta_E$=0.689 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 6900 | 66.9 | 60.0 | 1016 | 23 | 909 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 268 | 2-3 | 690.0 | 200.0 | 60.0 | 460.0 | 413 | -8459 | 1093 | 2254 | 2.1 | 2.061 [2-3] |
| 268 | 7-8 | 690.0 | 200.0 | 60.0 | 460.0 | 179 | -8459 | 475 | 2254 | 4.7 | 2.061 [2-3] |
| 269 | 2-3 | 690.0 | 165.0 | 60.0 | 460.0 | 341 | -10727 | 902 | 2664 | 3.0 | 2.954 [2-3] |
| 269 | 7-8 | 690.0 | 165.0 | 60.0 | 460.0 | 148 | -10727 | 391 | 2664 | 6.8 | 2.954 [2-3] |
| 270 | 2-3 | 690.0 | 610.0 | 60.0 | 460.0 | 1261 | -33852 | 3335 | 8664 | 2.6 | 2.598 [2-3] |
| 270 | 7-8 | 690.0 | 610.0 | 60.0 | 460.0 | 547 | -33852 | 1447 | 8664 | 6.0 | 2.598 [2-3] |
| 271 | 2-3 | 690.0 | 365.0 | 60.0 | 460.0 | 754 | -21259 | 1995 | 5394 | 2.7 | 2.704 [2-3] |
| 271 | 7-8 | 690.0 | 365.0 | 60.0 | 460.0 | 327 | -21259 | 866 | 5394 | 6.2 | 2.704 [2-3] |
| 272 | 2-3 | 690.0 | 66.9 | 60.0 | 460.0 | 138 | -6917 | 366 | 1507 | 4.1 | 4.121 [2-3] |
| 272 | 7-8 | 690.0 | 66.9 | 60.0 | 460.0 | 60 | -6917 | 159 | 1507 | 9.5 | 4.121 [2-3] |

Muratura 86 - Nodi : [1266 - 1250 - 1309 - 1310 - 1311 - 1312 - 1313 - 1314 - 1315 - 1316 - 1317 - 1318 -

1319 - 1320 - 1321 - 1198 - 1183 - 2183 - 2266 - 1398 - 1397 - 1396 - 1395 - 1394 - 1393 - 1392 - 1391 - 1390 - 1389 - 1388 - 1387 - 1386 - 1385 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.438 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 277: Setto $\zeta_E$=0.609 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 95.0 | 55.0 | -14151 | -5688 | 4711 | 1 | 4691 | 3830 | 0.81 |

Setto 278: Setto $\zeta_E$=0.438 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 82.0 | 55.0 | -875 | -2771 | 713 | 1 | 1940 | 348 | 0.49 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 277 | 2-3 | 690.0 | 95.0 | 55.0 | 460.0 | 184 | -8330 | 486 | 1711 | 3.5 | 3.517 [2-3] |
| 277 | 7-8 | 690.0 | 95.0 | 55.0 | 460.0 | 80 | -8330 | 211 | 1711 | 8.1 | 3.517 [2-3] |
| 278 | 2-3 | 690.0 | 82.0 | 55.0 | 460.0 | 159 | -7534 | 420 | 1522 | 3.6 | 3.625 [2-3] |
| 278 | 7-8 | 690.0 | 82.0 | 55.0 | 460.0 | 69 | -7534 | 182 | 1522 | 8.4 | 3.625 [2-3] |

Muratura 28 - Nodi : [1012 - 1004 - 1006 - 1007 - 2007 - 2006 - 2002 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.438 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano
Setto 280: Setto $\zeta_E$=0.547 [(2+3)-III-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-1 | 6900 | 250.0 | 50.0 | -22971 | -17313 | 3992 | 1 | 9609 | 20333 | 0.56 |

Setto 281: Setto $\zeta_E$=0.672 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 380.0 | 50.0 | -8483 | -17815 | 1652 | 1 | 11711 | 14974 | 0.66 |

Setto 282: Setto $\zeta_E$=0.438 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 236.4 | 50.0 | -1636 | -13584 | 514 | 1 | 4893 | 1892 | 0.36 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 280 | 2-3 | 690.0 | 250.0 | 50.0 | 460.0 | 451 | -18224 | 1194 | 3501 | 2.9 | 2.932 [2-3] |
| 280 | 7-8 | 690.0 | 250.0 | 50.0 | 460.0 | 196 | -18224 | 518 | 3501 | 6.8 | 2.932 [2-3] |
| 281 | 2-3 | 690.0 | 380.0 | 50.0 | 460.0 | 686 | -24523 | 1815 | 4874 | 2.7 | 2.685 [2-3] |
| 281 | 7-8 | 690.0 | 380.0 | 50.0 | 460.0 | 298 | -24523 | 788 | 4874 | 6.2 | 2.685 [2-3] |
| 282 | 2-3 | 690.0 | 236.4 | 50.0 | 460.0 | 427 | -6654 | 1129 | 1515 | 1.3 | 1.341 [2-3] |
| 282 | 7-8 | 690.0 | 236.4 | 50.0 | 460.0 | 185 | -6654 | 490 | 1515 | 3.1 | 1.341 [2-3] |

Muratura 77 - Nodi : [1032 - 1071 - 2071 - 2032 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.750 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano

Setto 287: Setto $\zeta_E$=0.750 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 392.2 | 50.0 | -9162 | 16920 | -2090 | 1 | 12603 | 16633 | 0.74 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 287 | 2-3 | 690.0 | 392.2 | 50.0 | 460.0 | 708 | -10564 | 1873 | 2415 | 1.3 | 1.289 [2-3] |
| 287 | 7-8 | 690.0 | 392.2 | 50.0 | 460.0 | 307 | -10564 | 813 | 2415 | 3.0 | 1.289 [2-3] |

Muratura 75 - Nodi : [1012 - 1034 - 1085 - 2085 - 2034 - 2002 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.875 [(2+3)-VI-4] : **Non verificato**

Verifiche nel piano

Setto 288: Setto $\zeta_E$=0.875 [(2+3)-VI-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 6900 | 1072.5 | 60.0 | -62943 | 67680 | 53357 | 1 | 59399 | 285096 | 0.88 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 288 | 2-3 | 690.0 | 1072.5 | 60.0 | 460.0 | 2217 | -67699 | 5863 | 16916 | 2.9 | 2.885 [2-3] |
| 288 | 7-8 | 690.0 | 1072.5 | 60.0 | 460.0 | 962 | -67699 | 2545 | 16916 | 6.6 | 2.885 [2-3] |

Muratura 84 - Nodi : [1085 - 1102 - 1322 - 1323 - 1107 - 1120 - 1127 - 1324 - 1325 - 1141 - 1161 - 1167 - 1326 - 1327 - 1172 - 1212 - 1229 - 1238 - 1328 - 1329 - 1243 - 1262 - 2262 - 2244 - 2239 - 2229 - 2212 - 2171 - 2166 - 2161 - 2142 - 2126 - 2120 - 2106 - 2101 - 2085 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.539 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano

Setto 289: Setto $\zeta_E$=0.562 [(2+3)-VIII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-3 | 6900 | 155.0 | 50.0 | -5542 | 8826 | -4175 | 1 | 4341 | 3807 | 0.49 |

Setto 290: Setto $\zeta_E$=0.617 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 270.0 | 50.0 | -24780 | -16420 | 15476 | 1 | 10373 | 23700 | 0.63 |

Setto 291: Setto $\zeta_E$=0.625 [(2+3)-VIII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-3 | 6900 | 320.0 | 50.0 | -28177 | 19958 | -15711 | 1 | 12627 | 32474 | 0.63 |

Setto 292: Setto $\zeta_E$=0.547 [(2+3)-IV-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-1 | 6900 | 345.0 | 50.0 | -34553 | 27807 | -23228 | 1 | 15425 | 40642 | 0.55 |

Setto 293: Setto $\zeta_E$=0.539 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 253.9 | 50.0 | -3784 | -11566 | 8429 | 1 | 5828 | 4576 | 0.50 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 289 | 2-3 | 690.0 | 155.0 | 50.0 | 460.0 | 280 | -12756 | 740 | 2355 | 3.2 | 3.181 [2-3] |
| 289 | 7-8 | 690.0 | 155.0 | 50.0 | 460.0 | 121 | -12756 | 321 | 2355 | 7.3 | 3.181 [2-3] |
| 290 | 2-3 | 690.0 | 270.0 | 50.0 | 460.0 | 488 | -27357 | 1290 | 4638 | 3.6 | 3.596 [2-3] |
| 290 | 7-8 | 690.0 | 270.0 | 50.0 | 460.0 | 212 | -27357 | 560 | 4638 | 8.3 | 3.596 [2-3] |
| 291 | 2-3 | 690.0 | 320.0 | 50.0 | 460.0 | 578 | -29799 | 1528 | 5246 | 3.4 | 3.432 [2-3] |
| 291 | 7-8 | 690.0 | 320.0 | 50.0 | 460.0 | 251 | -29799 | 663 | 5246 | 7.9 | 3.432 [2-3] |
| 292 | 2-3 | 690.0 | 345.0 | 50.0 | 460.0 | 623 | -30097 | 1648 | 5439 | 3.3 | 3.301 [2-3] |
| 292 | 7-8 | 690.0 | 345.0 | 50.0 | 460.0 | 270 | -30097 | 715 | 5439 | 7.6 | 3.301 [2-3] |
| 293 | 2-3 | 690.0 | 253.9 | 50.0 | 460.0 | 458 | -18048 | 1213 | 3493 | 2.9 | 2.880 [2-3] |
| 293 | 7-8 | 690.0 | 253.9 | 50.0 | 460.0 | 199 | -18048 | 526 | 3493 | 6.6 | 2.880 [2-3] |

Muratura 29 - Nodi : [1007 - 1009 - 1013 - 1017 - 2017 - 2009 - 2007 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.348 [(2+3)-III-4] : **Non verificato**

Verifiche nel piano
Setto 298: Setto $\zeta_E$=0.664 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 6900 | 350.0 | 50.0 | -14312 | 17839 | -5702 | 1 | 11631 | 21793 | 0.65 |

Setto 299: Setto $\zeta_E$=0.766 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 405.0 | 50.0 | -18544 | -21050 | 18254 | 1 | 16119 | 32090 | 0.77 |

Setto 300: Setto $\zeta_E$=0.672 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 270.0 | 50.0 | -12202 | -12617 | 6691 | 1 | 8104 | 14108 | 0.64 |

Setto 301: Setto $\zeta_E$=0.348 [(2+3)-III-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-4 | 6900 | 121.7 | 50.0 | -9491 | 11939 | -910 | 1 | 4398 | 4345 | 0.37 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 298 | 2-3 | 690.0 | 350.0 | 50.0 | 460.0 | 632 | -16744 | 1672 | 3550 | 2.1 | 2.123 [2-3] |
| 298 | 7-8 | 690.0 | 350.0 | 50.0 | 460.0 | 274 | -16744 | 726 | 3550 | 4.9 | 2.123 [2-3] |
| 299 | 2-3 | 690.0 | 405.0 | 50.0 | 460.0 | 731 | -19596 | 1934 | 4146 | 2.1 | 2.143 [2-3] |
| 299 | 7-8 | 690.0 | 405.0 | 50.0 | 460.0 | 317 | -19596 | 840 | 4146 | 4.9 | 2.143 [2-3] |
| 300 | 2-3 | 690.0 | 270.0 | 50.0 | 460.0 | 488 | -17549 | 1290 | 3481 | 2.7 | 2.700 [2-3] |
| 300 | 7-8 | 690.0 | 270.0 | 50.0 | 460.0 | 212 | -17549 | 560 | 3481 | 6.2 | 2.700 [2-3] |
| 301 | 2-3 | 690.0 | 121.7 | 50.0 | 460.0 | 220 | -7402 | 581 | 1493 | 2.6 | 2.568 [2-3] |
| 301 | 7-8 | 690.0 | 121.7 | 50.0 | 460.0 | 95 | -7402 | 252 | 1493 | 5.9 | 2.568 [2-3] |

Muratura 30 - Nodi : [1017 - 1032 - 2032 - 2017 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.461 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 308: Setto $\zeta_E$=0.500 [(2+3)-III-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-III-3 | 6900 | 130.0 | 50.0 | 164 | 6618 | -1538 | 0 | 0 | 0 | 0.00 |

Setto 309: Setto $\zeta_E$=0.461 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-1 | 6900 | 129.1 | 50.0 | 65 | -5487 | 295 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 308 | 2-3 | 690.0 | 130.0 | 50.0 | 460.0 | 235 | -5165 | 621 | 1128 | 1.8 | 1.817 [2-3] |
| 308 | 7-8 | 690.0 | 130.0 | 50.0 | 460.0 | 102 | -5165 | 270 | 1128 | 4.2 | 1.817 [2-3] |
| 309 | 2-3 | 690.0 | 129.1 | 50.0 | 460.0 | 233 | -4790 | 617 | 1056 | 1.7 | 1.713 [2-3] |
| 309 | 7-8 | 690.0 | 129.1 | 50.0 | 460.0 | 101 | -4790 | 268 | 1056 | 3.9 | 1.713 [2-3] |

Muratura 32 - Nodi : [1034 - 1036 - 1038 - 1422 - 2038 - 2034 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.672 [(2+3)-I-3] : **Verificato**

Verifiche nel piano
Setto 312: Setto $\zeta_E$=1.672 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 6900 | 613.0 | 50.0 | -39909 | 19214 | 4745 | 1 | 31137 | 97025 | 1.6 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 312 | 2-3 | 690.0 | 613.0 | 50.0 | 460.0 | 1107 | -37938 | 2928 | 7620 | 2.6 | 2.603 [2-3] |
| 312 | 7-8 | 690.0 | 613.0 | 50.0 | 460.0 | 480 | -37938 | 1271 | 7620 | 6.0 | 2.603 [2-3] |

Muratura 74 - Nodi : [1009 - 1046 - 1368 - 2046 - 2009 ] Spess.= 45.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.002 [(2+3)-IV-3] : **Verificato**

Verifiche nel piano
Setto 313: Setto $\zeta_E$=1.002 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 582.9 | 45.0 | -13844 | 20276 | 4939 | 1 | 20349 | 36965 | 1.0 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 313 | 2-3 | 690.0 | 582.9 | 45.0 | 460.0 | 977 | -14179 | 2585 | 2916 | 1.1 | 1.128 [2-3] |
| 313 | 7-8 | 690.0 | 582.9 | 45.0 | 460.0 | 424 | -14179 | 1122 | 2916 | 2.6 | 1.128 [2-3] |

Muratura 73 - Nodi : [1007 - 1029 - 1040 - 1367 - 2040 - 2029 - 2007 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.109 [(2+3)-IV-3] : **Verificato**

Verifiche nel piano
Setto 314: Setto $\zeta_E$=1.109 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 592.7 | 50.0 | -22739 | 22838 | 9845 | 1 | 25405 | 59175 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 314 | 2-3 | 690.0 | 592.7 | 50.0 | 460.0 | 1070 | -21673 | 2831 | 4789 | 1.7 | 1.692 [2-3] |
| 314 | 7-8 | 690.0 | 592.7 | 50.0 | 460.0 | 465 | -21673 | 1229 | 4789 | 3.9 | 1.692 [2-3] |

Muratura 37 - Nodi : [1121 - 1117 - 1330 - 1331 - 1115 - 1114 - 1371 - 2114 - 2121 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.684 [(2+3)-I-3] : **Non verificato**

Verifiche nel piano
Setto 315: Setto $\zeta_E$=0.977 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 6900 | 225.0 | 50.0 | -3010 | 5010 | -3411 | 1 | 5072 | 3243 | 0.95 |

Setto 316: Setto $\zeta_E$=0.684 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 6900 | 76.2 | 50.0 | 281 | -1172 | 597 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 315 | 2-3 | 690.0 | 225.0 | 50.0 | 460.0 | 406 | -7310 | 1075 | 1639 | 1.5 | 1.525 [2-3] |
| 315 | 7-8 | 690.0 | 225.0 | 50.0 | 460.0 | 176 | -7310 | 466 | 1639 | 3.5 | 1.525 [2-3] |
| 316 | 2-3 | 690.0 | 76.2 | 50.0 | 460.0 | 138 | -3734 | 364 | 788 | 2.2 | 2.165 [2-3] |
| 316 | 7-8 | 690.0 | 76.2 | 50.0 | 460.0 | 60 | -3734 | 158 | 788 | 5.0 | 2.165 [2-3] |

Muratura 87 - Nodi : [1189 - 1214 - 1332 - 1333 - 1334 - 1335 - 1336 - 1337 - 1338 - 1339 - 1340 - 1341 - 1342 - 1343 - 1344 - 1249 - 1268 - 2268 - 2189 - 1369 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.001 [(2+3)-IV-2] : **Verificato**

Verifiche nel piano
Setto 318: Setto $\zeta_E$=1.001 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-3 | 6900 | 125.0 | 55.0 | -8365 | 4548 | 733 | 1 | 4548 | 4218 | 1.0 |

Setto 319: Setto $\zeta_E$=1.109 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 6900 | 115.2 | 55.0 | -9721 | 2029 | -3999 | 1 | 4551 | 4235 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 318 | 2-3 | 690.0 | 125.0 | 55.0 | 460.0 | 242 | -10121 | 640 | 2133 | 3.3 | 3.332 [2-3] |
| 318 | 7-8 | 690.0 | 125.0 | 55.0 | 460.0 | 105 | -10121 | 278 | 2133 | 7.7 | 3.332 [2-3] |
| 319 | 2-3 | 690.0 | 115.2 | 55.0 | 460.0 | 223 | -8670 | 590 | 1866 | 3.2 | 3.163 [2-3] |
| 319 | 7-8 | 690.0 | 115.2 | 55.0 | 460.0 | 97 | -8670 | 256 | 1866 | 7.3 | 3.163 [2-3] |

Muratura 34 - Nodi : [1085 - 1089 - 1377 - 2089 - 2085 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.406 [(2+3)-I-3] : **Verificato**

Verifiche nel piano
Setto 321: Setto $\zeta_E$=1.406 [(2+3)-I-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 6900 | 612.4 | 55.0 | -28346 | 21178 | 17666 | 1 | 29674 | 75194 | 1.4 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 321 | 2-3 | 690.0 | 612.4 | 55.0 | 460.0 | 1186 | -28655 | 3136 | 6815 | 2.2 | 2.173 [2-3] |
| 321 | 7-8 | 690.0 | 612.4 | 55.0 | 460.0 | 515 | -28655 | 1361 | 6815 | 5.0 | 2.173 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 323Muratura 80 - Nodi : [1099 - 1139 - 2139 - 2099 ] Spess.= 55.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.640 [(2+3)-IV-4] : **Non verificato**

Verifiche nel piano
Setto 322: Setto $\zeta_E$=0.742 [(2+3)-II-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 6900 | 120.0 | 55.0 | -1648 | 3082 | -1677 | 1 | 2943 | 950 | 0.57 |

Setto 324: Setto $\zeta_E$=0.640 [(2+3)-IV-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 214.1 | 55.0 | 1712 | -2156 | -1938 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 322 | 2-3 | 690.0 | 120.0 | 55.0 | 460.0 | 232 | -6234 | 614 | 1457 | 2.4 | 2.371 [2-3] |
| 322 | 7-8 | 690.0 | 120.0 | 55.0 | 460.0 | 101 | -6234 | 267 | 1457 | 5.5 | 2.371 [2-3] |
| 324 | 2-3 | 690.0 | 214.1 | 55.0 | 460.0 | 414 | -9876 | 1096 | 2354 | 2.1 | 2.147 [2-3] |
| 324 | 7-8 | 690.0 | 214.1 | 55.0 | 460.0 | 180 | -9876 | 476 | 2354 | 4.9 | 2.147 [2-3] |

Muratura 89 - Nodi : [1256 - 1245 - 1345 - 1346 - 1237 - 1201 - 2202 - 2256 ] Spess.= 45.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.395 [(2+3)-VI-1] : **Non verificato**

Verifiche nel piano

Setto 329: Setto $\zeta_E$=0.395 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-1 | 6900 | 230.0 | 45.0 | 289 | 12176 | -3545 | 0 | 0 | 0 | 0.00 |

Setto 330: Setto $\zeta_E$=0.504 [(2+3)-II-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-4 | 6900 | 201.8 | 45.0 | 2064 | -8950 | 3273 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 329 | 2-3 | 690.0 | 230.0 | 45.0 | 460.0 | 386 | -6093 | 1020 | 1243 | 1.2 | 1.219 [2-3] |
| 329 | 7-8 | 690.0 | 230.0 | 45.0 | 460.0 | 167 | -6093 | 443 | 1243 | 2.8 | 1.219 [2-3] |
| 330 | 2-3 | 690.0 | 201.8 | 45.0 | 460.0 | 338 | -7049 | 895 | 1391 | 1.6 | 1.554 [2-3] |
| 330 | 7-8 | 690.0 | 201.8 | 45.0 | 460.0 | 147 | -7049 | 388 | 1391 | 3.6 | 1.554 [2-3] |

Muratura 42 - Nodi : [1212 - 1211 - 1347 - 1348 - 1210 - 1208 - 1206 - 1349 - 1350 - 1205 - 1203 - 1201 - 2202 - 2203 - 2212 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.301 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano

Setto 332: Setto $\zeta_E$=0.301 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 6900 | 71.3 | 50.0 | -5740 | -8880 | 1379 | 1 | 2607 | 1523 | 0.29 |

Setto 333: Setto $\zeta_E$=0.441 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 178.7 | 50.0 | -7938 | 10465 | -8172 | 1 | 5335 | 6092 | 0.51 |

Setto 334: Setto $\zeta_E$=0.734 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 340.0 | 50.0 | -17961 | 15418 | -11705 | 1 | 11891 | 25410 | 0.77 |

Setto 335: Setto $\zeta_E$=0.727 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 247.1 | 50.0 | -16175 | 10527 | -698 | 1 | 8383 | 15829 | 0.80 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 332 | 2-3 | 690.0 | 71.3 | 50.0 | 460.0 | 129 | -5509 | 341 | 1039 | 3.1 | 3.052 [2-3] |
| 332 | 7-8 | 690.0 | 71.3 | 50.0 | 460.0 | 56 | -5509 | 148 | 1039 | 7.0 | 3.052 [2-3] |
| 333 | 2-3 | 690.0 | 178.7 | 50.0 | 460.0 | 323 | -7356 | 854 | 1598 | 1.9 | 1.873 [2-3] |
| 333 | 7-8 | 690.0 | 178.7 | 50.0 | 460.0 | 140 | -7356 | 370 | 1598 | 4.3 | 1.873 [2-3] |
| 334 | 2-3 | 690.0 | 340.0 | 50.0 | 460.0 | 614 | -14969 | 1624 | 3219 | 2.0 | 1.982 [2-3] |
| 334 | 7-8 | 690.0 | 340.0 | 50.0 | 460.0 | 266 | -14969 | 705 | 3219 | 4.6 | 1.982 [2-3] |
| 335 | 2-3 | 690.0 | 247.1 | 50.0 | 460.0 | 446 | -10421 | 1180 | 2256 | 1.9 | 1.912 [2-3] |
| 335 | 7-8 | 690.0 | 247.1 | 50.0 | 460.0 | 194 | -10421 | 512 | 2256 | 4.4 | 1.912 [2-3] |

Muratura 92 - Nodi : [1251 - 1277 - 2277 - 2251 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.516 [(2+3)-VI-1] : **Non verificato**

Verifiche nel piano

Setto 340: Setto $\zeta_E$=0.523 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-4 | 6900 | 275.0 | 50.0 | -5323 | 14198 | 2587 | 1 | 6634 | 6869 | 0.47 |

Setto 341: Setto $\zeta_E$=0.516 [(2+3)-VI-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-1 | 6900 | 242.6 | 50.0 | -2822 | -12061 | 1340 | 1 | 5351 | 3296 | 0.44 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 340 | 2-3 | 690.0 | 275.0 | 50.0 | 460.0 | 497 | -11804 | 1314 | 2549 | 1.9 | 1.940 [2-3] |
| 340 | 7-8 | 690.0 | 275.0 | 50.0 | 460.0 | 216 | -11804 | 570 | 2549 | 4.5 | 1.940 [2-3] |
| 341 | 2-3 | 690.0 | 242.6 | 50.0 | 460.0 | 438 | -9568 | 1159 | 2092 | 1.8 | 1.806 [2-3] |
| 341 | 7-8 | 690.0 | 242.6 | 50.0 | 460.0 | 190 | -9568 | 503 | 2092 | 4.2 | 1.806 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 344,345Muratura 18 - Nodi : [153 - 152 - 429 - 430 - 431 - 432 - 433 - 434 - 435 - 436 - 437 - 438 - 439 - 440 - 441 - 151 - 150 - 1150 - 1154 ] Spess.= 90.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 347,348Muratura 12 - Nodi : [114 - 113 - 442 - 443 - 444 - 445 - 446 - 447 - 448 - 449 - 450 - 451 - 452 - 453 - 454 - 110 - 109 - 1109 - 1114 ] Spess.= 90.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i settiMuratura 26 - Nodi : [273 - 271 - 269 - 267 - 263 - 261 - 259 - 1260 - 1262 - 1265 - 1266 - 1268 - 1270 - 1274 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.031 [(2+3)-VII-4] : **Verificato**

Verifiche nel piano
Setto 350: Setto $\zeta_E$=1.031 [(2+3)-VII-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VII-4 | 2300 | 3671.0 | 60.0 | -358652 | -233158 | 224078 | 1 | 242612 | 4880589 | 1.0 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 350 | 2-3 | 230.0 | 3671.0 | 60.0 | 460.0 | 5424 | -363955 | 14347 | 80532 | 5.6 | 5.613 [2-3] |
| 350 | 7-8 | 230.0 | 3671.0 | 60.0 | 460.0 | 2354 | -363955 | 6227 | 80532 | 13 | 5.613 [2-3] |

Muratura 45 - Nodi : [1274 - 1270 - 1268 - 1266 - 1265 - 1262 - 1260 - 2260 - 2262 - 2265 - 2266 - 2268 - 2272 - 2274 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.984 [(2+3)-V-3] : **Non verificato**

Verifiche nel piano
Setto 351: Setto $\zeta_E$=0.984 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VII-4 | 6900 | 3671.0 | 60.0 | -139183 | -181315 | 56912 | 1 | 178899 | 2298313 | 0.986 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 351 | 2-3 | 690.0 | 3671.0 | 60.0 | 460.0 | 7587 | -140262 | 20068 | 37823 | 1.9 | 1.885 [2-3] |
| 351 | 7-8 | 690.0 | 3671.0 | 60.0 | 460.0 | 3293 | -140262 | 8710 | 37823 | 4.3 | 1.885 [2-3] |

Muratura 21 - Nodi : [191 - 189 - 188 - 455 - 456 - 457 - 458 - 459 - 460 - 461 - 462 - 463 - 464 - 465 - 466 - 467 - 185 - 184 - 182 - 468 - 469 - 470 - 471 - 472 - 473 - 474 - 475 - 476 - 477 - 478 - 479 - 480 - 179 - 178 - 176 - 175 - 1174 - 1176 - 1178 - 1180 - 1181 - 1183 - 1186 - 1187 - 1189 - 1190 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.156 [(2+3)-V-3] : **Verificato**

Verifiche nel piano
Setto 352: Setto $\zeta_E$=1.219 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 490.0 | 60.0 | -58944 | -29260 | 22153 | 1 | 35065 | 98428 | 1.2 |

Setto 353: Setto $\zeta_E$=1.219 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 610.0 | 60.0 | -76897 | -36692 | 30392 | 1 | 44464 | 156274 | 1.2 |

Setto 354: Setto $\zeta_E$=1.156 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 2300 | 521.7 | 60.0 | -59460 | -31821 | -10397 | 1 | 36557 | 108308 | 1.1 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 352 | 2-3 | 230.0 | 490.0 | 60.0 | 460.0 | 724 | -53995 | 1915 | 11474 | 6.0 | 5.991 [2-3] |
| 352 | 7-8 | 230.0 | 490.0 | 60.0 | 460.0 | 314 | -53995 | 831 | 11474 | 14 | 5.991 [2-3] |
| 353 | 2-3 | 230.0 | 610.0 | 60.0 | 460.0 | 901 | -74041 | 2384 | 15076 | 6.3 | 6.324 [2-3] |
| 353 | 7-8 | 230.0 | 610.0 | 60.0 | 460.0 | 391 | -74041 | 1035 | 15076 | 15 | 6.324 [2-3] |
| 354 | 2-3 | 230.0 | 521.7 | 60.0 | 460.0 | 771 | -58452 | 2039 | 12335 | 6.0 | 6.050 [2-3] |
| 354 | 7-8 | 230.0 | 521.7 | 60.0 | 460.0 | 335 | -58452 | 885 | 12335 | 14 | 6.050 [2-3] |

Muratura 40 - Nodi : [1190 - 1189 - 1187 - 1351 - 1352 - 1186 - 1183 - 1181 - 1353 - 1354 - 1180 - 1178 - 1382 - 2178 - 2183 - 2189 - 2190 - 1372 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.891 [(2+3)-V-3] : **Non verificato**

Verifiche nel piano
Setto 357: Setto $\zeta_E$=1.016 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-2 | 6900 | 510.0 | 60.0 | -13955 | 22472 | -16600 | 1 | 22940 | 33007 | 1.0 |

Setto 358: Setto $\zeta_E$=0.938 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 6900 | 650.0 | 60.0 | -32071 | -36190 | 65961 | 1 | 34122 | 90619 | 0.94 |

Setto 359: Setto $\zeta_E$=0.891 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 6900 | 295.4 | 60.0 | -9365 | -9115 | 15166 | 1 | 9169 | 12671 | 0.83 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 357 | 2-3 | 690.0 | 510.0 | 60.0 | 460.0 | 1054 | -23452 | 2788 | 6179 | 2.2 | 2.216 [2-3] |
| 357 | 7-8 | 690.0 | 510.0 | 60.0 | 460.0 | 457 | -23452 | 1210 | 6179 | 5.1 | 2.216 [2-3] |
| 358 | 2-3 | 690.0 | 650.0 | 60.0 | 460.0 | 1343 | -30761 | 3553 | 8072 | 2.3 | 2.272 [2-3] |
| 358 | 7-8 | 690.0 | 650.0 | 60.0 | 460.0 | 583 | -30761 | 1542 | 8072 | 5.2 | 2.272 [2-3] |
| 359 | 2-3 | 690.0 | 295.4 | 60.0 | 460.0 | 611 | -14525 | 1615 | 3790 | 2.3 | 2.347 [2-3] |
| 359 | 7-8 | 690.0 | 295.4 | 60.0 | 460.0 | 265 | -14525 | 701 | 3790 | 5.4 | 2.347 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 363Muratura 78 - Nodi : [1038 - 1045 - 1423 - 1424 - 1425 - 1426 - 1427 - 1428 - 1429 - 1430 - 1431 - 1432 - 1433 - 1434 - 1435 - 1080 - 1089 - 1377 - 2089 - 2038 - 1422 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.328 [(2+3)-IV-2] : **Non verificato**

Verifiche nel piano
Setto 362: Setto $\zeta_E$=0.328 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 63.1 | 50.0 | -19747 | -3908 | 2591 | 1 | 4092 | 37 | 0.01 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 362 | 2-3 | 690.0 | 63.1 | 50.0 | 460.0 | 114 | -10012 | 301 | 1241 | 4.1 | 4.119 [2-3] |
| 362 | 7-8 | 690.0 | 63.1 | 50.0 | 460.0 | 49 | -10012 | 131 | 1241 | 9.5 | 4.119 [2-3] |

Muratura 72 - Nodi : [1006 - 1016 - 1020 - 1376 - 2020 - 2006 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.328 [(2+3)-

VIII-3] : **Verificato**

Verifiche nel piano
Setto 365: Setto $\zeta_E$=1.328 [(2+3)-VIII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 6900 | 444.2 | 50.0 | -33654 | -17117 | 4144 | 1 | 23004 | 56758 | 1.3 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 365 | 2-3 | 690.0 | 444.2 | 50.0 | 460.0 | 802 | -32044 | 2122 | 6175 | 2.9 | 2.911 [2-3] |
| 365 | 7-8 | 690.0 | 444.2 | 50.0 | 460.0 | 348 | -32044 | 921 | 6175 | 6.7 | 2.911 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 366,367Muratura 76 - Nodi : [1020 - 1027 - 1436 - 1437 - 1033 - 1038 - 1422 - 2038 - 2033 - 2027 - 2020 - 1376 ] Spess.= 50.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i settiMuratura 98 - Nodi : [2085 - 2101 - 2287 - 2289 - 2106 - 2120 - 2126 - 2290 - 2291 - 2142 - 2161 - 2166 - 2288 - 2293 - 2171 - 2212 - 2229 - 2239 - 2292 - 2294 - 2244 - 2262 - 3261 - 3230 - 3086 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.443 [(2+3)-VII-3] : **Non verificato**

Verifiche nel piano
Setto 369: Setto $\zeta_E$=1.001 [(2+3)-II-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-II-4 | 10950 | 155.0 | 40.0 | -2618 | 3046 | -1412 | 1 | 3046 | 1893 | 1.0 |

Setto 370: Setto $\zeta_E$=1.023 [(2+3)-V-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-4 | 10950 | 270.0 | 40.0 | -11509 | 7692 | -5509 | 1 | 7907 | 12908 | 1.0 |

Setto 371: Setto $\zeta_E$=1.070 [(2+3)-V-4]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-4 | 10950 | 320.0 | 40.0 | -11579 | 9843 | -518 | 1 | 10540 | 15864 | 1.1 |

Setto 372: Setto $\zeta_E$=0.443 [(2+3)-VII-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 10950 | 345.0 | 40.0 | 1135 | 1600 | -4077 | 0 | 0 | 0 | 0.00 |

Setto 373: Setto $\zeta_E$=0.547 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 10950 | 253.9 | 40.0 | -7175 | -2492 | 10775 | 1 | 6169 | 8086 | 0.75 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 369 | 2-3 | 1095.0 | 155.0 | 40.0 | 350.0 | 259 | -4889 | 397 | 855 | 2.2 | 2.155 [2-3] |
| 369 | 7-8 | 1095.0 | 155.0 | 40.0 | 350.0 | 112 | -4889 | 172 | 855 | 5.0 | 2.155 [2-3] |
| 370 | 2-3 | 1095.0 | 270.0 | 40.0 | 350.0 | 451 | -10204 | 691 | 1735 | 2.5 | 2.509 [2-3] |
| 370 | 7-8 | 1095.0 | 270.0 | 40.0 | 350.0 | 196 | -10204 | 300 | 1735 | 5.8 | 2.509 [2-3] |
| 371 | 2-3 | 1095.0 | 320.0 | 40.0 | 350.0 | 535 | -11210 | 819 | 1930 | 2.4 | 2.356 [2-3] |
| 371 | 7-8 | 1095.0 | 320.0 | 40.0 | 350.0 | 232 | -11210 | 356 | 1930 | 5.4 | 2.356 [2-3] |
| 372 | 2-3 | 1095.0 | 345.0 | 40.0 | 350.0 | 577 | -9615 | 883 | 1710 | 1.9 | 1.936 [2-3] |
| 372 | 7-8 | 1095.0 | 345.0 | 40.0 | 350.0 | 250 | -9615 | 383 | 1710 | 4.5 | 1.936 [2-3] |
| 373 | 2-3 | 1095.0 | 253.9 | 40.0 | 350.0 | 424 | -11096 | 650 | 1834 | 2.8 | 2.822 [2-3] |
| 373 | 7-8 | 1095.0 | 253.9 | 40.0 | 350.0 | 184 | -11096 | 282 | 1834 | 6.5 | 2.822 [2-3] |

Muratura 94 - Nodi : [2002 - 2034 - 2085 - 3086 - 3001 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.516 [(2+3)-III-3] : **Verificato**

Verifiche nel piano
Setto 378: Setto $\zeta_E$=1.516 [(2+3)-III-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VI-1 | 10950 | 1072.5 | 40.0 | -26448 | -19309 | -8491 | 1 | 34618 | 127941 | 1.8 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 378 | 2-3 | 1095.0 | 1072.5 | 40.0 | 350.0 | 1793 | -26029 | 2746 | 4704 | 1.7 | 1.713 [2-3] |
| 378 | 7-8 | 1095.0 | 1072.5 | 40.0 | 350.0 | 778 | -26029 | 1192 | 4704 | 3.9 | 1.713 [2-3] |

Muratura 96 - Nodi : [2038 - 2089 - 3089 - 3038 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20

[kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.828 [(2+3)-IV-3] : **Non verificato**

Verifiche nel piano
Setto 379: Setto $\zeta_E$=0.828 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 10950 | 426.3 | 40.0 | -8137 | 15501 | 10984 | 1 | 12916 | 16029 | 0.83 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 379 | 2-3 | 1095.0 | 426.3 | 40.0 | 350.0 | 713 | -8547 | 1091 | 1573 | 1.4 | 1.442 [2-3] |
| 379 | 7-8 | 1095.0 | 426.3 | 40.0 | 350.0 | 309 | -8547 | 474 | 1573 | 3.3 | 1.442 [2-3] |

Attenzione: i seguenti setti non sono validi, probabilmente i setti hanno spessore inferiore al minimo imposto nel criterio di verifica oppure le murature cui appartengono sono troppo inclinate
Setti non validi: 380,381Muratura 95 - Nodi : [2020 - 2027 - 2280 - 2279 - 2033 - 2038 - 3038 - 3020 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - **Non verificato**

Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i setti
Nessuna sollecitazione nel piano per cui verificare !!! controllare i setti
Nessuna sollecitazione fuori piano per cui verificare !!! controllare i settiMuratura 93 - Nodi : [2006 - 2020 - 3020 - 3006 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.678 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano
Setto 383: Setto $\zeta_E$=0.678 [(2+3)-I-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 10950 | 444.2 | 40.0 | -711 | -1717 | 11960 | 1 | 10220 | 1569 | 0.13 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 383 | 2-3 | 1095.0 | 444.2 | 40.0 | 350.0 | 743 | -11905 | 1137 | 2128 | 1.9 | 1.871 [2-3] |
| 383 | 7-8 | 1095.0 | 444.2 | 40.0 | 350.0 | 322 | -11905 | 494 | 2128 | 4.3 | 1.871 [2-3] |

Muratura 97 - Nodi : [2089 - 2111 - 2157 - 2223 - 3224 - 3111 - 3089 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=1.001 [(2+3)-IV-3] : **Verificato**

Verifiche nel piano
Setto 384: Setto $\zeta_E$=1.001 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 10950 | 125.0 | 40.0 | -6467 | 3377 | -870 | 1 | 3378 | 3212 | 1.0 |

Setto 385: Setto $\zeta_E$=1.273 [(2+3)-IV-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-3 | 10950 | 305.0 | 40.0 | -10456 | 7442 | -1305 | 1 | 9418 | 13775 | 1.3 |

Setto 386: Setto $\zeta_E$=1.531 [(2+3)-IV-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 10950 | 412.4 | 40.0 | -12662 | -9318 | 99 | 1 | 14143 | 22926 | 1.5 |

Setto 387: Setto $\zeta_E$=1.184 [(2+3)-V-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-IV-2 | 10950 | 181.3 | 40.0 | -3490 | -2312 | 952 | 1 | 3669 | 2922 | 1.6 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 384 | 2-3 | 1095.0 | 125.0 | 40.0 | 350.0 | 209 | -6037 | 320 | 976 | 3.0 | 3.050 [2-3] |
| 384 | 7-8 | 1095.0 | 125.0 | 40.0 | 350.0 | 91 | -6037 | 139 | 976 | 7.0 | 3.050 [2-3] |
| 385 | 2-3 | 1095.0 | 305.0 | 40.0 | 350.0 | 510 | -10292 | 781 | 1783 | 2.3 | 2.283 [2-3] |
| 385 | 7-8 | 1095.0 | 305.0 | 40.0 | 350.0 | 221 | -10292 | 339 | 1783 | 5.3 | 2.283 [2-3] |
| 386 | 2-3 | 1095.0 | 412.4 | 40.0 | 350.0 | 689 | -12547 | 1056 | 2206 | 2.1 | 2.090 [2-3] |
| 386 | 7-8 | 1095.0 | 412.4 | 40.0 | 350.0 | 299 | -12547 | 458 | 2206 | 4.8 | 2.090 [2-3] |
| 387 | 2-3 | 1095.0 | 181.3 | 40.0 | 350.0 | 303 | -5703 | 464 | 998 | 2.2 | 2.151 [2-3] |
| 387 | 7-8 | 1095.0 | 181.3 | 40.0 | 350.0 | 132 | -5703 | 201 | 998 | 5.0 | 2.151 [2-3] |

Muratura 48 - Nodi : [2218 - 2220 - 2283 - 2281 - 2221 - 2223 - 2225 - 2284 - 2282 - 2227 - 2229 - 3230 - 3224 - 3217 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.184 [(2+3)-V-2] : **Non verificato**

Verifiche nel piano
Setto 395: Setto $\zeta_E$=0.262 [(2+3)-V-3]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-V-3 | 10950 | 465.0 | 40.0 | -9781 | -56632 | 7932 | 1 | 14417 | 20841 | 0.25 |

Setto 396: Setto $\zeta_E$=0.184 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-3 | 10950 | 116.9 | 40.0 | 267 | -8249 | -267 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 395 | 2-3 | 1095.0 | 465.0 | 40.0 | 350.0 | 777 | -11546 | 1190 | 2082 | 1.7 | 1.749 [2-3] |
| 395 | 7-8 | 1095.0 | 465.0 | 40.0 | 350.0 | 337 | -11546 | 517 | 2082 | 4.0 | 1.749 [2-3] |
| 396 | 2-3 | 1095.0 | 116.9 | 40.0 | 350.0 | 195 | -3712 | 299 | 649 | 2.2 | 2.168 [2-3] |
| 396 | 7-8 | 1095.0 | 116.9 | 40.0 | 350.0 | 85 | -3712 | 130 | 649 | 5.0 | 2.168 [2-3] |

Muratura 99 - Nodi : [2265 - 2241 - 2285 - 2286 - 2234 - 2218 - 2178 - 3177 - 3217 - 3264 ] Spess.= 40.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/$\gamma$MV/FC=6 [kg/cmq] fds=fk/$\gamma$MS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/$\gamma$MV/FC=4 fhdv=fhk/$\gamma$MS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.478 [(2+3)-V-2] : **Non verificato**

Verifiche nel piano
Setto 399: Setto $\zeta_E$=1.125 [(2+3)-VIII-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-VIII-2 | 10950 | 290.0 | 40.0 | -7009 | 4125 | -8405 | 1 | 7715 | 9188 | 1.1 |

Setto 400: Setto $\zeta_E$=0.478 [(2+3)-V-2]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 10950 | 282.1 | 40.0 | 284 | -288 | -1955 | 0 | 0 | 0 | 0.00 |

Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 399 | 2-3 | 1095.0 | 290.0 | 40.0 | 350.0 | 485 | -11428 | 742 | 1928 | 2.6 | 2.597 [2-3] |
| 399 | 7-8 | 1095.0 | 290.0 | 40.0 | 350.0 | 210 | -11428 | 322 | 1928 | 6.0 | 2.597 [2-3] |
| 400 | 2-3 | 1095.0 | 282.1 | 40.0 | 350.0 | 472 | -5475 | 722 | 1011 | 1.4 | 1.399 [2-3] |
| 400 | 7-8 | 1095.0 | 282.1 | 40.0 | 350.0 | 205 | -5475 | 313 | 1011 | 3.2 | 1.399 [2-3] |

Muratura 14 - Nodi : [122 - 114 - 1114 - 1115 - 1117 - 1121 ] Spess.= 60.0[cm] Crit.Prog. Muro_TufoVulcanico fk=20 [kg/cmq] fdv=fk/γMV/FC=6 [kg/cmq] fds=fk/γMS/FC=7 [kg/cmq] Nps=0[kg] HpProg. 12000[kg] fhdv=fhk/γMV/FC=4 fhdv=fhk/γMS/FC=6 - **Si** Ridistr. Taglio - $\zeta_E$=0.703 [(2+3)-I-2] : **Non verificato**

Verifiche nel piano

Setto 403: Setto $\zeta_E$=1.001 [(2+3)-I-1]

| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-1 | 2300 | 240.0 | 60.0 | -15837 | 9205 | -1310 | 1 | 9206 | 15685 | 1.0 |

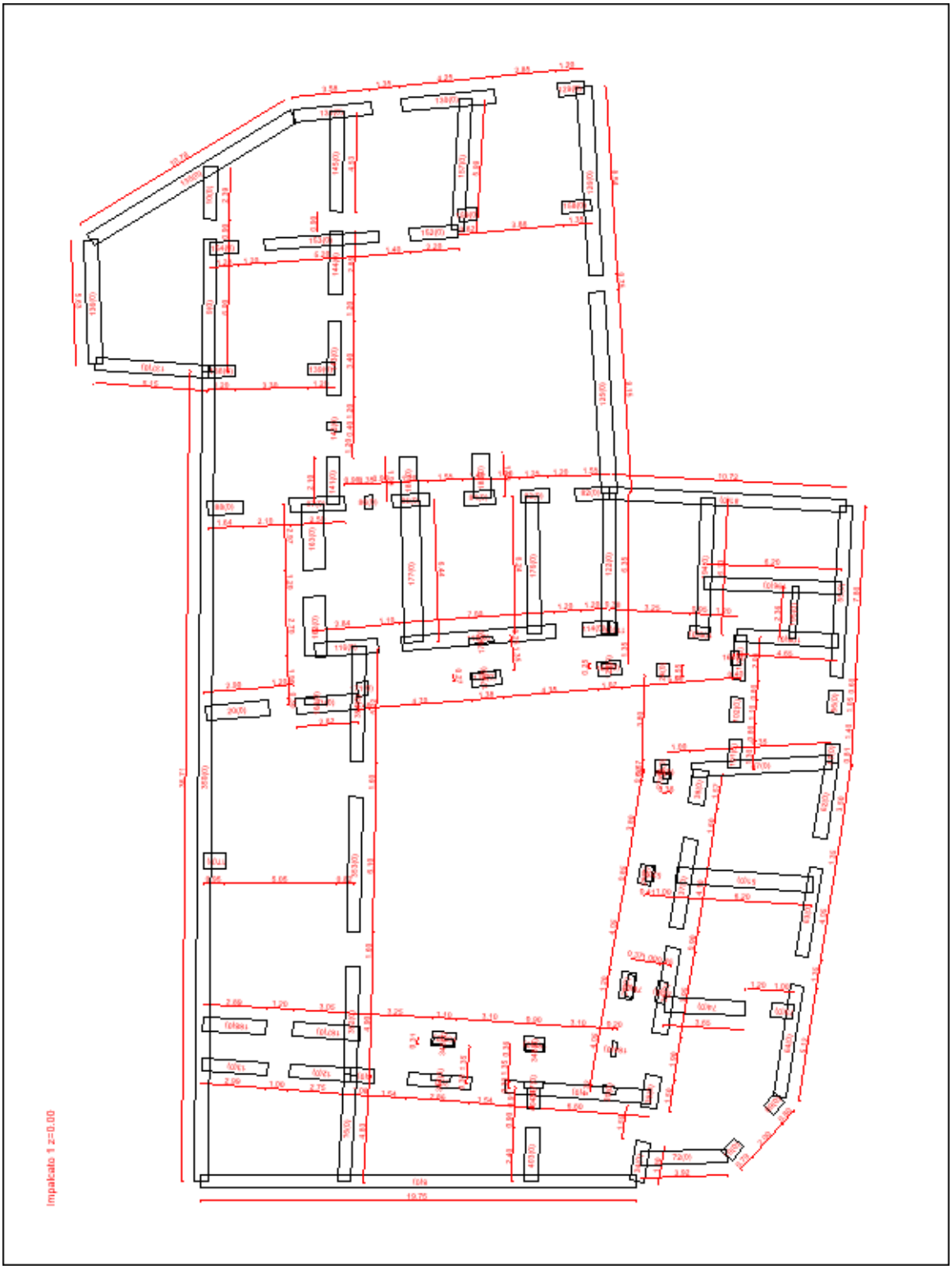
Setto 404: Setto $\zeta_E$=0.703 [(2+3)-I-2]

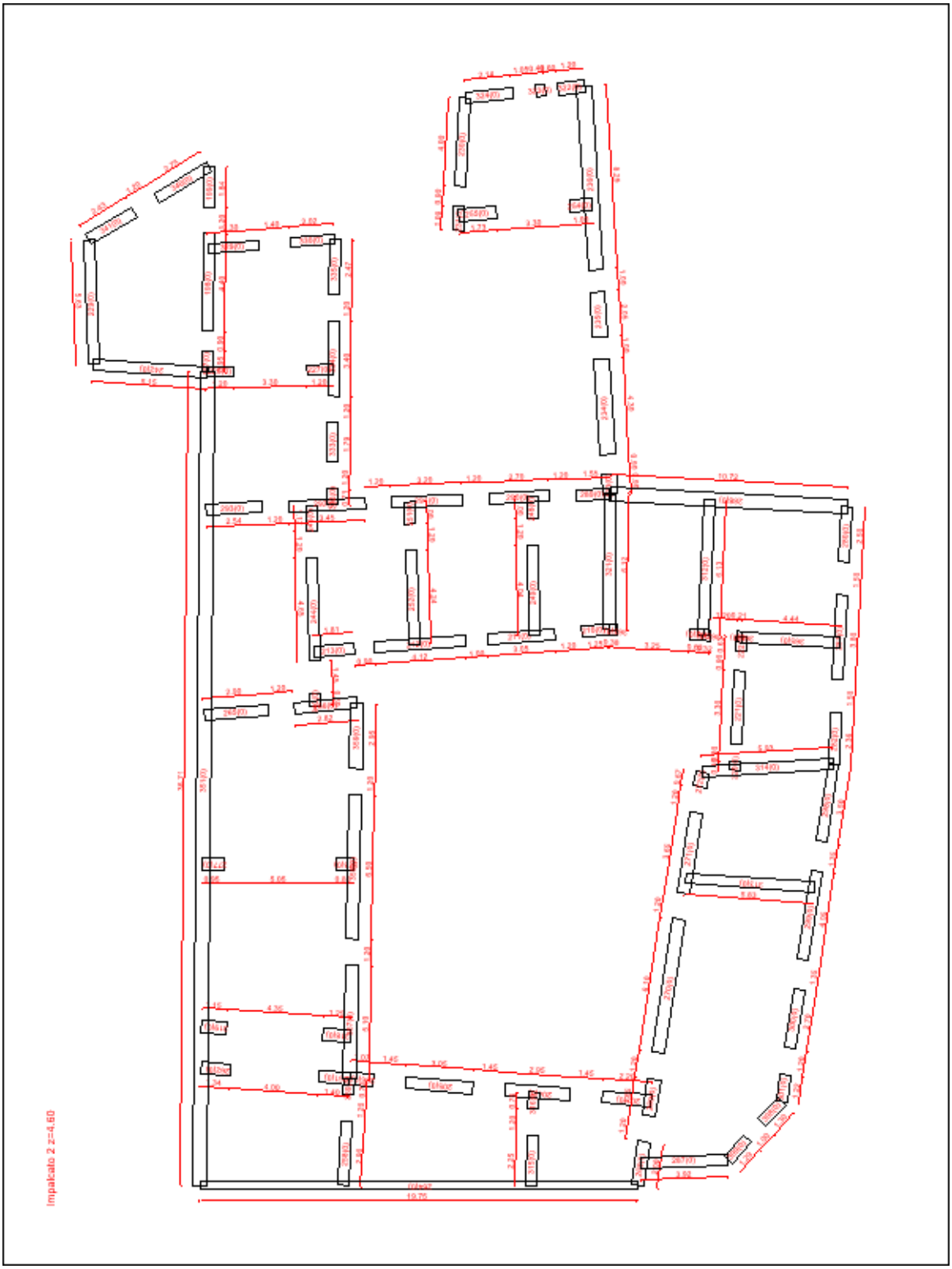
| Comb. | Z | L | t | N | Tx | My | ftd | Vt | Muy | CS |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | cm | cm | kg | kg | kg*m | kg/cmq | kg | kg*m | |
| (2+3)-I-2 | 2300 | 91.2 | 60.0 | -14879 | 6571 | -872 | 1 | 4920 | 3855 | 0.75 |

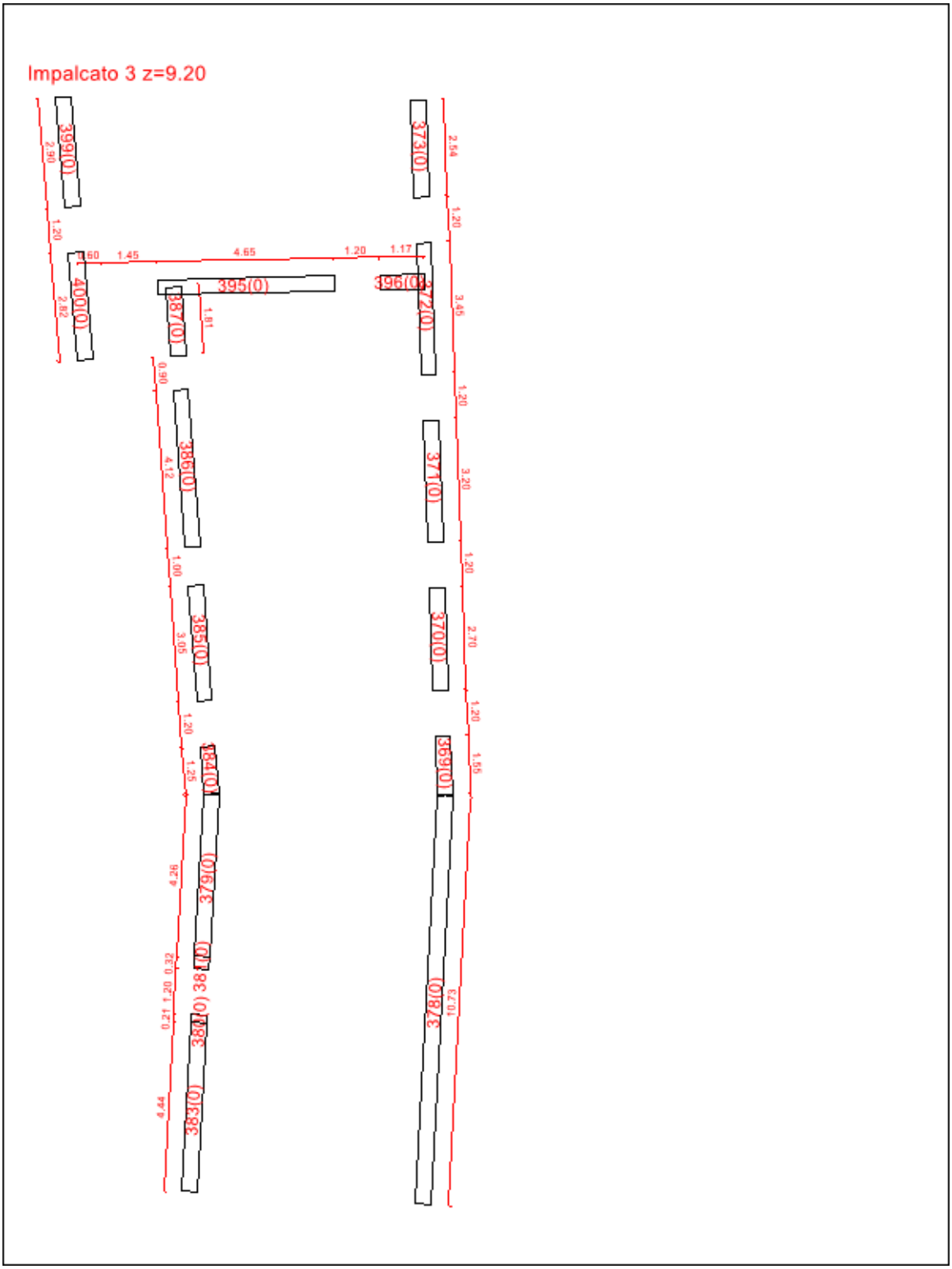
Verifiche fuori piano

| setto. | Comb. | ZG | L | t | H | Q | N | Mx | Mux | CS | $\zeta_E$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | cm | cm | cm | kg/m | kg | kg*m | kg*m | | |
| 403 | 2-3 | 230.0 | 240.0 | 60.0 | 460.0 | 355 | -20549 | 938 | 4768 | 5.1 | 5.083 [2-3] |
| 403 | 7-8 | 230.0 | 240.0 | 60.0 | 460.0 | 154 | -20549 | 407 | 4768 | 12 | 5.083 [2-3] |
| 404 | 2-3 | 230.0 | 91.2 | 60.0 | 460.0 | 135 | -10261 | 356 | 2161 | 6.1 | 6.064 [2-3] |
| 404 | 7-8 | 230.0 | 91.2 | 60.0 | 460.0 | 58 | -10261 | 155 | 2161 | 14 | 6.064 [2-3] |

## Piante dei setti




Impalcato 2 z=4.60




[Tabulati verifica RES SLD]

# Verifiche stato limite di esercizio

## Verifica delle travi (Stati limite esercizio)

Scenario di calcolo: **Scenario 2018**

**Simbologia**

| | |
|---|---|
| Terreno | Nome della stratigrafia per travi Winkler |
| L [cm] | Lunghezza teorica elemento (distanza tra i nodi) |
| Ln [cm] | Lunghezza netta elemento (tiene conto dei conci rigidi) |
| L2,L3 [cm] | Lunghezze libere di inflessione |
| Sez. R: Sezione Rettangolare | |
| | By[cm]: Larghezza (asse locale y) |
| | Bz[cm]: Larghezza (asse locale z) |
| Sez. T: Sezione a T (rovescia e non ) | |
| | Ba[cm]: Larghezza base inferiore |
| | Ha[cm]: Altezza inferiore |
| | Bs[cm]: Larghezza superiore |
| | Hs[cm]: Altezza superiore |
| Sez. L: Sezione ad L (rovescia e non) | |
| | Ba[cm]: Larghezza base inferiore |
| | Ha[cm]: Altezza inferiore |
| | Bs[cm]: Larghezza superiore |
| | Hs[cm]: Altezza superiore |
| Sez. C: Sezione circolare | |
| | R[cm]: Raggio |
| Sez. G: Sezione generica | |
| | B[cm]: Larghezza |
| | H[cm]: Altezza |
| X [cm] | Punto di verifica |
| σca [kg/cmq] | Tensione ammissibile nel cls |
| σfa [kg/cmq] | Tensione ammissibile nell'acciaio |
| σcta [kg/cmq] | Tensione ammissibile a trazione (quando richiesto dalla verifica) |
| M- [kg*m] | Momento negativo massimo di calcolo |
| M+ [kg*m] | Momento positivo massimo di calcolo |
| M [kg*m] | Momento di calcolo (travi a flessione, pilastri circolari |
| My [kg*m] | Momento calcolo per verifiche a pressoflessione |
| Mz [kg*m] | Momento calcolo per verifiche a pressoflessione (Sez. L,Pilastri) |
| N [kg] | Sforzo normale corrispondente ad My ( e Mz per Sez. L,Pilastri) |
| Afsup [cmq] | Area di ferro superiore |
| Afinf [cmq] | Area di ferro inferiore |
| Afsin [cmq] | Area di ferro sinistra (Sez. L) |
| Afdes [cmq] | Area di ferro destra (Sez. L) |
| σc- [kg/cmq] | Tensione nel cls compresso per effetto di M- |
| σcy [kg/cmq] | Tensione nel cls compresso per effetto di (N,My) in caso di pressoflessione retta |
| σcz [kg/cmq] | Tensione nel cls compresso per effetto di (N,Mz) in caso di pressoflessione retta |
| σc+ [kg/cmq] | Tensione nel cls compresso per effetto di M+ |
| σct- [kg/cmq] | Tensione nel cls teso per effetto di M- |
| σct+ [kg/cmq] | Tensione nel cls teso per effetto di M+ |
| σf- [kg/cmq] | Tensione nell'acciaio per effetto di M- |
| σf+ [kg/cmq] | Tensione nell'acciaio per effetto di M+ |
| σfy [kg/cmq] | Tensione nel acciaio per effetto di (N,My) in caso di pressoflessione retta |
| σfz [kg/cmq] | Tensione nel acciaio per effetto di (N,Mz) in caso di pressoflessione retta |
| Cb- | Combinazione di carico generatore di M- |
| Cb+ | Combinazione di carico generatore di M+ |
| σc [kg/cmq] | Tensione nel cls per effetto di N My |
| σf [kg/cmq] | Tensione nell'acciaio per effetto di N My |
| Cb | Combinazione di carico generatore di N My |
| Act [mq] | Area di calcestruzzo teso |
| Aft [cmq] | Area di acciaio teso |
| pAft [cm] | Perimetro area di acciaio teso |
| $S_{r,max}$ [cm] | Distanza massima delle fessure |
| σsfmed [kg/cmq] | Tensione media dell'acciaio |
| Wd [mm] | Apertura delle fessure |
| Wk [mm] | Apertura caratteristica delle fessure |
| Wamm_Freq [mm] | Apertura ammissibile delle fessure per combinazione Frequente |
| Wamm_Qp [mm] | Apertura ammissibile delle fessure per combinazione Quasi Permanente |

| | |
|---|---|
| Wamm_Rara [mm] | Apertura ammissibile delle fessure per combinazione Rara |
| Cs | Coefficiente di sicurezza definito come minimo di $\sigma$Amm/$\sigma$ tra acciaio e calcestruzzo oppure Wamm/Wk |

**Trave: 230 [1361,1362]**, Pilastrate [1057,1067] Sez. R: By=25.0 cm Bz=40.0 cm L=464.9 cm Ln=464.9 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1946 | 6.16 | 4.62 | -- | -- | -32 | 989 | 4 | 4 | Si | 3.6 |
| 46.5 | -- | 1162 | 4.62 | 4.62 | -- | -- | -21 | 779 | 4 | 4 | Si | 4.6 |
| 232.4 | 402 | -- | 4.62 | 4.62 | -7 | 269 | -- | -- | 4 | 4 | Si | 13 |
| 418.4 | -- | 569 | 4.62 | 4.62 | -- | -- | -10 | 382 | 4 | 4 | Si | 9.4 |
| 464.9 | -- | 1210 | 4.62 | 4.62 | -- | -- | -22 | 811 | 4 | 4 | Si | 4.4 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1617 | 6.16 | 4.62 | -- | -- | -26 | 822 | 6 | 6 | Si | 4.2 |
| 46.5 | -- | 969 | 4.62 | 4.62 | -- | -- | -18 | 650 | 6 | 6 | Si | 5.5 |
| 232.4 | 330 | -- | 4.62 | 4.62 | -6 | 221 | -- | -- | 6 | 6 | Si | 16 |
| 418.4 | -- | 450 | 4.62 | 4.62 | -- | -- | -8 | 302 | 6 | 6 | Si | 12 |
| 464.9 | -- | 971 | 4.62 | 4.62 | -- | -- | -18 | 651 | 6 | 6 | Si | 5.5 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 1619 | 0.0 | 6.16 | 17.59 | 17.6 | 823 | 0.041 | 0.041 | 5(Fr) | Si | 9.7 |
| 0.0 | 1617 | 0.0 | 6.16 | 17.59 | 17.6 | 822 | 0.041 | 0.041 | 6(Qp) | Si | 7.3 |
| 46.5 | 969 | 0.0 | 4.62 | 13.19 | 21.2 | 650 | 0.039 | 0.039 | 6(Qp) | Si | 7.6 |
| 46.5 | 971 | 0.0 | 4.62 | 13.19 | 21.2 | 651 | 0.039 | 0.039 | 5(Fr) | Si | 10 |
| 232.4 | -330 | 0.0 | 4.62 | 13.19 | 21.2 | 221 | 0.013 | 0.013 | 6(Qp) | Si | 22 |
| 232.4 | -330 | 0.0 | 4.62 | 13.19 | 21.2 | 221 | 0.013 | 0.013 | 5(Fr) | Si | 30 |
| 418.4 | 450 | 0.0 | 4.62 | 13.19 | 21.2 | 302 | 0.018 | 0.018 | 6(Qp) | Si | 16 |
| 418.4 | 449 | 0.0 | 4.62 | 13.19 | 21.2 | 301 | 0.018 | 0.018 | 5(Fr) | Si | 22 |
| 464.9 | 971 | 0.0 | 4.62 | 13.19 | 21.2 | 651 | 0.040 | 0.040 | 6(Qp) | Si | 7.6 |
| 464.9 | 970 | 0.0 | 4.62 | 13.19 | 21.2 | 650 | 0.039 | 0.039 | 5(Fr) | Si | 10 |

**Trave: 230 [1362,1363]**, Pilastrate [1067,1076] Sez. R: By=25.0 cm Bz=40.0 cm L=518.1 cm Ln=518.1 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1425 | 4.62 | 4.62 | -- | -- | -26 | 956 | 4 | 4 | Si | 3.8 |
| 51.8 | -- | 577 | 4.62 | 4.62 | -- | -- | -10 | 387 | 4 | 4 | Si | 9.3 |
| 259.0 | 824 | -- | 4.62 | 4.62 | -15 | 553 | -- | -- | 4 | 4 | Si | 6.5 |
| 466.3 | -- | 972 | 4.62 | 4.62 | -- | -- | -18 | 652 | 4 | 4 | Si | 5.5 |
| 518.1 | -- | 1924 | 4.62 | 4.62 | -- | -- | -35 | 1290 | 4 | 4 | Si | 2.8 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1150 | 4.62 | 4.62 | -- | -- | -21 | 771 | 6 | 6 | Si | 4.7 |
| 51.8 | -- | 462 | 4.62 | 4.62 | -- | -- | -8 | 310 | 6 | 6 | Si | 12 |
| 259.0 | 662 | -- | 4.62 | 4.62 | -12 | 444 | -- | -- | 6 | 6 | Si | 8.1 |
| 466.3 | -- | 832 | 4.62 | 4.62 | -- | -- | -15 | 558 | 6 | 6 | Si | 6.4 |
| 518.1 | -- | 1617 | 4.62 | 4.62 | -- | -- | -29 | 1084 | 6 | 6 | Si | 3.3 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 1148 | 0.0 | 4.62 | 13.19 | 21.2 | 770 | 0.047 | 0.047 | 5(Fr) | Si | 8.6 |
| 0.0 | 1150 | 0.0 | 4.62 | 13.19 | 21.2 | 771 | 0.047 | 0.047 | 6(Qp) | Si | 6.4 |
| 51.8 | 462 | 0.0 | 4.62 | 13.19 | 21.2 | 310 | 0.019 | 0.019 | 6(Qp) | Si | 16 |

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 51.8 | 460 | 0.0 | 4.62 | 13.19 | 21.2 | 308 | 0.019 | 0.019 | 5(Fr) | Si | 21 |
| 259.0 | -662 | 0.0 | 4.62 | 13.19 | 21.2 | 444 | 0.027 | 0.027 | 6(Qp) | Si | 11 |
| 259.0 | -662 | 0.0 | 4.62 | 13.19 | 21.2 | 444 | 0.027 | 0.027 | 5(Fr) | Si | 15 |
| 466.3 | 832 | 0.0 | 4.62 | 13.19 | 21.2 | 558 | 0.034 | 0.034 | 6(Qp) | Si | 8.9 |
| 466.3 | 835 | 0.0 | 4.62 | 13.19 | 21.2 | 560 | 0.034 | 0.034 | 5(Fr) | Si | 12 |
| 518.1 | 1617 | 0.0 | 4.62 | 13.19 | 21.2 | 1084 | 0.066 | 0.066 | 6(Qp) | Si | 4.6 |
| 518.1 | 1621 | 0.0 | 4.62 | 13.19 | 21.2 | 1087 | 0.066 | 0.066 | 5(Fr) | Si | 6.1 |

**Trave: 230 [1363,1364]**, Pilastrate [1076,1082] Sez. R: By=25.0 cm Bz=40.0 cm L=288.9 cm Ln=288.9 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 2422 | 8.64 | 6.16 | -- | -- | -34 | 887 | 4 | 4 | Si | 4.1 |
| 28.9 | -- | 1772 | 8.64 | 6.16 | -- | -- | -25 | 649 | 4 | 4 | Si | 5.5 |
| 144.5 | 198 | -- | 4.62 | 6.16 | -3 | 101 | -- | -- | 4 | 4 | Si | 36 |
| 260.0 | 1161 | -- | 4.62 | 6.16 | -19 | 590 | -- | -- | 4 | 4 | Si | 6.1 |
| 288.9 | 1244 | -- | 6.16 | 8.17 | -18 | 481 | -- | -- | 4 | 4 | Si | 7.5 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 2127 | 8.64 | 6.16 | -- | -- | -30 | 779 | 6 | 6 | Si | 3.8 |
| 28.9 | -- | 1563 | 8.64 | 6.16 | -- | -- | -22 | 572 | 6 | 6 | Si | 5.1 |
| 144.5 | 177 | -- | 4.62 | 6.16 | -3 | 90 | -- | -- | 6 | 6 | Si | 39 |
| 260.0 | 1093 | -- | 4.62 | 6.16 | -18 | 555 | -- | -- | 6 | 6 | Si | 6.3 |
| 288.9 | 1193 | -- | 6.16 | 8.17 | -17 | 461 | -- | -- | 6 | 6 | Si | 6.6 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 2136 | 0.0 | 8.64 | 23.25 | 15.1 | 782 | 0.034 | 0.034 | 5(Fr) | Si | 12 |
| 0.0 | 2127 | 0.0 | 8.64 | 23.25 | 15.1 | 779 | 0.034 | 0.034 | 6(Qp) | Si | 9.0 |
| 28.9 | 1563 | 0.0 | 8.64 | 23.25 | 15.1 | 572 | 0.025 | 0.025 | 6(Qp) | Si | 12 |
| 28.9 | 1570 | 0.0 | 8.64 | 23.25 | 15.1 | 575 | 0.025 | 0.025 | 5(Fr) | Si | 16 |
| 144.5 | -177 | 0.0 | 6.16 | 17.59 | 17.6 | 90 | 0.005 | 0.005 | 6(Qp) | Si | 66 |
| 144.5 | -179 | 0.0 | 6.16 | 17.59 | 17.6 | 91 | 0.005 | 0.005 | 5(Fr) | Si | 87 |
| 260.0 | -1093 | 0.0 | 6.16 | 17.59 | 17.6 | 555 | 0.028 | 0.028 | 6(Qp) | Si | 11 |
| 260.0 | -1104 | 0.0 | 6.16 | 17.59 | 17.6 | 561 | 0.028 | 0.028 | 5(Fr) | Si | 14 |
| 288.9 | -1193 | 0.0 | 8.17 | 22.62 | 15.3 | 461 | 0.020 | 0.020 | 6(Qp) | Si | 15 |
| 288.9 | -1206 | 0.0 | 8.17 | 22.62 | 15.3 | 466 | 0.020 | 0.020 | 5(Fr) | Si | 20 |

**Trave: 230 [1373,1361]**, Pilastrate [1053,1057] Sez. R: By=25.0 cm Bz=40.0 cm L=492.0 cm Ln=492.0 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 427 | 4.62 | 4.62 | -- | -- | -8 | 286 | 4 | 4 | Si | 13 |
| 49.2 | 547 | -- | 4.62 | 4.62 | -10 | 367 | -- | -- | 4 | 4 | Si | 9.8 |
| 246.0 | 1569 | -- | 4.62 | 4.62 | -28 | 1052 | -- | -- | 4 | 4 | Si | 3.4 |
| 442.8 | -- | 1935 | 6.16 | 4.62 | -- | -- | -32 | 983 | 4 | 4 | Si | 3.7 |
| 492.0 | -- | 3502 | 6.16 | 4.62 | -- | -- | -57 | 1780 | 4 | 4 | Si | 2.0 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 218 | 4.62 | 4.62 | -- | -- | -4 | 146 | 6 | 6 | Si | 25 |
| 49.2 | 519 | -- | 4.62 | 4.62 | -9 | 348 | -- | -- | 6 | 6 | Si | 10 |
| 246.0 | 1212 | -- | 4.62 | 4.62 | -22 | 813 | -- | -- | 6 | 6 | Si | 4.4 |

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 442.8 | -- | 1650 | 6.16 | 4.62 | -- | -- | -27 | 839 | 6 | 6 | Si | 4.1 |
| 492.0 | -- | 2910 | 6.16 | 4.62 | -- | -- | -48 | 1479 | 6 | 6 | Si | 2.4 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 214 | 0.0 | 4.62 | 13.19 | 21.2 | 143 | 0.009 | 0.009 | 5(Fr) | Si | 46 |
| 0.0 | 218 | 0.0 | 4.62 | 13.19 | 21.2 | 146 | 0.009 | 0.009 | 6(Qp) | Si | 34 |
| 49.2 | -519 | 0.0 | 4.62 | 13.19 | 21.2 | 348 | 0.021 | 0.021 | 6(Qp) | Si | 14 |
| 49.2 | -522 | 0.0 | 4.62 | 13.19 | 21.2 | 350 | 0.021 | 0.021 | 5(Fr) | Si | 19 |
| 246.0 | -1212 | 0.0 | 4.62 | 13.19 | 21.2 | 813 | 0.049 | 0.049 | 6(Qp) | Si | 6.1 |
| 246.0 | -1212 | 0.0 | 4.62 | 13.19 | 21.2 | 813 | 0.049 | 0.049 | 5(Fr) | Si | 8.1 |
| 442.8 | 1650 | 0.0 | 6.16 | 17.59 | 17.6 | 839 | 0.042 | 0.042 | 6(Qp) | Si | 7.1 |
| 442.8 | 1654 | 0.0 | 6.16 | 17.59 | 17.6 | 840 | 0.042 | 0.042 | 5(Fr) | Si | 9.5 |
| 492.0 | 2910 | 0.0 | 6.16 | 17.59 | 17.6 | 1479 | 0.078 | 0.078 | 6(Qp) | Si | 3.9 |
| 492.0 | 2914 | 0.0 | 6.16 | 17.59 | 17.6 | 1481 | 0.078 | 0.078 | 5(Fr) | Si | 5.1 |

**Trave: 231 [1364,1365]**, Pilastrate [1082,1109] Sez. R: By=25.0 cm Bz=40.0 cm L=368.5 cm Ln=368.5 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | 516 | -- | 4.62 | 6.16 | -8 | 262 | -- | -- | 4 | 4 | Si | 14 |
| 36.9 | 728 | -- | 4.62 | 4.62 | -13 | 488 | -- | -- | 4 | 4 | Si | 7.4 |
| 184.3 | 475 | -- | 4.62 | 4.62 | -9 | 319 | -- | -- | 4 | 4 | Si | 11 |
| 331.7 | -- | 1534 | 6.63 | 4.62 | -- | -- | -24 | 726 | 4 | 4 | Si | 5.0 |
| 368.5 | -- | 2309 | 8.17 | 4.62 | -- | -- | -34 | 895 | 4 | 4 | Si | 4.0 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | 513 | -- | 4.62 | 6.16 | -8 | 261 | -- | -- | 6 | 6 | Si | 13 |
| 36.9 | 665 | -- | 4.62 | 4.62 | -12 | 446 | -- | -- | 6 | 6 | Si | 8.1 |
| 184.3 | 379 | -- | 4.62 | 4.62 | -7 | 254 | -- | -- | 6 | 6 | Si | 14 |
| 331.7 | -- | 1332 | 6.63 | 4.62 | -- | -- | -21 | 631 | 6 | 6 | Si | 5.3 |
| 368.5 | -- | 1982 | 8.17 | 4.62 | -- | -- | -30 | 768 | 6 | 6 | Si | 3.8 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -528 | 0.0 | 6.16 | 17.59 | 17.6 | 268 | 0.013 | 0.013 | 5(Fr) | Si | 30 |
| 0.0 | -513 | 0.0 | 6.16 | 17.59 | 17.6 | 261 | 0.013 | 0.013 | 6(Qp) | Si | 23 |
| 36.9 | -665 | 0.0 | 4.62 | 13.19 | 21.2 | 446 | 0.027 | 0.027 | 6(Qp) | Si | 11 |
| 36.9 | -676 | 0.0 | 4.62 | 13.19 | 21.2 | 453 | 0.028 | 0.028 | 5(Fr) | Si | 15 |
| 184.3 | -379 | 0.0 | 4.62 | 13.19 | 21.2 | 254 | 0.015 | 0.015 | 6(Qp) | Si | 19 |
| 184.3 | -377 | 0.0 | 4.62 | 13.19 | 21.2 | 253 | 0.015 | 0.015 | 5(Fr) | Si | 26 |
| 331.7 | 1332 | 0.0 | 6.63 | 18.22 | 17.2 | 631 | 0.031 | 0.031 | 6(Qp) | Si | 9.7 |
| 331.7 | 1346 | 0.0 | 6.63 | 18.22 | 17.2 | 637 | 0.031 | 0.031 | 5(Fr) | Si | 13 |
| 368.5 | 1982 | 0.0 | 8.17 | 22.62 | 15.2 | 768 | 0.033 | 0.033 | 6(Qp) | Si | 9.0 |
| 368.5 | 1999 | 0.0 | 8.17 | 22.62 | 15.2 | 775 | 0.034 | 0.034 | 5(Fr) | Si | 12 |

**Trave: 231 [1365,1366]**, Pilastrate [1109,1150] Sez. R: By=25.0 cm Bz=40.0 cm L=416.3 cm Ln=416.3 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1366 | 6.16 | 4.62 | -- | -- | -22 | 694 | 4 | 4 | Si | 5.2 |
| 41.6 | -- | 766 | 6.16 | 4.62 | -- | -- | -13 | 390 | 4 | 4 | Si | 9.2 |
| 208.2 | 247 | -- | 4.62 | 4.62 | -4 | 165 | -- | -- | 4 | 4 | Si | 22 |

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 374.7 | -- | 949 | 7.70 | 4.62 | -- | -- | -14 | 389 | 4 | 4 | Si | 9.2 |
| 416.3 | -- | 1592 | 7.70 | 4.62 | -- | -- | -24 | 653 | 4 | 4 | Si | 5.5 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1133 | 6.16 | 4.62 | -- | -- | -19 | 576 | 6 | 6 | Si | 6.0 |
| 41.6 | -- | 646 | 6.16 | 4.62 | -- | -- | -11 | 328 | 6 | 6 | Si | 11 |
| 208.2 | 173 | -- | 4.62 | 4.62 | -3 | 116 | -- | -- | 6 | 6 | Si | 31 |
| 374.7 | -- | 804 | 7.70 | 4.62 | -- | -- | -12 | 330 | 6 | 6 | Si | 9.2 |
| 416.3 | -- | 1328 | 7.70 | 4.62 | -- | -- | -20 | 545 | 6 | 6 | Si | 5.5 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 1135 | 0.0 | 6.16 | 17.59 | 17.6 | 577 | 0.029 | 0.029 | 5(Fr) | Si | 14 |
| 0.0 | 1133 | 0.0 | 6.16 | 17.59 | 17.6 | 576 | 0.029 | 0.029 | 6(Qp) | Si | 10 |
| 41.6 | 646 | 0.0 | 6.16 | 17.59 | 17.6 | 328 | 0.017 | 0.017 | 6(Qp) | Si | 18 |
| 41.6 | 650 | 0.0 | 6.16 | 17.59 | 17.6 | 330 | 0.017 | 0.017 | 5(Fr) | Si | 24 |
| 208.2 | -173 | 0.0 | 4.62 | 13.19 | 21.2 | 116 | 0.007 | 0.007 | 6(Qp) | Si | 43 |
| 208.2 | -164 | 0.0 | 4.62 | 13.19 | 21.2 | 110 | 0.007 | 0.007 | 5(Fr) | Si | 60 |
| 374.7 | 804 | 0.0 | 7.70 | 21.99 | 15.5 | 330 | 0.015 | 0.015 | 6(Qp) | Si | 21 |
| 374.7 | 817 | 0.0 | 7.70 | 21.99 | 15.5 | 335 | 0.015 | 0.015 | 5(Fr) | Si | 27 |
| 416.3 | 1328 | 0.0 | 7.70 | 21.99 | 15.5 | 545 | 0.024 | 0.024 | 6(Qp) | Si | 12 |
| 416.3 | 1342 | 0.0 | 7.70 | 21.99 | 15.5 | 551 | 0.024 | 0.024 | 5(Fr) | Si | 16 |

**Trave: 231 [1366,1369]**, Pilastrate [1150,--] Sez. R: By=25.0 cm Bz=40.0 cm L=418.7 cm Ln=418.7 cm
Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 2905 | 9.24 | 4.62 | -- | -- | -42 | 1001 | 4 | 4 | Si | 3.6 |
| 41.9 | -- | 1939 | 7.70 | 4.62 | -- | -- | -30 | 796 | 4 | 4 | Si | 4.5 |
| 209.4 | 543 | -- | 4.62 | 4.62 | -10 | 364 | -- | -- | 4 | 4 | Si | 9.9 |
| 376.8 | 824 | -- | 4.62 | 4.62 | -15 | 553 | -- | -- | 4 | 4 | Si | 6.5 |
| 418.7 | 552 | -- | 4.62 | 6.16 | -9 | 281 | -- | -- | 4 | 4 | Si | 13 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 2511 | 9.24 | 4.62 | -- | -- | -36 | 866 | 6 | 6 | Si | 3.1 |
| 41.9 | -- | 1700 | 7.70 | 4.62 | -- | -- | -26 | 698 | 6 | 6 | Si | 4.3 |
| 209.4 | 418 | -- | 4.62 | 4.62 | -8 | 280 | -- | -- | 6 | 6 | Si | 13 |
| 376.8 | 744 | -- | 4.62 | 4.62 | -13 | 499 | -- | -- | 6 | 6 | Si | 7.2 |
| 418.7 | 547 | -- | 4.62 | 6.16 | -9 | 278 | -- | -- | 6 | 6 | Si | 13 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 2566 | 0.0 | 9.24 | 26.39 | 14.1 | 885 | 0.036 | 0.036 | 5(Fr) | Si | 11 |
| 0.0 | 2511 | 0.0 | 9.24 | 26.39 | 14.1 | 866 | 0.035 | 0.035 | 6(Qp) | Si | 8.6 |
| 41.9 | 1700 | 0.0 | 7.70 | 21.99 | 15.5 | 698 | 0.031 | 0.031 | 6(Qp) | Si | 9.7 |
| 41.9 | 1746 | 0.0 | 7.70 | 21.99 | 15.5 | 716 | 0.032 | 0.032 | 5(Fr) | Si | 13 |
| 209.4 | -418 | 0.0 | 4.62 | 13.19 | 21.2 | 280 | 0.017 | 0.017 | 6(Qp) | Si | 18 |
| 209.4 | -411 | 0.0 | 4.62 | 13.19 | 21.2 | 276 | 0.017 | 0.017 | 5(Fr) | Si | 24 |
| 376.8 | -744 | 0.0 | 4.62 | 13.19 | 21.2 | 499 | 0.030 | 0.030 | 6(Qp) | Si | 9.9 |
| 376.8 | -776 | 0.0 | 4.62 | 13.19 | 21.2 | 520 | 0.032 | 0.032 | 5(Fr) | Si | 13 |
| 418.7 | -547 | 0.0 | 6.16 | 17.59 | 17.6 | 278 | 0.014 | 0.014 | 6(Qp) | Si | 21 |
| 418.7 | -588 | 0.0 | 6.16 | 17.59 | 17.6 | 299 | 0.015 | 0.015 | 5(Fr) | Si | 27 |

**Trave: 232 [1373,1374]**, Pilastrate [1053,1091] Sez. R: By=25.0 cm Bz=40.0 cm L=248.6 cm Ln=248.3 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | 2255 | -- | 8.64 | 10.05 | -28 | 710 | -- | -- | 4 | 4 | Si | 5.1 |
| 24.8 | 1891 | -- | 8.64 | 8.04 | -25 | 739 | -- | -- | 4 | 4 | Si | 4.9 |
| 124.1 | 22 | -- | 4.62 | 8.04 | -0 | 9 | -- | -- | 4 | 4 | Si | >100 |
| 223.4 | -- | 2541 | 6.16 | 8.04 | -- | -- | -37 | 1286 | 4 | 4 | Si | 2.8 |
| 248.3 | -- | 3295 | 8.17 | 8.04 | -- | -- | -44 | 1269 | 4 | 4 | Si | 2.8 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | 2114 | -- | 8.64 | 10.05 | -26 | 666 | -- | -- | 6 | 6 | Si | 4.3 |
| 24.8 | 1767 | -- | 8.64 | 8.04 | -23 | 690 | -- | -- | 6 | 6 | Si | 4.8 |
| 124.1 | 33 | -- | 4.62 | 8.04 | -1 | 13 | -- | -- | 6 | 6 | Si | >100 |
| 223.4 | -- | 2272 | 6.16 | 8.04 | -- | -- | -33 | 1150 | 6 | 6 | Si | 3.1 |
| 248.3 | -- | 2941 | 8.17 | 8.04 | -- | -- | -39 | 1133 | 6 | 6 | Si | 2.8 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -2136 | 0.0 | 10.05 | 25.13 | 14.5 | 673 | 0.028 | 0.028 | 5(Fr) | Si | 14 |
| 0.0 | -2114 | 0.0 | 10.05 | 25.13 | 14.5 | 666 | 0.028 | 0.028 | 6(Qp) | Si | 11 |
| 24.8 | -1767 | 0.0 | 8.04 | 20.11 | 16.4 | 690 | 0.032 | 0.032 | 6(Qp) | Si | 9.3 |
| 24.8 | -1785 | 0.0 | 8.04 | 20.11 | 16.4 | 697 | 0.033 | 0.033 | 5(Fr) | Si | 12 |
| 124.1 | -33 | 0.0 | 8.04 | 20.11 | 16.1 | 13 | 0.001 | 0.001 | 6(Qp) | Si | >100 |
| 124.1 | -36 | 0.0 | 8.04 | 20.11 | 16.1 | 14 | 0.001 | 0.001 | 5(Fr) | Si | >100 |
| 223.4 | 2272 | 0.0 | 6.16 | 17.59 | 17.9 | 1150 | 0.059 | 0.059 | 6(Qp) | Si | 5.1 |
| 223.4 | 2285 | 0.0 | 6.16 | 17.59 | 17.9 | 1156 | 0.059 | 0.059 | 5(Fr) | Si | 6.8 |
| 248.3 | 2941 | 0.0 | 8.17 | 22.62 | 15.4 | 1133 | 0.050 | 0.050 | 6(Qp) | Si | 6.0 |
| 248.3 | 2958 | 0.0 | 8.17 | 22.62 | 15.4 | 1139 | 0.051 | 0.051 | 5(Fr) | Si | 7.9 |

**Trave: 232 [1374,1375]**, Pilastrate [1091,1129] Sez. R: By=25.0 cm Bz=40.0 cm L=564.8 cm Ln=564.8 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 2107 | 6.16 | 4.02 | -- | -- | -35 | 1072 | 4 | 4 | Si | 3.4 |
| 56.5 | -- | 1043 | 4.62 | 4.02 | -- | -- | -19 | 700 | 4 | 4 | Si | 5.1 |
| 282.4 | 809 | -- | 4.62 | 4.02 | -15 | 620 | -- | -- | 4 | 4 | Si | 5.8 |
| 508.3 | -- | 1206 | 9.24 | 4.02 | -- | -- | -18 | 416 | 4 | 4 | Si | 8.4 |
| 564.8 | -- | 2317 | 9.24 | 4.02 | -- | -- | -34 | 800 | 4 | 4 | Si | 4.4 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 1788 | 6.16 | 4.02 | -- | -- | -30 | 910 | 6 | 6 | Si | 3.8 |
| 56.5 | -- | 910 | 4.62 | 4.02 | -- | -- | -17 | 611 | 6 | 6 | Si | 5.9 |
| 282.4 | 634 | -- | 4.62 | 4.02 | -12 | 486 | -- | -- | 6 | 6 | Si | 7.4 |
| 508.3 | -- | 982 | 9.24 | 4.02 | -- | -- | -14 | 339 | 6 | 6 | Si | 7.8 |
| 564.8 | -- | 1882 | 9.24 | 4.02 | -- | -- | -28 | 650 | 6 | 6 | Si | 4.1 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 1787 | 0.0 | 6.16 | 17.59 | 17.6 | 909 | 0.046 | 0.046 | 5(Fr) | Si | 8.8 |
| 0.0 | 1788 | 0.0 | 6.16 | 17.59 | 17.6 | 910 | 0.046 | 0.046 | 6(Qp) | Si | 6.6 |
| 56.5 | 910 | 0.0 | 4.62 | 13.19 | 21.2 | 611 | 0.037 | 0.037 | 6(Qp) | Si | 8.1 |

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 56.5 | 911 | 0.0 | 4.62 | 13.19 | 21.2 | 611 | 0.037 | 0.037 | 5(Fr) | Si | 11 |
| 282.4 | -634 | 0.0 | 4.02 | 10.05 | 25.6 | 486 | 0.035 | 0.035 | 6(Qp) | Si | 8.5 |
| 282.4 | -630 | 0.0 | 4.02 | 10.05 | 25.6 | 483 | 0.035 | 0.035 | 5(Fr) | Si | 11 |
| 508.3 | 982 | 0.0 | 9.24 | 26.39 | 14.1 | 339 | 0.014 | 0.014 | 6(Qp) | Si | 22 |
| 508.3 | 989 | 0.0 | 9.24 | 26.39 | 14.1 | 341 | 0.014 | 0.014 | 5(Fr) | Si | 29 |
| 564.8 | 1882 | 0.0 | 9.24 | 26.39 | 14.1 | 650 | 0.026 | 0.026 | 6(Qp) | Si | 11 |
| 564.8 | 1889 | 0.0 | 9.24 | 26.39 | 14.1 | 652 | 0.026 | 0.026 | 5(Fr) | Si | 15 |

**Trave: 232 [1384,1375]**, Pilastrate [1176,1129] Sez. R: By=25.0 cm Bz=40.0 cm L=575.0 cm Ln=575.0 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 739 | 6.16 | 4.62 | -- | -- | -12 | 376 | 4 | 4 | Si | 9.6 |
| 57.5 | 161 | -- | 4.62 | 4.62 | -3 | 108 | -- | -- | 4 | 4 | Si | 33 |
| 287.5 | 1196 | -- | 4.62 | 4.62 | -22 | 802 | -- | -- | 4 | 4 | Si | 4.5 |
| 517.5 | -- | 1848 | 9.24 | 4.62 | -- | -- | -27 | 637 | 4 | 4 | Si | 5.6 |
| 575.0 | -- | 3243 | 9.24 | 4.62 | -- | -- | -47 | 1118 | 4 | 4 | Si | 3.2 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | -- | 552 | 6.16 | 4.62 | -- | -- | -9 | 280 | 6 | 6 | Si | 12 |
| 57.5 | 168 | -- | 4.62 | 4.62 | -3 | 113 | -- | -- | 6 | 6 | Si | 32 |
| 287.5 | 960 | -- | 4.62 | 4.62 | -17 | 643 | -- | -- | 6 | 6 | Si | 5.6 |
| 517.5 | -- | 1577 | 9.24 | 4.62 | -- | -- | -23 | 544 | 6 | 6 | Si | 4.9 |
| 575.0 | -- | 2729 | 9.24 | 4.62 | -- | -- | -39 | 941 | 6 | 6 | Si | 2.9 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | 534 | 0.0 | 6.16 | 17.59 | 17.6 | 272 | 0.014 | 0.014 | 5(Fr) | Si | 29 |
| 0.0 | 552 | 0.0 | 6.16 | 17.59 | 17.6 | 280 | 0.014 | 0.014 | 6(Qp) | Si | 21 |
| 57.5 | -168 | 0.0 | 4.62 | 13.19 | 21.2 | 113 | 0.007 | 0.007 | 6(Qp) | Si | 44 |
| 57.5 | -182 | 0.0 | 4.62 | 13.19 | 21.2 | 122 | 0.007 | 0.007 | 5(Fr) | Si | 54 |
| 287.5 | -960 | 0.0 | 4.62 | 13.19 | 21.2 | 643 | 0.039 | 0.039 | 6(Qp) | Si | 7.7 |
| 287.5 | -957 | 0.0 | 4.62 | 13.19 | 21.2 | 642 | 0.039 | 0.039 | 5(Fr) | Si | 10 |
| 517.5 | 1577 | 0.0 | 9.24 | 26.39 | 14.1 | 544 | 0.022 | 0.022 | 6(Qp) | Si | 14 |
| 517.5 | 1596 | 0.0 | 9.24 | 26.39 | 14.1 | 550 | 0.022 | 0.022 | 5(Fr) | Si | 18 |
| 575.0 | 2729 | 0.0 | 9.24 | 26.39 | 14.1 | 941 | 0.038 | 0.038 | 6(Qp) | Si | 7.9 |
| 575.0 | 2751 | 0.0 | 9.24 | 26.39 | 14.1 | 948 | 0.038 | 0.038 | 5(Fr) | Si | 10 |

**Trave: 233 [1382,1384]**, Pilastrate [--,1176] Sez. R: By=25.0 cm Bz=40.0 cm L=53.3 cm Ln=53.3 cm Criterio: CLS_TraviAlte_ND

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | 563 | -- | 6.16 | 4.62 | -10 | 377 | -- | -- | 4 | 4 | Si | 9.5 |
| 5.3 | 337 | -- | 6.16 | 4.62 | -6 | 225 | -- | -- | 4 | 4 | Si | 16 |
| 26.7 | -- | 577 | 6.16 | 4.62 | -- | -- | -9 | 293 | 4 | 4 | Si | 12 |
| 48.0 | -- | 1503 | 6.16 | 4.62 | -- | -- | -25 | 764 | 4 | 4 | Si | 4.7 |
| 53.3 | -- | 1737 | 6.16 | 4.62 | -- | -- | -28 | 883 | 4 | 4 | Si | 4.1 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | kg*m | cmq | cmq | kg/cmq | kg/cmq | kg/cmq | kg/cmq | | | | |
| 0.0 | 535 | -- | 6.16 | 4.62 | -9 | 358 | -- | -- | 6 | 6 | Si | 10 |
| 5.3 | 331 | -- | 6.16 | 4.62 | -6 | 222 | -- | -- | 6 | 6 | Si | 16 |
| 26.7 | -- | 493 | 6.16 | 4.62 | -- | -- | -8 | 251 | 6 | 6 | Si | 14 |

| X | M+ | M- | Afsup | Afinf | σc+ | σf+ | σc- | σf- | Cb+ | Cb-. | Ver. | CS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48.0 | -- | 1330 | 6.16 | 4.62 | -- | -- | -22 | 676 | 6 | 6 | Si | 5.1 |
| 53.3 | -- | 1540 | 6.16 | 4.62 | -- | -- | -25 | 783 | 6 | 6 | Si | 4.4 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | M | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -540 | 0.0 | 4.62 | 13.19 | 21.4 | 362 | 0.022 | 0.022 | 5(Fr) | Si | 18 |
| 0.0 | -535 | 0.0 | 4.62 | 13.19 | 21.4 | 358 | 0.022 | 0.022 | 6(Qp) | Si | 14 |
| 5.3 | -331 | 0.0 | 4.62 | 13.19 | 21.4 | 222 | 0.014 | 0.014 | 6(Qp) | Si | 22 |
| 5.3 | -329 | 0.0 | 4.62 | 13.19 | 21.4 | 220 | 0.013 | 0.013 | 5(Fr) | Si | 30 |
| 26.7 | 493 | 0.0 | 6.16 | 17.59 | 17.6 | 251 | 0.013 | 0.013 | 6(Qp) | Si | 24 |
| 26.7 | 523 | 0.0 | 6.16 | 17.59 | 17.6 | 266 | 0.013 | 0.013 | 5(Fr) | Si | 30 |
| 48.0 | 1330 | 0.0 | 6.16 | 17.59 | 17.6 | 676 | 0.034 | 0.034 | 6(Qp) | Si | 8.8 |
| 48.0 | 1387 | 0.0 | 6.16 | 17.59 | 17.6 | 705 | 0.035 | 0.035 | 5(Fr) | Si | 11 |
| 53.3 | 1540 | 0.0 | 6.16 | 17.59 | 17.6 | 783 | 0.039 | 0.039 | 6(Qp) | Si | 7.6 |
| 53.3 | 1605 | 0.0 | 6.16 | 17.59 | 17.6 | 816 | 0.041 | 0.041 | 5(Fr) | Si | 9.7 |

# Verifica dei pilastri (Stati limite esercizio)

Scenario di calcolo: **Scenario 2018**

**Simbologia**

Terreno — Nome della stratigrafia per travi Winkler
L [cm] — Lunghezza teorica elemento (distanza tra i nodi)
Ln [cm] — Lunghezza netta elemento (tiene conto dei conci rigidi)
L2,L3 [cm] — Lunghezze libere di inflessione
Sez. R: Sezione Rettangolare
By[cm]: Larghezza (asse locale y)
Bz[cm]: Larghezza (asse locale z)
Sez. T: Sezione a T (rovescia e non )
Ba[cm]: Larghezza base inferiore
Ha[cm]: Altezza inferiore
Bs[cm]: Larghezza superiore
Hs[cm]: Altezza superiore
Sez. L: Sezione ad L (rovescia e non)
Ba[cm]: Larghezza base inferiore
Ha[cm]: Altezza inferiore
Bs[cm]: Larghezza superiore
Hs[cm]: Altezza superiore
Sez. C: Sezione circolare
R[cm]: Raggio
Sez. G: Sezione generica
B[cm]: Larghezza
H[cm]: Altezza
X [cm] — Punto di verifica
σca [kg/cmq] — Tensione ammissibile nel cls
σfa [kg/cmq] — Tensione ammissibile nell'acciaio
σcta [kg/cmq] — Tensione ammissibile a trazione (quando richiesto dalla verifica)
M- [kg*m] — Momento negativo massimo di calcolo
M+ [kg*m] — Momento positivo massimo di calcolo
M [kg*m] — Momento di calcolo (travi a flessione, pilastri circolari
My [kg*m] — Momento calcolo per verifiche a pressoflessione
Mz [kg*m] — Momento calcolo per verifiche a pressoflessione (Sez. L,Pilastri)
N [kg] — Sforzo normale corrispondente ad My ( e Mz per Sez. L,Pilastri)
Afsup [cmq] — Area di ferro superiore
Afinf [cmq] — Area di ferro inferiore
Afsin [cmq] — Area di ferro sinistra (Sez. L)

| | |
|---|---|
| Afdes [cmq] | Area di ferro destra (Sez. L) |
| σc- [kg/cmq] | Tensione nel cls compresso per effetto di M- |
| σcy [kg/cmq] | Tensione nel cls compresso per effetto di (N,My) in caso di pressoflessione retta |
| σcz [kg/cmq] | Tensione nel cls compresso per effetto di (N,Mz) in caso di pressoflessione retta |
| σc+ [kg/cmq] | Tensione nel cls compresso per effetto di M+ |
| σct- [kg/cmq] | Tensione nel cls teso per effetto di M- |
| σct+ [kg/cmq] | Tensione nel cls teso per effetto di M+ |
| σf- [kg/cmq] | Tensione nell'acciaio per effetto di M- |
| σf+ [kg/cmq] | Tensione nell'acciaio per effetto di M+ |
| σfy [kg/cmq] | Tensione nel acciaio per effetto di (N,My) in caso di pressoflessione retta |
| σfz [kg/cmq] | Tensione nel acciaio per effetto di (N,Mz) in caso di pressoflessione retta |
| Cb- | Combinazione di carico generatore di M- |
| Cb+ | Combinazione di carico generatore di M+ |
| σc [kg/cmq] | Tensione nel cls per effetto di N My |
| σf [kg/cmq] | Tensione nell'acciaio per effetto di N My |
| Cb | Combinazione di carico generatore di N My |
| Act [mq] | Area di calcestruzzo teso |
| Aft [cmq] | Area di acciaio teso |
| pAft [cm] | Perimetro area di acciaio teso |
| $S_{r,max}$ [cm] | Distanza massima delle fessure |
| σsfmed [kg/cmq] | Tensione media dell'acciaio |
| Wd [mm] | Apertura delle fessure |
| Wk [mm] | Apertura caratteristica delle fessure |
| Wamm_Freq [mm] | Apertura ammissibile delle fessure per combinazione Frequente |
| Wamm_Qp [mm] | Apertura ammissibile delle fessure per combinazione Quasi Permanente |
| Wamm_Rara [mm] | Apertura ammissibile delle fessure per combinazione Rara |
| Cs | Coefficiente di sicurezza definito come minimo di σAmm/σ tra acciaio e calcestruzzo oppure Wamm/Wk |

**Pilastro: 1053 [1053,1373]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 2808 | 158738 | 0.018 | 48.497 | 187.963 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -2808 | -325 | 2494 | -36 | 631 | 4 | Si | 4.2 |
| 350.0 | -1824 | -137 | -2523 | -30 | 613 | 4 | Si | 5.0 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -2060 | -321 | 2328 | -34 | 618 | 6 | Si | 3.3 |
| 350.0 | -1076 | -19 | -2281 | -23 | 542 | 6 | Si | 4.8 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -2043 | -326 | 2360 | 0.0 | 12.97 | 29.28 | 14.3 | 394 | 0.016 | 0.016 | 5(Fr) | Si | 25 |
| 0.0 | -2060 | -321 | 2328 | 0.0 | 12.96 | 29.26 | 14.3 | 387 | 0.016 | 0.016 | 6(Qp) | Si | 19 |
| 350.0 | -1076 | -19 | -2281 | 0.0 | 13.03 | 29.44 | 14.4 | 405 | 0.017 | 0.017 | 6(Qp) | Si | 18 |
| 350.0 | -1058 | -16 | -2301 | 0.0 | 13.03 | 29.45 | 14.4 | 409 | 0.017 | 0.017 | 5(Fr) | Si | 24 |

**Pilastro: 1057 [1057,1361]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 6258 | 158738 | 0.039 | 48.497 | 125.913 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -6258 | -718 | -405 | -25 | 231 | 4 | Si | 6.0 |
| 350.0 | -5273 | -67 | 1576 | -24 | 342 | 4 | Si | 6.2 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -5262 | -705 | -341 | -24 | 256 | 6 | Si | 4.7 |
| 350.0 | -4278 | -43 | 1310 | -20 | 286 | 6 | Si | 5.7 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -5265 | -721 | -339 | 0.0 | 8.29 | 17.59 | 16.4 | 206 | 0.010 | 0.010 | 5(Fr) | Si | 42 |
| 0.0 | -5262 | -705 | -341 | 0.0 | 8.29 | 17.59 | 16.3 | 196 | 0.009 | 0.009 | 6(Qp) | Si | 33 |
| 350.0 | -4278 | -43 | 1310 | 0.0 | 8.51 | 18.13 | 16.6 | 150 | 0.007 | 0.007 | 6(Qp) | Si | 42 |
| 350.0 | -4280 | -42 | 1312 | 0.0 | 8.51 | 18.14 | 16.6 | 151 | 0.007 | 0.007 | 5(Fr) | Si | 56 |

**Pilastro: 1067 [1067,1362]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 4361 | 158738 | 0.027 | 48.497 | 150.824 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -4361 | -746 | 231 | -23 | 304 | 4 | Si | 6.4 |
| 350.0 | -3377 | -31 | -213 | -5 | -9 | 4 | Si | 31 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -3732 | -715 | 229 | -22 | 316 | 6 | Si | 5.0 |
| 350.0 | -2747 | -22 | -177 | -4 | -7 | 6 | Si | 28 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -3730 | -733 | 233 | 0.0 | 8.29 | 17.59 | 17.4 | 285 | 0.014 | 0.014 | 5(Fr) | Si | 28 |
| 0.0 | -3732 | -715 | 229 | 0.0 | 8.29 | 17.59 | 17.3 | 273 | 0.013 | 0.013 | 6(Qp) | Si | 22 |
| 350.0 | -2747 | -22 | -177 | 0.0 | 0.00 | 0.00 | 0.0 | 0 | 0.000 | 0.000 | 6(Qp) | Si | >100 |
| 350.0 | -2745 | -22 | -177 | 0.0 | 0.00 | 0.00 | 0.0 | 0 | 0.000 | 0.000 | 5(Fr) | Si | >100 |

**Pilastro: 1076 [1076,1363]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 5372 | 158738 | 0.034 | 48.497 | 135.898 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -5372 | -709 | 613 | -27 | 296 | 4 | Si | 5.6 |
| 350.0 | -4388 | 73 | -517 | -9 | 26 | 4 | Si | 17 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -4697 | -670 | 574 | -25 | 295 | 6 | Si | 4.4 |
| 350.0 | -3713 | 65 | -527 | -9 | 41 | 6 | Si | 13 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -4706 | -691 | 585 | 0.0 | 10.50 | 23.10 | 14.7 | 190 | 0.008 | 0.008 | 5(Fr) | Si | 50 |
| 0.0 | -4697 | -670 | 574 | 0.0 | 10.46 | 23.02 | 14.7 | 180 | 0.008 | 0.008 | 6(Qp) | Si | 40 |
| 350.0 | -3713 | 65 | -527 | 0.0 | 9.18 | 19.81 | 12.2 | 27 | 0.001 | 0.001 | 6(Qp) | Si | >100 |
| 350.0 | -3721 | 68 | -533 | 0.0 | 9.21 | 19.87 | 12.3 | 28 | 0.001 | 0.001 | 5(Fr) | Si | >100 |

**Pilastro: 1082 [1082,1364]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 6.03 | Afz = 0.00 |
| 350.0 | AfSpigolo = 3.14 | Afy = 6.03 | Afz = 0.00 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 2225 | 158738 | 0.014 | 48.497 | 211.184 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -2225 | -258 | 1325 | -23 | 395 | 4 | Si | 6.4 |
| 350.0 | -1240 | 283 | -1320 | -24 | 445 | 4 | Si | 6.3 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -1765 | -210 | 1270 | -21 | 384 | 6 | Si | 5.2 |
| 350.0 | -780 | 255 | -1221 | -22 | 426 | 6 | Si | 5.2 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -1748 | -217 | 1298 | 0.0 | 14.07 | 32.04 | 13.7 | 178 | 0.007 | 0.007 | 5(Fr) | Si | 57 |
| 0.0 | -1765 | -210 | 1270 | 0.0 | 14.04 | 31.97 | 13.7 | 201 | 0.008 | 0.008 | 6(Qp) | Si | 38 |
| 350.0 | -780 | 255 | -1221 | 0.0 | 14.53 | 33.18 | 13.8 | 199 | 0.008 | 0.008 | 6(Qp) | Si | 38 |
| 350.0 | -764 | 263 | -1233 | 0.0 | 14.54 | 33.22 | 13.8 | 202 | 0.008 | 0.008 | 5(Fr) | Si | 50 |

**Pilastro: 1091 [1091,1374]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 6208 | 158738 | 0.039 | 48.497 | 126.412 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -6208 | -1199 | 615 | -38 | 509 | 4 | Si | 3.9 |
| 350.0 | -5224 | 145 | -1179 | -17 | 156 | 4 | Si | 8.6 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -5482 | -1136 | 574 | -36 | 498 | 6 | Si | 3.1 |
| 350.0 | -4498 | 171 | -1142 | -17 | 179 | 6 | Si | 6.4 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -5496 | -1156 | 581 | 0.0 | 13.16 | 29.77 | 13.7 | 282 | 0.011 | 0.011 | 5(Fr) | Si | 36 |
| 0.0 | -5482 | -1136 | 574 | 0.0 | 13.14 | 29.72 | 13.7 | 275 | 0.011 | 0.011 | 6(Qp) | Si | 28 |
| 350.0 | -4498 | 171 | -1142 | 0.0 | 12.12 | 27.16 | 13.1 | 114 | 0.004 | 0.004 | 6(Qp) | Si | 70 |
| 350.0 | -4512 | 175 | -1159 | 0.0 | 12.14 | 27.20 | 13.1 | 117 | 0.004 | 0.004 | 5(Fr) | Si | 91 |

**Pilastro: 1109 [1109,1365]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 4844 | 158738 | 0.031 | 48.497 | 143.105 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -4844 | 670 | 569 | -25 | 288 | 4 | Si | 6.0 |
| 350.0 | -3860 | -147 | -935 | -16 | 166 | 4 | Si | 9.5 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -4171 | 645 | 514 | -24 | 293 | 6 | Si | 4.7 |
| 350.0 | -3187 | -137 | -842 | -14 | 163 | 6 | Si | 7.9 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -4177 | 660 | 521 | 0.0 | 10.57 | 23.28 | 14.8 | 191 | 0.008 | 0.008 | 5(Fr) | Si | 50 |
| 0.0 | -4171 | 645 | 514 | 0.0 | 10.55 | 23.23 | 14.8 | 184 | 0.008 | 0.008 | 6(Qp) | Si | 39 |
| 350.0 | -3187 | -137 | -842 | 0.0 | 10.27 | 22.54 | 14.4 | 103 | 0.004 | 0.004 | 6(Qp) | Si | 71 |
| 350.0 | -3193 | -139 | -857 | 0.0 | 10.29 | 22.58 | 14.4 | 107 | 0.004 | 0.004 | 5(Fr) | Si | 91 |

**Pilastro: 1129 [1129,1375]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 2.01 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 5814 | 158738 | 0.037 | 48.497 | 130.632 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -5814 | -1125 | -1015 | -43 | 603 | 4 | Si | 3.5 |
| 350.0 | -4829 | -31 | 927 | -13 | 97 | 4 | Si | 12 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -4937 | -1058 | -951 | -41 | 592 | 6 | Si | 2.8 |
| 350.0 | -3952 | -20 | 848 | -11 | 102 | 6 | Si | 9.8 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -4945 | -1078 | -967 | 0.0 | 10.86 | 24.00 | 15.2 | 396 | 0.017 | 0.017 | 5(Fr) | Si | 23 |
| 0.0 | -4937 | -1058 | -951 | 0.0 | 10.85 | 23.98 | 15.2 | 386 | 0.017 | 0.017 | 6(Qp) | Si | 18 |
| 350.0 | -3952 | -20 | 848 | 0.0 | 9.95 | 21.73 | 13.8 | 97 | 0.004 | 0.004 | 6(Qp) | Si | 79 |
| 350.0 | -3961 | -21 | 863 | 0.0 | 9.97 | 21.79 | 13.9 | 100 | 0.004 | 0.004 | 5(Fr) | Si | >100 |

**Pilastro: 1150 [1150,1366]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 4.02 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 5165 | 158738 | 0.033 | 48.497 | 138.591 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -5165 | 748 | -740 | -28 | 325 | 4 | Si | 5.3 |
| 350.0 | -4181 | -13 | 1317 | -15 | 185 | 4 | Si | 9.8 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -4447 | 707 | -675 | -26 | 321 | 6 | Si | 4.3 |
| 350.0 | -3463 | -17 | 1187 | -14 | 179 | 6 | Si | 8.2 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -4473 | 725 | -698 | 0.0 | 12.83 | 28.93 | 13.6 | 190 | 0.007 | 0.007 | 5(Fr) | Si | 54 |
| 0.0 | -4447 | 707 | -675 | 0.0 | 12.79 | 28.83 | 13.6 | 183 | 0.007 | 0.007 | 6(Qp) | Si | 42 |
| 350.0 | -3463 | -17 | 1187 | 0.0 | 12.39 | 27.83 | 13.5 | 118 | 0.005 | 0.005 | 6(Qp) | Si | 66 |
| 350.0 | -3489 | -16 | 1228 | 0.0 | 12.41 | 27.89 | 13.5 | 125 | 0.005 | 0.005 | 5(Fr) | Si | 83 |

**Pilastro: 1176 [1176,1384]** Sez. R: By=45.0 cm Bz=25.0 cm L=350.0 cm Ln=350.0 cm L2=350.0 cm L3=350.0 cm Criterio: CLS_Pilastri_ND

| Zona | Armature | | |
|---|---|---|---|
| cm | cmq | cmq | cmq |
| 0.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |
| 350.0 | AfSpigolo = 3.14 | Afy = 2.01 | Afz = 0.00 |

Verifica snellezza: fcd=141 [kg/cmq] - **Verificato**

| Cb | N | fcd*Ac | ν | λmax | λlim |
|---|---|---|---|---|---|
| | kg | kg | | | |
| 4 | 7157 | 158738 | 0.045 | 48.497 | 117.739 |

Combinazione Rara: σca[kg/cmq]=149 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -7157 | 105 | 535 | -12 | -2 | 4 | Si | 13 |
| 350.0 | -6172 | 90 | -1684 | -26 | 344 | 4 | Si | 5.7 |

Combinazione QP: σca[kg/cmq]=112 σfa[kg/cmq]=3600

| X | N | My | Mz | σc | σf | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | kg/cmq | kg/cmq | | | |
| 0.0 | -6381 | 105 | 448 | -10 | -3 | 6 | Si | 11 |
| 350.0 | -5397 | 17 | -1506 | -22 | 296 | 6 | Si | 5.2 |

Verifica aperture fessure:Wamm_Freq[mm]=0.400 Wamm_Qp[mm]=0.300

| X | N | My | Mz | Act | Aft | pAft | $S_{r,max}$ | σfmed | Wd | Wk | Cb | Ver. | Cs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | kg | kg*m | kg*m | mq | cmq | cm | cm | kg/cmq | mm | mm | | | |
| 0.0 | -6505 | 116 | 489 | 0.0 | 3.19 | 6.40 | 10.1 | 3 | 0.000 | 0.000 | 5(Fr) | Si | >100 |
| 0.0 | -6381 | 105 | 448 | 0.0 | 0.00 | 0.00 | 0.0 | 0 | 0.000 | 0.000 | 6(Qp) | Si | >100 |
| 350.0 | -5397 | 17 | -1506 | 0.0 | 8.42 | 17.90 | 16.4 | 154 | 0.007 | 0.007 | 6(Qp) | Si | 42 |
| 350.0 | -5521 | 4 | -1572 | 0.0 | 8.44 | 17.95 | 16.5 | 165 | 0.008 | 0.008 | 5(Fr) | Si | 52 |

Il Progettista