

COMUNE DI CASINA

PROVINCIA DI REGGIO EMILIA

| | |
|-------------|----------------------------|
| LOCALITÀ | CAPOLUOGO |
| COMMITTENTE | COMUNE DI CASINA |
| OGGETTO | COSTRUZIONE NUOVA PALESTRA |

RELAZIONE di CALCOLO sulle STRUTTURE BERLINESE

Studio Tecnico Ing. Gabriele Gaspari

Piazza Amendola, 16
42030 VILLA MINOZZO (R.E.)
Tel. e fax. 0522 801628
e-mail: gaspariegigli@gmail.com

IL TECNICO

2.4

CALCOLO DELLE SPINTE

Il programma BulkCAD calcola preliminarmente le spinte teoriche che agiscono esternamente alla paratia, e che verranno applicate direttamente al modello. Fanno parte di queste azioni la spinta litostatica verticale (che determina la componente orizzontale in base al coefficiente di spinta k), l'idrostatica della falda libera, le pressioni diffuse dai carichi verticali e l'incremento dinamico dovuto al sisma prodotto dal terreno e dalla falda libera.

Vengono inoltre trovate le pressioni limite, attive, passive ed a riposo (k_0) del terreno su entrambe i lati della paratia, necessarie per settare le molle elastoplastiche del modello che lo rappresentano.

Spinta iniziale del terreno in sito

Lo stato tensionale iniziale del terreno in sito, considerato come configurazione di partenza del sistema, è quello con spinta a riposo (at rest pressure), caratterizzata dal coefficiente di spinta k_0 . Quest'ultimo coefficiente rappresenta il rapporto caratteristico esistente nei terreni tra la tensione litostatica orizzontale e quella verticale in condizione indisturbata.

$$\sigma_h = k_0 \cdot \sigma_v$$

Il valore k_0 viene appunto chiamato *coefficiente di spinta a riposo* e dipende dalla natura del materiale, nonché dalla precisa storia tensionale subita dal terreno nel passato, e quindi anche dal livello di compattazione e dalle condizioni presenti in sito.

Il calcolo del coefficiente di spinta a riposo k_0 può essere condotto con relazioni empiriche solo nel caso di ammassi *normalconsolidati* (deposito recente assestatosi unicamente sotto il peso proprio, indicato in breve con NC) o ammassi in cui è noto a priori il *grado di sovraconsolidazione* (OCR). Una delle relazioni più note ed utilizzate nel caso di terreni normalconsolidati, specialmente nel caso dei granulari, è la legge di Jaky (1944):

$$K_0(NC) = \left(1 + \frac{2}{3} \sin \phi'\right) \cdot \left[\frac{1 - \sin \phi'}{1 + \sin \phi'}\right]$$

spesso usata, per la trascurabile differenza numerica, nella forma semplificata:

$$K_0(NC) = 1 - \sin \phi'$$

Numerose altre relazioni empiriche sono presenti in letteratura, la maggior parte create per poter valutare il coefficiente di spinta k_0 nei casi di terreni coesivi normalconsolidati (come le argille NC) mediante grandezze specifiche, come ad esempio gli indici plastici.

Una delle più note è quella di Alpan [1967]:

$$K_0(NC) = 10.19 + 0.233 \cdot \log_{10} I_p$$

dove I_p è l'indice plastico espresso in percentuale ed il logaritmo in base 10.

Per la valutazione delle varie relazioni empiriche si rimanda a testi specialistici di Geotecnica.

Nel caso infine di sovraconsolidazione dovuta a scarico del terreno, facendolo passare da uno stato normalconsolidato (NC) ad uno sovra consolidato (OC), viene spesso utilizzata una relazione empirica del tipo:

$$K_0(NC) = 10.19 + 0.233 \cdot \log_{10} I_p$$

In cui:

OCR = Over Consolidation Ratio, o indice di sovraconsolidazione.

α = esponente caratteristico del terreno in esame.

In tutti gli altri casi la pressione orizzontale può essere valutata in modo attendibile solamente attraverso una misurazione diretta in sito, mediante l'installazione di celle di carico oppure eseguendo prove geotecniche pressiometriche.

Anche l'incremento di spinta a riposo su un'opera di sostegno al crescere dell'angolo di inclinazione del pendio non è staticamente determinata; usualmente se ne tiene conto incrementando il valore teorico in funzione dell'angolo i del pendio:

$$K_0(i) = K_0 \cdot (1 + \sin i)$$

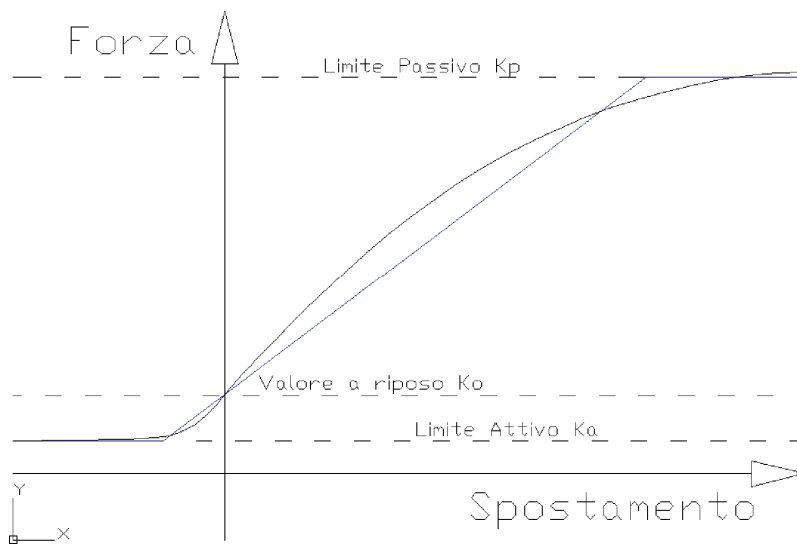
Il coefficiente di spinta a riposo k_0 utilizzato dal programma è quello dichiarato dall'utente per il terreno scelto nel DB dei terreni.

Spinta del terreno in condizioni statiche

La componente statica del terreno viene modellata mediante molle elastoplastiche precaricate dalla spinta a riposo (cfr. paragrafo precedente).

La spinta corrente generata dalla molla in un certo nodo dipende dagli spostamenti del sistema. Nella fase 0 (inizializzazione) essa parte dalla spinta a riposo e, se il solutore converge, si porta ad una nuova soluzione equilibrata del sistema. I suoi valori massimi e minimi non potranno superare i limiti plastici delle molle, impostati sul valore limite di spinta attiva e passiva (determinati dai coefficienti omonimi K_a e K_p).

L'immagine seguente mostra il tipico comportamento Forza/Spostamento esibito dal terreno a tergo di un'opera di sostegno; le molle elastoplastiche che lo rappresentano seguono la spezzata passante per il valore a riposo e delimitata dai limiti attivi e passivi.



Il valore dei coefficienti di spinta attiva e passiva K_a e K_p , che determinano poi i limiti plastici applicati alle molle, vengono calcolati in base al metodo selezionato nelle preferenze del Suolo.

13.3.2.1 Formulazione secondo Mononobe-Okabe

Scegliendo il metodo di calcolo delle spinte secondo Mononobe-Okabe i coefficienti di spinta attiva e passiva (K_a e K_p) sono calcolati come:

$$\begin{aligned}
 i \leq \phi - \theta: \quad K_a &= \frac{\sin^2(\psi + \phi - \theta)}{\cos \theta \cdot \sin^2 \psi \cdot \sin(\psi - \theta - \delta) \cdot \left[1 + \sqrt{\frac{\sin(\phi + \delta) \cdot \sin(\phi - i - \theta)}{\sin(\psi - \theta - \delta) \cdot \sin(\psi + i)}} \right]^2} \\
 i > \phi - \theta: \quad K_a &= \frac{\sin^2(\psi + \phi - \theta)}{\cos \theta \cdot \sin^2 \psi \cdot \sin(\psi - \theta - \delta)} \\
 K_p &= \frac{\sin^2(\psi + \phi - \theta)}{\cos \theta \cdot \sin^2 \psi \cdot \sin(\psi + \theta + \delta) \cdot \left[1 - \sqrt{\frac{\sin(\phi + \delta) \cdot \sin(\phi + i - \theta)}{\sin(\psi + i) \cdot \sin(\psi + \theta + \delta)}} \right]^2}
 \end{aligned}$$

dove

i = inclinazione dello strato rispetto all'orizzontale

ϕ = angolo d'attrito interno del terreno

δ = angolo d'inclinazione della spinta rispetto alla normale del paramento della paratia (ossia rispetto all'orizzontale)

ψ = angolo di inclinazione rispetto all'orizzontale della parete (in questo caso 90°).

θ = angolo di rotazione addizionale dovuto al sisma, definito come segue (0 nel caso statico)

$$\tan(\theta) = k_h$$

BERLINESE – BREVE TERMINE

Dati generali

Tipo di paratia: paratia di pali circolari accostati
Altezza totale della paratia: 6
Lunghezza totale della paratia: 27
Sezione di base in CLS: Circolare Circolare (D=40)
Tipo di CLS: C25/30
Tipo di armatura: B450C
Interasse tra le sezioni in c.a. della stessa fila: 0.65

Dati del sito

Descrizione: Stratigrafia
Quota del piano campagna: 0
Quota della falda: 100

Stratigrafia

| Dsc | Thk | Inc | StfMt | Afct | Bfct | Nfct |
|-----------------------|-----|-----|--------|------|------|------|
| Terreno di Fondazione | 3 | 0 | Bowles | | | |
| Sub strato roccioso | 27 | 0 | Bowles | | | |

Terreni presenti in sito

| Dsc | Fi | DIt | Cse | Cu | Ads | Gmn | Gms | K0 | Es | Ps | RQD | khor | kvrt |
|-----------------------|----|-----|------|------|-----|------|------|------|---------|-----|-----|-------|--------|
| Terreno di Fondazione | 21 | 14 | 750 | 5500 | 0.5 | 1900 | 1950 | 0.64 | 400000 | 0.4 | 0 | 0 | 0 |
| Sub strato roccioso | 30 | 20 | 7500 | 0 | 1 | 2100 | 2100 | 0.5 | 5000000 | 0.3 | 0 | 0.001 | 0.0001 |

Significato dei simboli utilizzati:

Dsc: descrizione del suolo
Thk: spessore dello strato [m]
Inc: inclinazione dello strato sull'orizzontale, positiva se antioraria [deg]
StfMt: metodo per la valutazione della rigidezza dello strato
Afct: fattore A della formulazione binomia della rigidezza ($k=A+B^n$)
Bfct: fattore B della formulazione binomia della rigidezza ($k=A+B^n$)
Nfct: fattore n della formulazione binomia della rigidezza ($k=A+B^n$)
Fi: angolo di attrito interno [deg]
DIt: angolo di attrito delta all'interfaccia paratia/suolo [deg]
Cse: coesione efficace [daN/m²]
Cu: coesione non drenata [daN/m²]
Ads: adesione della coesione all'interfaccia paratia/suolo
Gmn: peso specifico naturale del terreno in sito [daN/m³]
Gms: peso specifico saturo del terreno in sito [daN/m³]
K0: coefficiente di spinta a riposo
Es: modulo elastico del terreno [daN/m²]
Ps: modulo di Poisson del terreno
RQD: rock Quality Degree per terreni rocciosi (0 negli altri casi)
khor: permeabilità orizzontale [m/s]
kvrt: permeabilità verticale [m/s]

Preferenze generali

Preferenze sismiche di normativa

Azioni sismiche secondo la normativa: NTC18
Località: Reggio Nell'emilia, Casina; Altitudine s.l.m. 18.24 m
Coordinate geografiche: Latitudine ED50 44.5119° (44° 30' 43"); Longitudine ED50 10.4979° (10° 29' 52")
Vita nominale (P.2.4.1): 50 anni
Classe d'uso (P.2.4.2): III
Periodo di riferimento considerato: 75 anni
Probabilità di superamento per lo SLD: 63.00%
Accelerazione max al suolo per lo SLD: 0.079
Fattore di amplificazione spettrale Fo per lo SLD: 2.495
Probabilità di superamento per lo SLV: 10.00%
Accelerazione max al suolo per lo SLV: 0.18
Fattore di amplificazione spettrale per lo SLV: 2.495
Categoria del suolo (Tab.3.2.II): Suolo_C
Amplificazione stratigrafica Ss allo SLD (Tab.3.2.IV): 1.5
Amplificazione stratigrafica Ss allo SLV (Tab.3.2.IV): 1.43
Amplificazione topografica St (Tab.3.2.V): 1
Coefficiente di deformabilità alfa (Fig.7.11.2): 1
Coefficiente di spostamento beta (Fig.7.11.3): 0.68
Coefficiente di riduzione al sito betaS (Tab.7.11.I): 0.24
Coeff. sismico orizzontale SLV per struttura: 0.175
Coeff. sismico orizzontale SLV per valutazione della spinta nelle condizioni di equilibrio passivo: 0.175
Coeff. sismico verticale SLV per struttura: 0
Coeff. sismico orizzontale SLV per pendio: 0.062
Coeff. sismico verticale SLV per pendio: 0
Posizione della risultante: Metà dell'altezza
Tratto di applicazione del sisma: sulla parte a sbalzo

Preferenze per il calcolo delle sezioni in c.a.

Norma per la verifica strutturale: Stati limite D.M.14-01-2017
Verifica a taglio condotta con inclinazione variabile del traliccio di Moersh
Coefficiente Fi per viscosità del cls: 2
Tolleranza di posa armature: 0.01
Riduzione tau in cattiva aderenza: 0.7

Preferenze per il solutore ad elementi finiti

Metodo di risoluzione solutore: Tangente
Lunghezza massima di discretizzazione: 0.2
Numero massimo di iterazioni: 50
Tolleranza solutore: 0.0001

Preferenze geotecniche generali

Metodo di calcolo delle spinte terra: MononobeOkabe
Condizione di spinta considerata nel calcolo: BreveTermine
Ampiezza bulbo a destra (solo per calcolo rigidezze secondo bulbo tensioni): 1
Ampiezza bulbo a sinistra (solo per calcolo rigidezze secondo bulbo tensioni): 1

Preferenze per la verifica di stabilità globale

Metodo di calcolo stabilità globale: Bishop
Coeff. di sicurezza limite per stabilità globale: 1.3
Passo massimo dei conci: 1
Resistenza al taglio della paratia (solo per stabilità globale): 50000

Preferenze per le verifiche di stabilità locali

Metodo di calcolo portanza verticale: Vesic

Combinazioni e Fasi di carico

Tabella condizioni elementari di carico

| Descrizione | Nome breve | Durata | Psi0 | Psi1 | Psi2 |
|------------------------------------|------------|------------|------|------|------|
| Carichi permanenti | Perm. | Permanente | | | |
| Carichi permanenti non strutturali | Perm.P | Permanente | | | |
| Carichi variabili | Var. | Media | 0.7 | 0.5 | 0.3 |
| Carichi sismici orizzontali | Sis.h | Istantaneo | | | |
| Carichi sismici verticali | Sis.v | Istantaneo | | | |

Tabella combinazioni di calcolo

| Nome | Nome breve | Tipo | Prm | PrmP | Var | SisH | SisV |
|-------------|------------|-------|-----|------|-----|------|------|
| SLE rara | SLEr 1 | SLEr | 1 | 1 | 1 | 0 | 0 |
| SLE rara | SLEr 2 | SLEr | 1 | 1 | 0 | 0 | 0 |
| SLE fr | SLEf 1 | SLEf | 1 | 1 | 0.5 | 0 | 0 |
| SLE fr | SLEf 2 | SLEf | 1 | 1 | 0 | 0 | 0 |
| SLE qp | SLEqp 1 | SLEqp | 1 | 1 | 0.3 | 0 | 0 |
| SLE qp | SLEqp 2 | SLEqp | 1 | 1 | 0 | 0 | 0 |
| STR (A1+M1) | STR 1 | STR | 1.3 | 1.5 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 2 | STR | 1.3 | 1.5 | 0 | 0 | 0 |
| STR (A1+M1) | STR 3 | STR | 1.3 | 0 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 4 | STR | 1.3 | 0 | 0 | 0 | 0 |
| STR (A1+M1) | STR 5 | STR | 1 | 1.5 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 6 | STR | 1 | 1.5 | 0 | 0 | 0 |
| STR (A1+M1) | STR 7 | STR | 1 | 0 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 8 | STR | 1 | 0 | 0 | 0 | 0 |
| GEO (A2+M2) | GEO 1 | GEO | 1 | 1.3 | 1.3 | 0 | 0 |
| GEO (A2+M2) | GEO 2 | GEO | 1 | 1.3 | 0 | 0 | 0 |
| GEO (A2+M2) | GEO 3 | GEO | 1 | 0.8 | 1.3 | 0 | 0 |
| GEO (A2+M2) | GEO 4 | GEO | 1 | 0.8 | 0 | 0 | 0 |
| SLV (M1) | SLVm1 1 | SLVm1 | 1 | 1 | 0.3 | 1 | 1 |
| SLV (M1) | SLVm1 2 | SLVm1 | 1 | 1 | 0.3 | 1 | -1 |
| SLV (M1) | SLVm1 3 | SLVm1 | 1 | 1 | 0.3 | -1 | 1 |
| SLV (M1) | SLVm1 4 | SLVm1 | 1 | 1 | 0.3 | -1 | -1 |

Tabella fasi di calcolo

| Fase/gg | Operazione |
|---------|---|
| 0 | Scavo nullo di inizializzazione del terreno (Fase = 0) |
| 1 | Applicazione carico al suolo > uniforme (Lato = Destra; Pressione permanente = 30; Pressione permanente portato = 200; Pressione variabile = 500; Fase = 1) |
| 2 | Scavo del terreno (Spessore complessivo = 2.7; Lato = Sinistra; Fase = 2) |
| 3 | Inserimento delle spinte sismiche (Quota (Z) = 0; Ampiezza = 3.3; Fase = 3) |

Azioni esterne

Tabella carichi uniformi applicati sul pendio

| Da fase | A fase | Lato | ValP | ValPP | ValV |
|---------|--------|------|------|-------|------|
| 1 | ultima | dx | 30 | 200 | 500 |

Tabella carichi sismici applicati su paratia

| Da fase | A fase | Quota superiore | Quota inferiore |
|---------|--------|-----------------|-----------------|
| 3 | ultima | 0 | 3.3 |

Significato dei simboli utilizzati:

Descrizione: nome assegnato alla condizione elementare
Nome breve: nome breve assegnato alla condizione elementare
Durata: descrive la durata della condizione (necessario per strutture in legno)
Psi0: coefficiente moltiplicatore Psi0
Psi1: coefficiente moltiplicatore Psi1
Psi2: coefficiente moltiplicatore Psi2
Nome: nome assegnato alla combinazione di calcolo
Nome breve: nome breve assegnato alla combinazione di calcolo
Tipo: famiglia di appartenenza
Prm: coefficiente parziale applicato ai carichi permanenti
PrmP: coefficiente parziale applicato ai carichi permanenti non strutturali
Var: coefficiente parziale applicato ai carichi variabili
SisH: coefficiente parziale applicato ai carichi sismici orizzontali
SisV: coefficiente parziale applicato ai carichi sismici verticali
Fase/gg: fase di calcolo (giorno)
Operazione: operazione di costruzione eseguita in una certa fase
Da fase: prima fase in cui il carico è attivo
A fase: ultima fase in cui il carico è attivo
Lato: lato di applicazione del carico
ValP: valore del carico permanente (pressione) [daN/m²]

ValPP: valore del carico permanente portato (pressione) [daN/m²]
ValV: valore del carico variabile (pressione) [daN/m²]
Quota superiore: quota superiore di applicazione del carico [m]
Quota inferiore: quota inferiore di applicazione del carico [m]

Modello ad elementi finiti

Il modello è costituito da 30 aste delle seguenti caratteristiche:
Lunghezza: 0.2
Area: 0.125664
Area di taglio FEM: 0.113097
Momento di inerzia FEM: 0.00124058
Modulo elastico longitudinale E: 3144716100
Modulo elastico tangenziale G: 1429416409

La presenza del terreno è modellata da molle elastoplastiche precaricate poste nei nodi.

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M1

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|----|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 0 | 0 | 36422 | -731 | 0 | 0 | 36422 | -731 | 0 | 0 |
| 0.2 | 0 | 86776 | -1499 | 0 | 0 | 86776 | -1499 | 0 | 0 |
| 0.4 | 0 | 100708 | -1549 | 0 | 0 | 100708 | -1549 | 0 | 0 |
| 0.6 | 0 | 114641 | -1599 | 0 | 0 | 114641 | -1599 | 0 | 0 |
| 0.8 | 0 | 128573 | -1649 | 0 | 0 | 128573 | -1649 | 0 | 0 |
| 1 | 0 | 142505 | -1699 | 0 | 0 | 142505 | -1699 | 0 | 0 |
| 1.2 | 0 | 156438 | -1749 | 0 | 0 | 156438 | -1749 | 0 | 0 |
| 1.4 | 0 | 170370 | -1799 | 0 | 0 | 170370 | -1799 | 0 | 0 |
| 1.6 | 0 | 184303 | -1849 | 0 | 0 | 184303 | -1849 | 0 | 0 |
| 1.8 | 0 | 198235 | -1899 | 0 | 0 | 198235 | -1899 | 0 | 0 |
| 2 | 0 | 212168 | -1949 | 0 | 0 | 212168 | -1949 | 0 | 0 |
| 2.2 | 0 | 226100 | -1999 | 0 | 0 | 226100 | -1999 | 0 | 0 |
| 2.4 | 0 | 240032 | -2049 | 0 | 0 | 240032 | -2049 | 0 | 0 |
| 2.6 | 0 | 253965 | -2099 | 0 | 0 | 253965 | -2099 | 0 | 0 |
| 2.8 | 0 | 267897 | -2149 | 0 | 0 | 267897 | -2149 | 0 | 0 |
| 3 | 0 | 1827281 | -3951 | 0 | 0 | 1827281 | -3951 | 0 | 0 |
| 3.2 | 0 | 1867356 | -5840 | 0 | 0 | 1867356 | -5840 | 0 | 0 |
| 3.4 | 0 | 1907430 | -6006 | 0 | 0 | 1907430 | -6006 | 0 | 0 |
| 3.6 | 0 | 1947505 | -6172 | 0 | 0 | 1947505 | -6172 | 0 | 0 |
| 3.8 | 0 | 1987580 | -6338 | 0 | 0 | 1987580 | -6338 | 0 | 0 |
| 4 | 0 | 2027654 | -6504 | 0 | 0 | 2027654 | -6504 | 0 | 0 |
| 4.2 | 0 | 2067729 | -6670 | 0 | 0 | 2067729 | -6670 | 0 | 0 |
| 4.4 | 0 | 2107803 | -6836 | 0 | 0 | 2107803 | -6836 | 0 | 0 |
| 4.6 | 0 | 2147878 | -7002 | 0 | 0 | 2147878 | -7002 | 0 | 0 |
| 4.8 | 0 | 2187953 | -7168 | 0 | 0 | 2187953 | -7168 | 0 | 0 |
| 5 | 0 | 2228027 | -7334 | 0 | 0 | 2228027 | -7334 | 0 | 0 |
| 5.2 | 0 | 2268102 | -7500 | 0 | 0 | 2268102 | -7500 | 0 | 0 |
| 5.4 | 0 | 2308177 | -7665 | 0 | 0 | 2308177 | -7665 | 0 | 0 |
| 5.6 | 0 | 2348251 | -7831 | 0 | 0 | 2348251 | -7831 | 0 | 0 |
| 5.8 | 0 | 2388326 | -7997 | 0 | 0 | 2388326 | -7997 | 0 | 0 |
| 6 | 0 | 1214200 | -4061 | 0 | 0 | 1214200 | -4061 | 0 | 0 |
| 0 | 1 | 36422 | -731 | 0 | 0 | 36422 | -779 | 0 | 0 |
| 0.2 | 1 | 86776 | -1499 | 0 | 0 | 86776 | -1595 | 0 | 0 |
| 0.4 | 1 | 100708 | -1549 | 0 | 0 | 100708 | -1645 | 0 | 0 |
| 0.6 | 1 | 114641 | -1599 | 0 | 0 | 114641 | -1695 | 0 | 0 |
| 0.8 | 1 | 128573 | -1649 | 0 | 0 | 128573 | -1745 | 0 | 0 |
| 1 | 1 | 142505 | -1699 | 0 | 0 | 142505 | -1795 | 0 | 0 |
| 1.2 | 1 | 156438 | -1749 | 0 | 0 | 156438 | -1845 | 0 | 0 |
| 1.4 | 1 | 170370 | -1799 | 0 | 0 | 170370 | -1895 | 0 | 0 |
| 1.6 | 1 | 184303 | -1849 | 0 | 0 | 184303 | -1945 | 0 | 0 |
| 1.8 | 1 | 198235 | -1899 | 0 | 0 | 198235 | -1995 | 0 | 0 |
| 2 | 1 | 212168 | -1949 | 0 | 0 | 212168 | -2045 | 0 | 0 |
| 2.2 | 1 | 226100 | -1999 | 0 | 0 | 226100 | -2095 | 0 | 0 |
| 2.4 | 1 | 240032 | -2049 | 0 | 0 | 240032 | -2146 | 0 | 0 |
| 2.6 | 1 | 253965 | -2099 | 0 | 0 | 253965 | -2196 | 0 | 0 |
| 2.8 | 1 | 267897 | -2149 | 0 | 0 | 267897 | -2246 | 0 | 0 |
| 3 | 1 | 1827281 | -3951 | 0 | 0 | 1827281 | -4144 | 0 | 0 |
| 3.2 | 1 | 1867356 | -5840 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 1 | 1907430 | -6006 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 1 | 1947505 | -6172 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 1 | 1987580 | -6338 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 1 | 2027654 | -6504 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 1 | 2067729 | -6670 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 1 | 2107803 | -6836 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 1 | 2147878 | -7002 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 1 | 2187953 | -7168 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 1 | 2228027 | -7334 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 1 | 2268102 | -7500 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 1 | 2308177 | -7665 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 1 | 2348251 | -7831 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 1 | 2388326 | -7997 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 1 | 1214200 | -4061 | 0 | 0 | 1214200 | -4205 | 0 | 0 |
| 0 | 2 | | | | | 36422 | -779 | 0 | 0 |
| 0.2 | 2 | | | | | 86776 | -1595 | 0 | 0 |
| 0.4 | 2 | | | | | 100708 | -1645 | 0 | 0 |
| 0.6 | 2 | | | | | 114641 | -1695 | 0 | 0 |
| 0.8 | 2 | | | | | 128573 | -1745 | 0 | 0 |
| 1 | 2 | | | | | 142505 | -1795 | 0 | 0 |
| 1.2 | 2 | | | | | 156438 | -1845 | 0 | 0 |
| 1.4 | 2 | | | | | 170370 | -1895 | 0 | 0 |
| 1.6 | 2 | | | | | 184303 | -1945 | 0 | 0 |
| 1.8 | 2 | | | | | 198235 | -1995 | 0 | 0 |
| 2 | 2 | | | | | 212168 | -2045 | 0 | 0 |
| 2.2 | 2 | | | | | 226100 | -2095 | 0 | 0 |
| 2.4 | 2 | | | | | 240032 | -2146 | 0 | 0 |
| 2.6 | 2 | | | | | 253965 | -2196 | 0 | 0 |
| 2.8 | 2 | | | | | 267897 | -2246 | 0 | 0 |
| 3 | 2 | 1232172 | -3017 | 0 | 0 | 1827281 | -4144 | 0 | 0 |
| 3.2 | 2 | 1272247 | -3610 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 2 | 1312322 | -3776 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 2 | 1352396 | -3942 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 2 | 1392471 | -4108 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 2 | 1432546 | -4274 | 0 | 0 | 2027654 | -6792 | 0 | 0 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|----|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 4.2 | 2 | 1472620 | -4440 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 2 | 1512695 | -4606 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 2 | 1552770 | -4772 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 2 | 1592844 | -4938 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 2 | 1632919 | -5104 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 2 | 1672993 | -5270 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 2 | 1713068 | -5436 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 2 | 1753143 | -5602 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 2 | 1793217 | -5768 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 2 | 916646 | -2946 | 0 | 0 | 1214200 | -4205 | 0 | 0 |
| 0 | 3 | | | | | 36422 | -779 | 0 | 0 |
| 0.2 | 3 | | | | | 86776 | -1595 | 0 | 0 |
| 0.4 | 3 | | | | | 100708 | -1645 | 0 | 0 |
| 0.6 | 3 | | | | | 114641 | -1695 | 0 | 0 |
| 0.8 | 3 | | | | | 128573 | -1745 | 0 | 0 |
| 1 | 3 | | | | | 142505 | -1795 | 0 | 0 |
| 1.2 | 3 | | | | | 156438 | -1845 | 0 | 0 |
| 1.4 | 3 | | | | | 170370 | -1895 | 0 | 0 |
| 1.6 | 3 | | | | | 184303 | -1945 | 0 | 0 |
| 1.8 | 3 | | | | | 198235 | -1995 | 0 | 0 |
| 2 | 3 | | | | | 212168 | -2045 | 0 | 0 |
| 2.2 | 3 | | | | | 226100 | -2095 | 0 | 0 |
| 2.4 | 3 | | | | | 240032 | -2146 | 0 | 0 |
| 2.6 | 3 | | | | | 253965 | -2196 | 0 | 0 |
| 2.8 | 3 | | | | | 267897 | -2246 | 0 | 0 |
| 3 | 3 | 1232172 | -3017 | 0 | 0 | 1827281 | -4144 | 0 | 0 |
| 3.2 | 3 | 1272247 | -3610 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 3 | 1312322 | -3776 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 3 | 1352396 | -3942 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 3 | 1392471 | -4108 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 3 | 1432546 | -4274 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 3 | 1472620 | -4440 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 3 | 1512695 | -4606 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 3 | 1552770 | -4772 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 3 | 1592844 | -4938 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 3 | 1632919 | -5104 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 3 | 1672993 | -5270 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 3 | 1713068 | -5436 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 3 | 1753143 | -5602 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 3 | 1793217 | -5768 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 3 | 916646 | -2946 | 0 | 0 | 1214200 | -4205 | 0 | 0 |

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M2

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|----|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 0 | 0 | 36422 | -524 | 0 | 0 | 36422 | -524 | 0 | 0 |
| 0.2 | 0 | 86776 | -1085 | 0 | 0 | 86776 | -1085 | 0 | 0 |
| 0.4 | 0 | 100708 | -1135 | 0 | 0 | 100708 | -1135 | 0 | 0 |
| 0.6 | 0 | 114641 | -1185 | 0 | 0 | 114641 | -1185 | 0 | 0 |
| 0.8 | 0 | 128573 | -1235 | 0 | 0 | 128573 | -1235 | 0 | 0 |
| 1 | 0 | 142505 | -1285 | 0 | 0 | 142505 | -1285 | 0 | 0 |
| 1.2 | 0 | 156438 | -1335 | 0 | 0 | 156438 | -1335 | 0 | 0 |
| 1.4 | 0 | 170370 | -1385 | 0 | 0 | 170370 | -1385 | 0 | 0 |
| 1.6 | 0 | 184303 | -1435 | 0 | 0 | 184303 | -1435 | 0 | 0 |
| 1.8 | 0 | 198235 | -1485 | 0 | 0 | 198235 | -1485 | 0 | 0 |
| 2 | 0 | 212168 | -1535 | 0 | 0 | 212168 | -1535 | 0 | 0 |
| 2.2 | 0 | 226100 | -1585 | 0 | 0 | 226100 | -1585 | 0 | 0 |
| 2.4 | 0 | 240032 | -1635 | 0 | 0 | 240032 | -1635 | 0 | 0 |
| 2.6 | 0 | 253965 | -1685 | 0 | 0 | 253965 | -1685 | 0 | 0 |
| 2.8 | 0 | 267897 | -1736 | 0 | 0 | 267897 | -1736 | 0 | 0 |
| 3 | 0 | 1827281 | -3056 | 0 | 0 | 1827281 | -3056 | 0 | 0 |
| 3.2 | 0 | 1867356 | -4441 | 0 | 0 | 1867356 | -4441 | 0 | 0 |
| 3.4 | 0 | 1907430 | -4576 | 0 | 0 | 1907430 | -4576 | 0 | 0 |
| 3.6 | 0 | 1947505 | -4711 | 0 | 0 | 1947505 | -4711 | 0 | 0 |
| 3.8 | 0 | 1987580 | -4847 | 0 | 0 | 1987580 | -4847 | 0 | 0 |
| 4 | 0 | 2027654 | -4982 | 0 | 0 | 2027654 | -4982 | 0 | 0 |
| 4.2 | 0 | 2067729 | -5117 | 0 | 0 | 2067729 | -5117 | 0 | 0 |
| 4.4 | 0 | 2107803 | -5252 | 0 | 0 | 2107803 | -5252 | 0 | 0 |
| 4.6 | 0 | 2147878 | -5388 | 0 | 0 | 2147878 | -5388 | 0 | 0 |
| 4.8 | 0 | 2187953 | -5523 | 0 | 0 | 2187953 | -5523 | 0 | 0 |
| 5 | 0 | 2228027 | -5658 | 0 | 0 | 2228027 | -5658 | 0 | 0 |
| 5.2 | 0 | 2268102 | -5793 | 0 | 0 | 2268102 | -5793 | 0 | 0 |
| 5.4 | 0 | 2308177 | -5928 | 0 | 0 | 2308177 | -5928 | 0 | 0 |
| 5.6 | 0 | 2348251 | -6064 | 0 | 0 | 2348251 | -6064 | 0 | 0 |
| 5.8 | 0 | 2388326 | -6199 | 0 | 0 | 2388326 | -6199 | 0 | 0 |
| 6 | 0 | 1214200 | -3150 | 0 | 0 | 1214200 | -3150 | 0 | 0 |
| 0 | 1 | 36422 | -524 | 0 | 0 | 36422 | -586 | 0 | 0 |
| 0.2 | 1 | 86776 | -1085 | 0 | 0 | 86776 | -1209 | 0 | 0 |
| 0.4 | 1 | 100708 | -1135 | 0 | 0 | 100708 | -1259 | 0 | 0 |
| 0.6 | 1 | 114641 | -1185 | 0 | 0 | 114641 | -1309 | 0 | 0 |
| 0.8 | 1 | 128573 | -1235 | 0 | 0 | 128573 | -1359 | 0 | 0 |
| 1 | 1 | 142505 | -1285 | 0 | 0 | 142505 | -1409 | 0 | 0 |
| 1.2 | 1 | 156438 | -1335 | 0 | 0 | 156438 | -1459 | 0 | 0 |
| 1.4 | 1 | 170370 | -1385 | 0 | 0 | 170370 | -1509 | 0 | 0 |
| 1.6 | 1 | 184303 | -1435 | 0 | 0 | 184303 | -1559 | 0 | 0 |
| 1.8 | 1 | 198235 | -1485 | 0 | 0 | 198235 | -1609 | 0 | 0 |
| 2 | 1 | 212168 | -1535 | 0 | 0 | 212168 | -1659 | 0 | 0 |
| 2.2 | 1 | 226100 | -1585 | 0 | 0 | 226100 | -1709 | 0 | 0 |
| 2.4 | 1 | 240032 | -1635 | 0 | 0 | 240032 | -1759 | 0 | 0 |
| 2.6 | 1 | 253965 | -1685 | 0 | 0 | 253965 | -1809 | 0 | 0 |
| 2.8 | 1 | 267897 | -1736 | 0 | 0 | 267897 | -1859 | 0 | 0 |
| 3 | 1 | 1827281 | -3056 | 0 | 0 | 1827281 | -3270 | 0 | 0 |
| 3.2 | 1 | 1867356 | -4441 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 1 | 1907430 | -4576 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 1 | 1947505 | -4711 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 1 | 1987580 | -4847 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 1 | 2027654 | -4982 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 1 | 2067729 | -5117 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 1 | 2107803 | -5252 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 1 | 2147878 | -5388 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 1 | 2187953 | -5523 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 1 | 2228027 | -5658 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 1 | 2268102 | -5793 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 1 | 2308177 | -5928 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 1 | 2348251 | -6064 | 0 | 0 | 2348251 | -6366 | 0 | 0 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|----|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 5.8 | 1 | 2388326 | -6199 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 1 | 1214200 | -3150 | 0 | 0 | 1214200 | -3301 | 0 | 0 |
| 0 | 2 | | | | | 36422 | -586 | 0 | 0 |
| 0.2 | 2 | | | | | 86776 | -1209 | 0 | 0 |
| 0.4 | 2 | | | | | 100708 | -1259 | 0 | 0 |
| 0.6 | 2 | | | | | 114641 | -1309 | 0 | 0 |
| 0.8 | 2 | | | | | 128573 | -1359 | 0 | 0 |
| 1 | 2 | | | | | 142505 | -1409 | 0 | 0 |
| 1.2 | 2 | | | | | 156438 | -1459 | 0 | 0 |
| 1.4 | 2 | | | | | 170370 | -1509 | 0 | 0 |
| 1.6 | 2 | | | | | 184303 | -1559 | 0 | 0 |
| 1.8 | 2 | | | | | 198235 | -1609 | 0 | 0 |
| 2 | 2 | | | | | 212168 | -1659 | 0 | 0 |
| 2.2 | 2 | | | | | 226100 | -1709 | 0 | 0 |
| 2.4 | 2 | | | | | 240032 | -1759 | 0 | 0 |
| 2.6 | 2 | | | | | 253965 | -1809 | 0 | 0 |
| 2.8 | 2 | | | | | 267897 | -1859 | 0 | 0 |
| 3 | 2 | 1232172 | -2181 | 0 | 0 | 1827281 | -3270 | 0 | 0 |
| 3.2 | 2 | 1272247 | -2624 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 2 | 1312322 | -2760 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 2 | 1352396 | -2895 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 2 | 1392471 | -3030 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 2 | 1432546 | -3165 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 2 | 1472620 | -3301 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 2 | 1512695 | -3436 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 2 | 1552770 | -3571 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 2 | 1592844 | -3706 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 2 | 1632919 | -3841 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 2 | 1672993 | -3977 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 2 | 1713068 | -4112 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 2 | 1753143 | -4247 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 2 | 1793217 | -4382 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 2 | 916646 | -2242 | 0 | 0 | 1214200 | -3301 | 0 | 0 |
| 0 | 3 | | | | | 36422 | -586 | 0 | 0 |
| 0.2 | 3 | | | | | 86776 | -1209 | 0 | 0 |
| 0.4 | 3 | | | | | 100708 | -1259 | 0 | 0 |
| 0.6 | 3 | | | | | 114641 | -1309 | 0 | 0 |
| 0.8 | 3 | | | | | 128573 | -1359 | 0 | 0 |
| 1 | 3 | | | | | 142505 | -1409 | 0 | 0 |
| 1.2 | 3 | | | | | 156438 | -1459 | 0 | 0 |
| 1.4 | 3 | | | | | 170370 | -1509 | 0 | 0 |
| 1.6 | 3 | | | | | 184303 | -1559 | 0 | 0 |
| 1.8 | 3 | | | | | 198235 | -1609 | 0 | 0 |
| 2 | 3 | | | | | 212168 | -1659 | 0 | 0 |
| 2.2 | 3 | | | | | 226100 | -1709 | 0 | 0 |
| 2.4 | 3 | | | | | 240032 | -1759 | 0 | 0 |
| 2.6 | 3 | | | | | 253965 | -1809 | 0 | 0 |
| 2.8 | 3 | | | | | 267897 | -1859 | 0 | 0 |
| 3 | 3 | 1232172 | -2181 | 0 | 0 | 1827281 | -3270 | 0 | 0 |
| 3.2 | 3 | 1272247 | -2624 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 3 | 1312322 | -2760 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 3 | 1352396 | -2895 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 3 | 1392471 | -3030 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 3 | 1432546 | -3165 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 3 | 1472620 | -3301 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 3 | 1512695 | -3436 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 3 | 1552770 | -3571 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 3 | 1592844 | -3706 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 3 | 1632919 | -3841 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 3 | 1672993 | -3977 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 3 | 1713068 | -4112 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 3 | 1753143 | -4247 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 3 | 1793217 | -4382 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 3 | 916646 | -2242 | 0 | 0 | 1214200 | -3301 | 0 | 0 |

Significato dei simboli utilizzati:

quota: quota del nodo al quale la molla è collegata [m]

Stg: fase di calcolo

molle sul fianco sinistro: pressioni a sinistra

K: rigidezza estensionale della molla [daN/m]

Ymin: snervamento minimo della molla [daN]

Ymax: snervamento massimo della molla [daN]

Pr: presollecitazione assiale della molla [daN]

molle sul fianco destro: pressioni a destra

Verifiche geotecniche di stabilità globale dell'opera

Parametri utilizzati nella verifica di stabilità globale dell'opera

Metodo di calcolo di stabilità pendio: Bishop

Coefficiente di sicurezza ritenuto ammissibile (gammaR): 1.3

Passo dei conci: 1

Resistenza al taglio della paratia: 50000

Estensione massima studiata a sx: 100

Estensione massima studiata a dx: 100

Estensione massima studiata in profondità: 100

Esegui il calcolo contestualmente alla risoluzione: True

Verifiche geotecniche di stabilità globale dell'opera

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|-------|-----|----|--------|-------|-------|--------|-----|-----|------|-----|
| GEO 1 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.21 | ok |
| GEO 1 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.21 | ok |
| GEO 1 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.24 | ok |
| GEO 1 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.24 | ok |
| GEO 1 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.26 | ok |
| GEO 1 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.26 | ok |
| GEO 1 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.27 | ok |
| GEO 1 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.27 | ok |
| GEO 1 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.27 | ok |
| GEO 1 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.27 | ok |
| GEO 1 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.29 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|-------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 1 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.29 | ok |
| GEO 1 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.29 | ok |
| GEO 1 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.29 | ok |
| GEO 3 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.33 | ok |
| GEO 3 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.33 | ok |
| GEO 1 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.34 | ok |
| GEO 1 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.34 | ok |
| GEO 3 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.36 | ok |
| GEO 3 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.36 | ok |
| GEO 1 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.37 | ok |
| GEO 1 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.37 | ok |
| GEO 1 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.38 | ok |
| GEO 1 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.38 | ok |
| GEO 3 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.38 | ok |
| GEO 3 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.38 | ok |
| GEO 3 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.39 | ok |
| GEO 3 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.39 | ok |
| GEO 3 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.39 | ok |
| GEO 3 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.39 | ok |
| GEO 3 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.41 | ok |
| GEO 3 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.41 | ok |
| GEO 3 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.41 | ok |
| GEO 3 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.41 | ok |
| GEO 1 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.41 | ok |
| GEO 1 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.41 | ok |
| GEO 1 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.43 | ok |
| GEO 1 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.43 | ok |
| GEO 1 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.44 | ok |
| GEO 1 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.44 | ok |
| GEO 1 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.45 | ok |
| GEO 1 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.45 | ok |
| GEO 1 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.45 | ok |
| GEO 1 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.45 | ok |
| GEO 3 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.46 | ok |
| GEO 3 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.46 | ok |
| GEO 3 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.49 | ok |
| GEO 3 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.49 | ok |
| GEO 3 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.49 | ok |
| GEO 3 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.49 | ok |
| GEO 1 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.52 | ok |
| GEO 1 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.52 | ok |
| GEO 1 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.52 | ok |
| GEO 1 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.52 | ok |
| GEO 3 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.53 | ok |
| GEO 3 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.53 | ok |
| GEO 1 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.54 | ok |
| GEO 1 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.54 | ok |
| GEO 1 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.55 | ok |
| GEO 1 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.55 | ok |
| GEO 1 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.55 | ok |
| GEO 1 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.55 | ok |
| GEO 3 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.56 | ok |
| GEO 3 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.56 | ok |
| GEO 1 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.56 | ok |
| GEO 1 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.56 | ok |
| GEO 1 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.56 | ok |
| GEO 1 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.56 | ok |
| GEO 3 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.57 | ok |
| GEO 3 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.57 | ok |
| GEO 1 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.57 | ok |
| GEO 1 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.57 | ok |
| GEO 3 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.57 | ok |
| GEO 3 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.57 | ok |
| GEO 3 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.57 | ok |
| GEO 3 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.57 | ok |
| GEO 1 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.61 | ok |
| GEO 1 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.61 | ok |
| GEO 1 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.63 | ok |
| GEO 1 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.63 | ok |
| GEO 3 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.63 | ok |
| GEO 3 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.63 | ok |
| GEO 1 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.64 | ok |
| GEO 1 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.64 | ok |
| GEO 3 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.64 | ok |
| GEO 3 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.64 | ok |
| GEO 1 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.65 | ok |
| GEO 1 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.65 | ok |
| GEO 1 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.66 | ok |
| GEO 1 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.66 | ok |
| GEO 3 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.66 | ok |
| GEO 3 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.66 | ok |
| GEO 3 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.67 | ok |
| GEO 3 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.67 | ok |
| GEO 3 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.67 | ok |
| GEO 3 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.67 | ok |
| GEO 3 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.68 | ok |
| GEO 3 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.68 | ok |
| GEO 3 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.68 | ok |
| GEO 3 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.68 | ok |
| GEO 3 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.69 | ok |
| GEO 3 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.69 | ok |
| GEO 1 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.7 | ok |
| GEO 1 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.7 | ok |
| GEO 1 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.71 | ok |
| GEO 1 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.71 | ok |
| GEO 3 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.73 | ok |
| GEO 3 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.73 | ok |
| GEO 3 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.75 | ok |
| GEO 3 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.75 | ok |
| GEO 3 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.76 | ok |
| GEO 3 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.76 | ok |
| GEO 1 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.76 | ok |
| GEO 1 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.76 | ok |
| GEO 1 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.77 | ok |
| GEO 1 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.77 | ok |
| GEO 3 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.78 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 3 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.78 | ok |
| GEO 1 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.78 | ok |
| GEO 1 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.78 | ok |
| GEO 1 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.79 | ok |
| GEO 1 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.79 | ok |
| GEO 3 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.79 | ok |
| GEO 3 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.79 | ok |
| GEO 1 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.79 | ok |
| GEO 1 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.79 | ok |
| GEO 1 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.82 | ok |
| GEO 1 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.82 | ok |
| GEO 3 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.83 | ok |
| GEO 3 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.83 | ok |
| GEO 3 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.84 | ok |
| GEO 3 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.84 | ok |
| GEO 1 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.87 | ok |
| GEO 1 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.87 | ok |
| GEO 1 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.87 | ok |
| GEO 1 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.87 | ok |
| GEO 3 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.88 | ok |
| GEO 3 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.88 | ok |
| GEO 1 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.89 | ok |
| GEO 1 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.89 | ok |
| GEO 1 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.89 | ok |
| GEO 1 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.89 | ok |
| GEO 1 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.9 | ok |
| GEO 1 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.9 | ok |
| GEO 3 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.9 | ok |
| GEO 3 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.9 | ok |
| GEO 3 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.9 | ok |
| GEO 3 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.9 | ok |
| GEO 3 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.92 | ok |
| GEO 3 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.92 | ok |
| GEO 3 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.92 | ok |
| GEO 3 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.92 | ok |
| GEO 1 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.94 | ok |
| GEO 1 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.94 | ok |
| GEO 3 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.95 | ok |
| GEO 3 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.95 | ok |
| GEO 1 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.96 | ok |
| GEO 1 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.96 | ok |
| GEO 1 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.96 | ok |
| GEO 1 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.96 | ok |
| GEO 1 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.98 | ok |
| GEO 1 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.98 | ok |
| GEO 1 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.98 | ok |
| GEO 1 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.98 | ok |
| GEO 3 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8 | ok |
| GEO 3 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8 | ok |
| GEO 3 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8 | ok |
| GEO 3 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8 | ok |
| GEO 1 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.01 | ok |
| GEO 1 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.01 | ok |
| GEO 3 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.01 | ok |
| GEO 3 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.01 | ok |
| GEO 1 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.02 | ok |
| GEO 1 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.02 | ok |
| GEO 3 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.02 | ok |
| GEO 3 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.02 | ok |
| GEO 3 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.03 | ok |
| GEO 3 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.03 | ok |
| GEO 1 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.04 | ok |
| GEO 1 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.04 | ok |
| GEO 2 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.04 | ok |
| GEO 2 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.04 | ok |
| GEO 3 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.07 | ok |
| GEO 3 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.07 | ok |
| GEO 2 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.07 | ok |
| GEO 2 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.07 | ok |
| GEO 1 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.08 | ok |
| GEO 1 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.08 | ok |
| GEO 2 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.08 | ok |
| GEO 2 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.08 | ok |
| GEO 3 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.09 | ok |
| GEO 3 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.09 | ok |
| GEO 1 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.09 | ok |
| GEO 1 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.09 | ok |
| GEO 3 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.1 | ok |
| GEO 3 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.1 | ok |
| GEO 2 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.11 | ok |
| GEO 2 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.11 | ok |
| GEO 3 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.11 | ok |
| GEO 3 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.11 | ok |
| GEO 2 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.11 | ok |
| GEO 2 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.11 | ok |
| GEO 3 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.11 | ok |
| GEO 3 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.11 | ok |
| GEO 2 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.12 | ok |
| GEO 2 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.12 | ok |
| GEO 1 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.13 | ok |
| GEO 1 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.13 | ok |
| GEO 3 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.14 | ok |
| GEO 3 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.14 | ok |
| GEO 2 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.14 | ok |
| GEO 2 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.14 | ok |
| SLVml 1 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.15 | ok |
| SLVml 2 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.15 | ok |
| GEO 1 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.15 | ok |
| GEO 1 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.15 | ok |
| GEO 3 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.15 | ok |
| GEO 3 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.15 | ok |
| SLVml 1 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.15 | ok |
| SLVml 2 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.15 | ok |
| GEO 3 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.17 | ok |
| GEO 3 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.17 | ok |
| SLVml 1 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.17 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| SLVml 2 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.17 | ok |
| SLVml 2 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.19 | ok |
| SLVml 1 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.19 | ok |
| GEO 2 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.19 | ok |
| GEO 2 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.19 | ok |
| GEO 4 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.19 | ok |
| GEO 4 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.19 | ok |
| GEO 1 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.19 | ok |
| GEO 1 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.19 | ok |
| SLVml 2 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.2 | ok |
| SLVml 1 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.2 | ok |
| SLVml 2 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.2 | ok |
| SLVml 1 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.2 | ok |
| SLVml 1 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.21 | ok |
| SLVml 2 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.21 | ok |
| GEO 2 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.21 | ok |
| GEO 2 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.21 | ok |
| GEO 3 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.21 | ok |
| GEO 3 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.21 | ok |
| SLVml 1 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.22 | ok |
| SLVml 2 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.22 | ok |
| GEO 4 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.22 | ok |
| GEO 4 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.22 | ok |
| GEO 3 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.22 | ok |
| GEO 3 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.22 | ok |
| GEO 4 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.22 | ok |
| GEO 4 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.22 | ok |
| GEO 1 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.23 | ok |
| GEO 1 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.23 | ok |
| GEO 2 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.24 | ok |
| GEO 2 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.24 | ok |
| SLVml 1 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.25 | ok |
| SLVml 2 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.25 | ok |
| GEO 4 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.26 | ok |
| GEO 4 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.26 | ok |
| GEO 4 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.26 | ok |
| GEO 4 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.26 | ok |
| GEO 2 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.26 | ok |
| GEO 2 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.26 | ok |
| GEO 3 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.26 | ok |
| GEO 3 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.26 | ok |
| SLVml 2 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.26 | ok |
| SLVml 1 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.26 | ok |
| SLVml 1 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.27 | ok |
| SLVml 2 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.27 | ok |
| GEO 4 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.27 | ok |
| GEO 4 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.27 | ok |
| SLVml 1 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.27 | ok |
| SLVml 2 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.27 | ok |
| SLVml 2 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.28 | ok |
| SLVml 1 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.28 | ok |
| GEO 3 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.29 | ok |
| GEO 3 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.29 | ok |
| SLVml 1 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.29 | ok |
| SLVml 2 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.29 | ok |
| SLVml 1 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.29 | ok |
| SLVml 2 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.29 | ok |
| GEO 4 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.3 | ok |
| GEO 4 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.3 | ok |
| GEO 2 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.3 | ok |
| GEO 2 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.3 | ok |
| SLVml 1 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.31 | ok |
| SLVml 2 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.31 | ok |
| GEO 1 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.32 | ok |
| GEO 1 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.32 | ok |
| GEO 2 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.32 | ok |
| GEO 2 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.32 | ok |
| GEO 2 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.32 | ok |
| GEO 2 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.32 | ok |
| SLVml 1 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.32 | ok |
| SLVml 2 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.32 | ok |
| GEO 3 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.32 | ok |
| GEO 3 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.32 | ok |
| GEO 2 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.32 | ok |
| GEO 2 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.32 | ok |
| SLVml 1 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.32 | ok |
| SLVml 2 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.32 | ok |
| GEO 4 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.33 | ok |
| GEO 4 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.33 | ok |
| GEO 2 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.33 | ok |
| GEO 2 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.33 | ok |
| SLVml 2 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.34 | ok |
| SLVml 1 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.34 | ok |
| SLVml 1 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.35 | ok |
| SLVml 2 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.35 | ok |
| SLVml 1 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.36 | ok |
| SLVml 2 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.36 | ok |
| GEO 4 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.37 | ok |
| GEO 4 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.37 | ok |
| GEO 3 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.37 | ok |
| GEO 3 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.37 | ok |
| SLVml 2 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.38 | ok |
| SLVml 1 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.38 | ok |
| SLVml 2 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.39 | ok |
| SLVml 1 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.39 | ok |
| GEO 4 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.4 | ok |
| GEO 4 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.4 | ok |
| SLVml 1 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.4 | ok |
| SLVml 2 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.4 | ok |
| GEO 2 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.4 | ok |
| GEO 2 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.4 | ok |
| SLVml 1 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.4 | ok |
| SLVml 2 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.4 | ok |
| GEO 2 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.4 | ok |
| GEO 2 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.4 | ok |
| SLVml 1 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.41 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| SLVml 2 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.41 | ok |
| GEO 4 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.41 | ok |
| GEO 4 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 8.41 | ok |
| GEO 1 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.42 | ok |
| GEO 1 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.42 | ok |
| GEO 2 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.43 | ok |
| GEO 2 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.43 | ok |
| SLVml 2 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.43 | ok |
| SLVml 1 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.43 | ok |
| GEO 2 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.44 | ok |
| GEO 2 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.44 | ok |
| SLVml 2 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.45 | ok |
| SLVml 1 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.45 | ok |
| GEO 3 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.45 | ok |
| GEO 3 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.45 | ok |
| GEO 4 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.45 | ok |
| GEO 4 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.45 | ok |
| GEO 2 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.45 | ok |
| GEO 2 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.45 | ok |
| GEO 2 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.46 | ok |
| GEO 2 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.46 | ok |
| GEO 4 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.46 | ok |
| GEO 4 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.46 | ok |
| GEO 2 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.47 | ok |
| GEO 2 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.47 | ok |
| SLVml 1 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.47 | ok |
| SLVml 2 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.47 | ok |
| SLVml 1 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.47 | ok |
| SLVml 2 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.47 | ok |
| GEO 4 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.48 | ok |
| GEO 4 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.48 | ok |
| GEO 4 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.48 | ok |
| GEO 4 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 8.48 | ok |
| SLVml 1 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.49 | ok |
| SLVml 2 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 8.49 | ok |
| GEO 4 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.49 | ok |
| GEO 4 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.49 | ok |
| GEO 1 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.49 | ok |
| GEO 1 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.49 | ok |
| GEO 1 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.49 | ok |
| GEO 1 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.49 | ok |
| GEO 1 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.5 | ok |
| GEO 1 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.5 | ok |
| GEO 2 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.5 | ok |
| GEO 2 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.5 | ok |
| GEO 1 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.5 | ok |
| GEO 1 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.5 | ok |
| GEO 1 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.51 | ok |
| GEO 1 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.51 | ok |
| GEO 2 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.51 | ok |
| GEO 2 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.51 | ok |
| GEO 1 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.53 | ok |
| GEO 1 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.53 | ok |
| SLVml 2 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.53 | ok |
| SLVml 1 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.53 | ok |
| SLVml 2 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.54 | ok |
| SLVml 1 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.54 | ok |
| GEO 1 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.54 | ok |
| GEO 1 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.54 | ok |
| GEO 2 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.54 | ok |
| GEO 2 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.54 | ok |
| SLVml 1 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.55 | ok |
| SLVml 2 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.55 | ok |
| GEO 1 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.55 | ok |
| GEO 1 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.55 | ok |
| GEO 3 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.55 | ok |
| GEO 3 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.55 | ok |
| GEO 4 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.55 | ok |
| GEO 4 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.55 | ok |
| SLVml 2 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.55 | ok |
| SLVml 1 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.55 | ok |
| SLVml 2 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.56 | ok |
| SLVml 1 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.56 | ok |
| GEO 4 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.56 | ok |
| GEO 4 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.56 | ok |
| GEO 1 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.56 | ok |
| GEO 1 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.56 | ok |
| GEO 1 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.57 | ok |
| GEO 1 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.57 | ok |
| SLVml 1 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.58 | ok |
| SLVml 2 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.58 | ok |
| GEO 2 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.58 | ok |
| GEO 2 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.58 | ok |
| GEO 4 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.58 | ok |
| GEO 4 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.58 | ok |
| GEO 2 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.59 | ok |
| GEO 2 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.59 | ok |
| GEO 4 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.59 | ok |
| GEO 4 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.59 | ok |
| SLVml 2 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.59 | ok |
| SLVml 1 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.59 | ok |
| GEO 1 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.6 | ok |
| GEO 1 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.6 | ok |
| GEO 2 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.6 | ok |
| GEO 2 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.6 | ok |
| GEO 2 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.61 | ok |
| GEO 2 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.61 | ok |
| GEO 4 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.61 | ok |
| GEO 4 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.61 | ok |
| SLVml 1 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.62 | ok |
| SLVml 2 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.62 | ok |
| GEO 4 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.62 | ok |
| GEO 4 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.62 | ok |
| GEO 4 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.62 | ok |
| GEO 4 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.62 | ok |
| GEO 1 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.63 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 1 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.63 | ok |
| GEO 1 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.63 | ok |
| GEO 1 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.63 | ok |
| GEO 3 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.63 | ok |
| GEO 3 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.63 | ok |
| GEO 2 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.63 | ok |
| GEO 2 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.63 | ok |
| GEO 2 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.63 | ok |
| GEO 2 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.63 | ok |
| GEO 3 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.64 | ok |
| GEO 3 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.64 | ok |
| GEO 3 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.64 | ok |
| GEO 3 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.64 | ok |
| GEO 3 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.65 | ok |
| GEO 3 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.65 | ok |
| GEO 3 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.65 | ok |
| GEO 3 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.65 | ok |
| GEO 4 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.65 | ok |
| GEO 4 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.65 | ok |
| GEO 3 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.66 | ok |
| GEO 3 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.66 | ok |
| GEO 4 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.67 | ok |
| GEO 4 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.67 | ok |
| GEO 1 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.67 | ok |
| GEO 1 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.67 | ok |
| GEO 1 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.67 | ok |
| GEO 1 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.67 | ok |
| SLVml 2 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.68 | ok |
| SLVml 1 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.68 | ok |
| GEO 3 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.68 | ok |
| GEO 3 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.68 | ok |
| SLVml 2 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.68 | ok |
| SLVml 1 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.68 | ok |
| GEO 3 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.69 | ok |
| GEO 3 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.69 | ok |
| GEO 3 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.69 | ok |
| GEO 3 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.69 | ok |
| SLVml 2 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.7 | ok |
| SLVml 1 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.7 | ok |
| GEO 4 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.7 | ok |
| GEO 4 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.7 | ok |
| SLVml 1 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.7 | ok |
| SLVml 2 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.7 | ok |
| GEO 3 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.71 | ok |
| GEO 3 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.71 | ok |
| SLVml 2 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.71 | ok |
| SLVml 1 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.71 | ok |
| SLVml 2 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.72 | ok |
| SLVml 1 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.72 | ok |
| GEO 2 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.72 | ok |
| GEO 2 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.72 | ok |
| SLVml 1 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.73 | ok |
| SLVml 2 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.73 | ok |
| GEO 2 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.73 | ok |
| GEO 2 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.73 | ok |
| GEO 3 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.74 | ok |
| GEO 3 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.74 | ok |
| GEO 2 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.74 | ok |
| GEO 2 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.74 | ok |
| GEO 4 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.75 | ok |
| GEO 4 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.75 | ok |
| GEO 4 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.75 | ok |
| GEO 4 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.75 | ok |
| GEO 4 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.75 | ok |
| GEO 4 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.75 | ok |
| SLVml 2 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.75 | ok |
| SLVml 1 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.75 | ok |
| GEO 4 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.76 | ok |
| GEO 4 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.76 | ok |
| GEO 3 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.76 | ok |
| GEO 3 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.76 | ok |
| GEO 2 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.76 | ok |
| GEO 2 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.76 | ok |
| GEO 3 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.76 | ok |
| GEO 3 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.76 | ok |
| GEO 2 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.77 | ok |
| GEO 2 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.77 | ok |
| GEO 2 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.78 | ok |
| GEO 2 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.78 | ok |
| GEO 2 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.79 | ok |
| GEO 2 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.79 | ok |
| GEO 4 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.79 | ok |
| GEO 4 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.79 | ok |
| GEO 4 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.8 | ok |
| GEO 4 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.8 | ok |
| GEO 3 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.82 | ok |
| GEO 3 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.82 | ok |
| GEO 3 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.82 | ok |
| GEO 3 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.82 | ok |
| GEO 2 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.82 | ok |
| GEO 2 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.82 | ok |
| GEO 2 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.86 | ok |
| GEO 2 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.86 | ok |
| SLVml 2 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.86 | ok |
| SLVml 1 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.86 | ok |
| SLVml 2 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.87 | ok |
| SLVml 1 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.87 | ok |
| GEO 1 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.87 | ok |
| GEO 1 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.87 | ok |
| SLVml 2 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.87 | ok |
| SLVml 1 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.87 | ok |
| SLVml 1 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.88 | ok |
| SLVml 2 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.88 | ok |
| GEO 4 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.89 | ok |
| GEO 4 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.89 | ok |
| SLVml 1 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.89 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| SLVml 2 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.89 | ok |
| GEO 2 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.89 | ok |
| GEO 2 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.89 | ok |
| GEO 2 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.89 | ok |
| GEO 2 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.89 | ok |
| GEO 4 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.9 | ok |
| GEO 4 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.9 | ok |
| GEO 2 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.9 | ok |
| GEO 2 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.9 | ok |
| GEO 4 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.91 | ok |
| GEO 4 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.91 | ok |
| GEO 1 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.91 | ok |
| GEO 1 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.91 | ok |
| GEO 2 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.91 | ok |
| GEO 2 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.91 | ok |
| GEO 4 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.92 | ok |
| GEO 4 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.92 | ok |
| SLVml 1 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.93 | ok |
| SLVml 2 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.93 | ok |
| GEO 4 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.93 | ok |
| GEO 4 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.93 | ok |
| GEO 2 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.94 | ok |
| GEO 2 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.94 | ok |
| GEO 4 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.94 | ok |
| GEO 4 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.94 | ok |
| SLVml 2 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.94 | ok |
| SLVml 1 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.94 | ok |
| GEO 2 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.95 | ok |
| GEO 2 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.95 | ok |
| GEO 4 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.95 | ok |
| GEO 4 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.95 | ok |
| GEO 2 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.99 | ok |
| GEO 2 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.99 | ok |
| GEO 4 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.99 | ok |
| GEO 4 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.99 | ok |
| GEO 2 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.99 | ok |
| GEO 2 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.99 | ok |
| SLVml 1 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9 | ok |
| SLVml 2 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9 | ok |
| GEO 3 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.01 | ok |
| GEO 3 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.01 | ok |
| SLVml 1 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.02 | ok |
| SLVml 2 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.02 | ok |
| SLVml 1 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.02 | ok |
| SLVml 2 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.02 | ok |
| GEO 2 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.03 | ok |
| GEO 2 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.03 | ok |
| GEO 4 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.03 | ok |
| GEO 4 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.03 | ok |
| SLVml 1 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.03 | ok |
| SLVml 2 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.03 | ok |
| GEO 3 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.05 | ok |
| GEO 3 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.05 | ok |
| GEO 4 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 9.06 | ok |
| GEO 4 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 9.06 | ok |
| GEO 2 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.06 | ok |
| GEO 2 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.06 | ok |
| GEO 4 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 9.07 | ok |
| GEO 4 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 9.07 | ok |
| GEO 4 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 9.07 | ok |
| GEO 4 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 9.07 | ok |
| SLVml 1 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.07 | ok |
| SLVml 2 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.07 | ok |
| GEO 4 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.08 | ok |
| GEO 4 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.08 | ok |
| SLVml 2 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.08 | ok |
| SLVml 1 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.08 | ok |
| GEO 2 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 9.1 | ok |
| GEO 2 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 9.1 | ok |
| GEO 4 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.11 | ok |
| GEO 4 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.11 | ok |
| GEO 2 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 9.11 | ok |
| GEO 2 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 9.11 | ok |
| SLVml 1 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 9.12 | ok |
| SLVml 2 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 9.12 | ok |
| GEO 4 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.12 | ok |
| GEO 4 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.12 | ok |
| SLVml 1 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.12 | ok |
| SLVml 2 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.12 | ok |
| SLVml 2 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.13 | ok |
| SLVml 1 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.13 | ok |
| SLVml 1 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.14 | ok |
| SLVml 2 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.14 | ok |
| GEO 2 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.15 | ok |
| GEO 2 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.15 | ok |
| GEO 4 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.16 | ok |
| GEO 4 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.16 | ok |
| GEO 4 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 9.16 | ok |
| GEO 4 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 9.16 | ok |
| GEO 4 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.19 | ok |
| GEO 4 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.19 | ok |
| GEO 1 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.2 | ok |
| GEO 1 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.2 | ok |
| GEO 1 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.21 | ok |
| GEO 1 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.21 | ok |
| GEO 2 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 9.22 | ok |
| GEO 2 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 9.22 | ok |
| GEO 1 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.23 | ok |
| GEO 1 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.23 | ok |
| GEO 1 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.23 | ok |
| GEO 1 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.23 | ok |
| GEO 4 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.24 | ok |
| GEO 4 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.24 | ok |
| GEO 1 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.25 | ok |
| GEO 1 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.25 | ok |
| SLVml 2 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.26 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| SLVml 1 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.26 | ok |
| SLVml 2 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.26 | ok |
| SLVml 1 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.26 | ok |
| GEO 2 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.26 | ok |
| GEO 2 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.26 | ok |
| GEO 1 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.27 | ok |
| GEO 1 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.27 | ok |
| GEO 4 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 9.27 | ok |
| GEO 4 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 9.27 | ok |
| GEO 4 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 9.28 | ok |
| GEO 4 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 9.28 | ok |
| SLVml 2 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.3 | ok |
| SLVml 1 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.3 | ok |
| GEO 1 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.3 | ok |
| GEO 1 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.3 | ok |
| SLVml 2 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 9.3 | ok |
| SLVml 1 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 9.3 | ok |
| GEO 1 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.32 | ok |
| GEO 1 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.32 | ok |
| GEO 4 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.33 | ok |
| GEO 4 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.33 | ok |
| SLVml 2 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.33 | ok |
| SLVml 1 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.33 | ok |
| GEO 2 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.34 | ok |
| GEO 2 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.34 | ok |
| SLVml 1 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.34 | ok |
| SLVml 2 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.34 | ok |
| GEO 3 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.34 | ok |
| GEO 3 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.34 | ok |
| GEO 3 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.35 | ok |
| GEO 3 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.35 | ok |
| SLVml 2 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.36 | ok |
| SLVml 1 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.36 | ok |
| GEO 3 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.38 | ok |
| GEO 3 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.38 | ok |
| GEO 3 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.39 | ok |
| GEO 3 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.39 | ok |
| GEO 3 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.4 | ok |
| GEO 3 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.4 | ok |
| GEO 4 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 9.4 | ok |
| GEO 4 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 9.4 | ok |
| GEO 3 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.42 | ok |
| GEO 3 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.42 | ok |
| SLVml 2 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.42 | ok |
| SLVml 1 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.42 | ok |
| GEO 4 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.43 | ok |
| GEO 4 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.43 | ok |
| GEO 3 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.44 | ok |
| GEO 3 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.44 | ok |
| GEO 1 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.45 | ok |
| GEO 1 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.45 | ok |
| SLVml 1 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.45 | ok |
| SLVml 2 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.45 | ok |
| GEO 3 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.48 | ok |
| GEO 3 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.48 | ok |
| GEO 2 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.48 | ok |
| GEO 2 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.48 | ok |
| GEO 2 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.49 | ok |
| GEO 2 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.49 | ok |
| GEO 4 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.5 | ok |
| GEO 4 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.5 | ok |
| GEO 2 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.51 | ok |
| GEO 2 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.51 | ok |
| GEO 2 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.52 | ok |
| GEO 2 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.52 | ok |
| GEO 2 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.53 | ok |
| GEO 2 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.53 | ok |
| GEO 2 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.53 | ok |
| GEO 2 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.53 | ok |
| GEO 2 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.54 | ok |
| GEO 2 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.54 | ok |
| GEO 2 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.55 | ok |
| GEO 2 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.55 | ok |
| GEO 2 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.57 | ok |
| GEO 2 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.57 | ok |
| GEO 2 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.59 | ok |
| GEO 2 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.59 | ok |
| GEO 2 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.6 | ok |
| GEO 2 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.6 | ok |
| GEO 3 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.6 | ok |
| GEO 3 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.6 | ok |
| SLVml 2 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.61 | ok |
| SLVml 1 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.61 | ok |
| GEO 2 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.62 | ok |
| GEO 2 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.62 | ok |
| GEO 2 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.62 | ok |
| GEO 2 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.62 | ok |
| GEO 4 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.64 | ok |
| GEO 4 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.64 | ok |
| GEO 4 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.67 | ok |
| GEO 4 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.67 | ok |
| GEO 4 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.69 | ok |
| GEO 4 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.69 | ok |
| GEO 1 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.69 | ok |
| GEO 1 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.69 | ok |
| SLVml 1 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.69 | ok |
| SLVml 2 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.69 | ok |
| GEO 2 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.69 | ok |
| GEO 2 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.69 | ok |
| GEO 4 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.7 | ok |
| GEO 4 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.7 | ok |
| GEO 4 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.71 | ok |
| GEO 4 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.71 | ok |
| GEO 4 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.71 | ok |
| GEO 4 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.71 | ok |
| GEO 2 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.71 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 2 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.71 | ok |
| SLVml 2 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.72 | ok |
| SLVml 1 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.72 | ok |
| GEO 4 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.73 | ok |
| GEO 4 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.73 | ok |
| GEO 4 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.73 | ok |
| GEO 4 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.73 | ok |
| GEO 4 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.74 | ok |
| GEO 4 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.74 | ok |
| SLVml 2 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.74 | ok |
| SLVml 1 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.74 | ok |
| SLVml 1 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.74 | ok |
| SLVml 2 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.74 | ok |
| SLVml 1 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.77 | ok |
| SLVml 2 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.77 | ok |
| GEO 4 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.77 | ok |
| GEO 4 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.77 | ok |
| GEO 4 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.78 | ok |
| GEO 4 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.78 | ok |
| GEO 4 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.8 | ok |
| GEO 4 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.8 | ok |
| GEO 4 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.81 | ok |
| GEO 4 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.81 | ok |
| SLVml 1 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.82 | ok |
| SLVml 2 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.82 | ok |
| SLVml 2 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.82 | ok |
| SLVml 1 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.82 | ok |
| GEO 3 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.84 | ok |
| GEO 3 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.84 | ok |
| GEO 1 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.84 | ok |
| GEO 1 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.84 | ok |
| SLVml 1 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.86 | ok |
| SLVml 2 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.86 | ok |
| GEO 4 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.87 | ok |
| GEO 4 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.87 | ok |
| GEO 2 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.89 | ok |
| GEO 2 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.89 | ok |
| GEO 4 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.9 | ok |
| GEO 4 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.9 | ok |
| SLVml 1 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.94 | ok |
| SLVml 2 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.94 | ok |
| GEO 2 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.94 | ok |
| GEO 2 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.94 | ok |
| GEO 1 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.97 | ok |
| GEO 1 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.97 | ok |
| GEO 3 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10 | ok |
| GEO 3 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10 | ok |
| GEO 1 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.03 | ok |
| GEO 1 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.03 | ok |
| GEO 1 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.05 | ok |
| GEO 1 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.05 | ok |
| GEO 4 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 10.07 | ok |
| GEO 4 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 10.07 | ok |
| SLVml 1 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 10.09 | ok |
| SLVml 2 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 10.09 | ok |
| GEO 1 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.11 | ok |
| GEO 1 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.11 | ok |
| SLVml 2 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.11 | ok |
| SLVml 1 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.11 | ok |
| GEO 3 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.12 | ok |
| GEO 3 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.12 | ok |
| GEO 1 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.12 | ok |
| GEO 1 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.12 | ok |
| GEO 4 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.13 | ok |
| GEO 4 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.13 | ok |
| SLVml 1 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.15 | ok |
| SLVml 2 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.15 | ok |
| SLVml 1 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 10.17 | ok |
| SLVml 2 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 10.17 | ok |
| GEO 3 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.2 | ok |
| GEO 3 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.2 | ok |
| GEO 3 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.22 | ok |
| GEO 3 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.22 | ok |
| GEO 1 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.22 | ok |
| GEO 1 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.22 | ok |
| GEO 2 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 10.23 | ok |
| GEO 2 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 10.23 | ok |
| GEO 2 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 10.25 | ok |
| GEO 2 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 10.25 | ok |
| GEO 3 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.27 | ok |
| GEO 3 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.27 | ok |
| GEO 2 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 10.28 | ok |
| GEO 2 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 10.28 | ok |
| GEO 3 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.28 | ok |
| GEO 3 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.28 | ok |
| GEO 2 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 10.33 | ok |
| GEO 2 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 10.33 | ok |
| GEO 2 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 10.34 | ok |
| GEO 2 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 10.34 | ok |
| GEO 2 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 10.34 | ok |
| GEO 2 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 10.34 | ok |
| SLVml 2 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.35 | ok |
| SLVml 1 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.35 | ok |
| GEO 2 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.38 | ok |
| GEO 2 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.38 | ok |
| GEO 3 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.39 | ok |
| GEO 3 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.39 | ok |
| GEO 1 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.4 | ok |
| GEO 1 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.4 | ok |
| GEO 4 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 10.41 | ok |
| GEO 4 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 10.41 | ok |
| GEO 2 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.43 | ok |
| GEO 2 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.43 | ok |
| GEO 4 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 10.43 | ok |
| GEO 4 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 10.43 | ok |
| GEO 4 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 10.45 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 4 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 10.45 | ok |
| GEO 4 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 10.52 | ok |
| GEO 4 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 10.52 | ok |
| SLVml 2 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 10.53 | ok |
| SLVml 1 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 10.53 | ok |
| GEO 4 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 10.53 | ok |
| GEO 4 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 10.53 | ok |
| GEO 4 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 10.54 | ok |
| GEO 4 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 10.54 | ok |
| GEO 2 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.55 | ok |
| GEO 2 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.55 | ok |
| GEO 3 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.57 | ok |
| GEO 3 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.57 | ok |
| GEO 4 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.58 | ok |
| GEO 4 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.58 | ok |
| GEO 4 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.62 | ok |
| GEO 4 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.62 | ok |
| GEO 1 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.67 | ok |
| GEO 1 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.67 | ok |
| SLVml 2 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.67 | ok |
| SLVml 1 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.67 | ok |
| SLVml 1 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.68 | ok |
| SLVml 2 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.68 | ok |
| GEO 1 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.71 | ok |
| GEO 1 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.71 | ok |
| GEO 4 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.75 | ok |
| GEO 4 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.75 | ok |
| GEO 1 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.79 | ok |
| GEO 1 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.79 | ok |
| SLVml 2 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.79 | ok |
| SLVml 1 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.79 | ok |
| GEO 2 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.81 | ok |
| GEO 2 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.81 | ok |
| GEO 3 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.84 | ok |
| GEO 3 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.84 | ok |
| GEO 3 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.88 | ok |
| GEO 3 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.88 | ok |
| GEO 2 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.93 | ok |
| GEO 2 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.93 | ok |
| GEO 3 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.95 | ok |
| GEO 3 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.95 | ok |
| GEO 4 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 11.02 | ok |
| GEO 4 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 11.02 | ok |
| GEO 2 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 11.06 | ok |
| GEO 2 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 11.06 | ok |
| GEO 4 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 11.12 | ok |
| GEO 4 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 11.12 | ok |
| GEO 1 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.14 | ok |
| GEO 1 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.14 | ok |
| SLVml 1 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 11.14 | ok |
| SLVml 2 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 11.14 | ok |
| SLVml 2 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.21 | ok |
| SLVml 1 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.21 | ok |
| GEO 2 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 11.24 | ok |
| GEO 2 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 11.24 | ok |
| GEO 4 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 11.25 | ok |
| GEO 4 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 11.25 | ok |
| GEO 2 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 11.25 | ok |
| GEO 2 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 11.25 | ok |
| GEO 2 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 11.27 | ok |
| GEO 2 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 11.27 | ok |
| GEO 3 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.32 | ok |
| GEO 3 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.32 | ok |
| GEO 2 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 11.32 | ok |
| GEO 2 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 11.32 | ok |
| SLVml 2 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.42 | ok |
| SLVml 1 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.42 | ok |
| GEO 2 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.43 | ok |
| GEO 2 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.43 | ok |
| GEO 4 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 11.45 | ok |
| GEO 4 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 11.45 | ok |
| GEO 4 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 11.47 | ok |
| GEO 4 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 11.47 | ok |
| GEO 4 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 11.48 | ok |
| GEO 4 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 11.48 | ok |
| GEO 4 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 11.54 | ok |
| GEO 4 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 11.54 | ok |
| GEO 2 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.64 | ok |
| GEO 2 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.64 | ok |
| GEO 4 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.65 | ok |
| GEO 4 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.65 | ok |
| GEO 1 | 2 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.73 | ok |
| GEO 1 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.73 | ok |
| SLVml 1 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.8 | ok |
| SLVml 2 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.8 | ok |
| GEO 4 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.86 | ok |
| GEO 4 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.86 | ok |
| SLVml 2 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.87 | ok |
| SLVml 1 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.87 | ok |
| GEO 3 | 2 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.91 | ok |
| GEO 3 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.91 | ok |
| GEO 2 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.92 | ok |
| GEO 2 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.92 | ok |
| GEO 2 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.92 | ok |
| GEO 2 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.92 | ok |
| GEO 2 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.92 | ok |
| GEO 2 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.92 | ok |
| SLVml 3 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 12.05 | ok |
| SLVml 4 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 12.05 | ok |
| GEO 4 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 12.12 | ok |
| GEO 4 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 12.12 | ok |
| SLVml 4 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 12.13 | ok |
| SLVml 3 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 12.13 | ok |
| GEO 4 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 12.14 | ok |
| GEO 4 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 12.14 | ok |
| GEO 4 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 12.15 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 4 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 12.15 | ok |
| GEO 1 | 2 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 12.16 | ok |
| GEO 1 | 3 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 12.16 | ok |
| SLVml 4 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 12.22 | ok |
| SLVml 3 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 12.22 | ok |
| SLVml 4 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12.31 | ok |
| SLVml 3 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12.31 | ok |
| GEO 3 | 3 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 12.35 | ok |
| GEO 3 | 2 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 12.35 | ok |
| SLVml 4 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 12.36 | ok |
| SLVml 3 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 12.36 | ok |
| GEO 2 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.45 | ok |
| GEO 2 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.45 | ok |
| SLVml 3 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 12.5 | ok |
| SLVml 4 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 12.5 | ok |
| SLVml 4 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 12.58 | ok |
| SLVml 3 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 12.58 | ok |
| SLVml 4 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 12.62 | ok |
| SLVml 3 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 12.62 | ok |
| SLVml 3 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 12.68 | ok |
| SLVml 4 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 12.68 | ok |
| SLVml 3 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 12.68 | ok |
| SLVml 4 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 12.68 | ok |
| GEO 4 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.68 | ok |
| GEO 4 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.68 | ok |
| SLVml 4 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12.82 | ok |
| SLVml 3 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12.82 | ok |
| SLVml 4 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 12.85 | ok |
| SLVml 3 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 12.85 | ok |
| SLVml 4 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 12.86 | ok |
| SLVml 3 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 12.86 | ok |
| GEO 1 | 3 | 92 | 4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 12.91 | ok |
| GEO 1 | 2 | 92 | 4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 12.91 | ok |
| SLVml 4 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 13.02 | ok |

Significato dei simboli utilizzati:

- Cmb: combinazione di calcolo
Stg: fase di calcolo
Id: indice del centro
Xc: coordinata X del centro [m]
Zc: coordinata Z del centro [m]
Rg: raggio della superfice circolare [m]
Lg: lunghezza della superficie circolare [m]
Asx: angolo con l'orizzontale formato dalla superficie a sx [deg]
Adx: angolo con l'orizzontale (deg) formato dalla superficie a dx [deg]
CS: fattore di sicurezza normalizzato Rd/Ed
Ver: stato di verifica

Verifiche di stabilit  locale

Verifiche di rototraslazione intorno a un punto dell'opera (atto di moto rigido)

| Stato | | | | Traslazione X positiva | | Traslazione X negativa | | Rotazione Y positiva | | | Rotazione Y negativa | | | MinSF | | Ver |
|---------|-----|----|----|------------------------|------|------------------------|------|----------------------|---------|-------|----------------------|----------|-------|-----------|-----|-----|
| Cmb | Stg | CT | CR | RdT+ | EdT+ | RdT- | EdT- | Z+ | RdR+ | EdR+ | Z- | RdR- | EdR- | CSmin | For | |
| SLVml 2 | 3 | Si | Si | 125448 | 211 | 66687 | -204 | 5.4 | 6500706 | 42234 | 4.8 | 15575376 | 37695 | 153.9 | Ry+ | ok |
| SLVml 1 | 3 | Si | Si | 125448 | 211 | 66687 | -204 | 5.4 | 6500706 | 42234 | 4.8 | 15575376 | 37695 | 153.9 | Ry+ | ok |
| SLEr 1 | 3 | Si | Si | 136911 | 0 | 71609 | 0 | 5.4 | 6965951 | 0 | 0 | 32968496 | 0 | 999999999 | Ry+ | ok |
| GEO 4 | 3 | Si | Si | 102245 | 0 | 53469 | 0 | 5.4 | 5146273 | 0 | 5.4 | 15574657 | 0 | 999999999 | Ry+ | ok |
| GEO 3 | 3 | Si | Si | 106667 | 0 | 53469 | 0 | 5.4 | 5165106 | 0 | 0 | 24685329 | 0 | 999999999 | Ry+ | ok |
| GEO 2 | 3 | Si | Si | 102925 | 0 | 53469 | 0 | 5.4 | 5149171 | 0 | 0 | 24685329 | 0 | 999999999 | Ry+ | ok |
| GEO 1 | 3 | Si | Si | 107348 | 0 | 53469 | 0 | 5.4 | 5168003 | 0 | 0 | 24685329 | 0 | 999999999 | Ry+ | ok |
| STR 8 | 3 | Si | Si | 131380 | 0 | 71609 | 0 | 5.4 | 6941058 | 0 | 5.4 | 20073651 | 0 | 999999999 | Ry+ | ok |
| STR 7 | 3 | Si | Si | 137306 | 0 | 71609 | 0 | 5.4 | 6967729 | 0 | 0 | 32968496 | 0 | 999999999 | Ry+ | ok |
| STR 6 | 3 | Si | Si | 133750 | 0 | 71609 | 0 | 5.4 | 6951726 | 0 | 5.4 | 20475490 | 0 | 999999999 | Ry+ | ok |
| STR 5 | 3 | Si | Si | 139677 | 0 | 71609 | 0 | 5.4 | 6978397 | 0 | 0 | 32968496 | 0 | 999999999 | Ry+ | ok |
| STR 4 | 3 | Si | Si | 148876 | 0 | 77317 | 0 | 5.4 | 7362340 | 0 | 5.4 | 21982505 | 0 | 999999999 | Ry+ | ok |
| STR 3 | 3 | Si | Si | 154802 | 0 | 77317 | 0 | 5.4 | 7389011 | 0 | 0 | 35816781 | 0 | 999999999 | Ry+ | ok |
| STR 2 | 3 | Si | Si | 151246 | 0 | 77317 | 0 | 5.4 | 7373008 | 0 | 5.4 | 22384344 | 0 | 999999999 | Ry+ | ok |
| STR 1 | 3 | Si | Si | 157173 | 0 | 77317 | 0 | 5.4 | 7399679 | 0 | 0 | 35816781 | 0 | 999999999 | Ry+ | ok |
| SLEqp 2 | 3 | Si | Si | 132960 | 0 | 71609 | 0 | 5.4 | 6948170 | 0 | 5.4 | 20341544 | 0 | 999999999 | Ry+ | ok |
| SLEqp 1 | 3 | Si | Si | 134145 | 0 | 71609 | 0 | 5.4 | 6953504 | 0 | 5.4 | 20542463 | 0 | 999999999 | Ry+ | ok |
| SLEf 2 | 3 | Si | Si | 132960 | 0 | 71609 | 0 | 5.4 | 6948170 | 0 | 5.4 | 20341544 | 0 | 999999999 | Ry+ | ok |
| SLEf 1 | 3 | Si | Si | 134936 | 0 | 71609 | 0 | 5.4 | 6957060 | 0 | 5.4 | 20676410 | 0 | 999999999 | Ry+ | ok |
| SLEr 2 | 3 | Si | Si | 132960 | 0 | 71609 | 0 | 5.4 | 6948170 | 0 | 5.4 | 20341544 | 0 | 999999999 | Ry+ | ok |
| SLVml 3 | 3 | Si | Si | 125448 | 0 | 66687 | 0 | 5.4 | 6500706 | 0 | 0 | 30661430 | 0 | 999999999 | Ry+ | ok |
| SLVml 4 | 3 | Si | Si | 125448 | 0 | 66687 | 0 | 5.4 | 6500706 | 0 | 0 | 30661430 | 0 | 999999999 | Ry+ | ok |

Verifiche geotecniche di capacit  portante verticale dell'opera

| Id | Cmb | Stg | Fvb | Leff | Cnd | An | Coes | Fid | Gs | Qd | ANmax | Gmm | Rd | Ed | CS | Ver |
|----|---------|-----|---------|------|-----|----|------|-----|------|------|-------|-----|---------|--------|-------|-----|
| 1 | STR 1 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 2 | STR 2 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 3 | STR 3 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 4 | STR 4 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 5 | STR 5 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 6 | STR 6 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 7 | STR 7 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 8 | STR 8 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 9 | SLVml 1 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 10 | SLVml 2 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 11 | SLVml 3 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 12 | SLVml 4 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |

Fattori di capacit  portante verticale

| Id | N | | | S | | | D | | | P | | | E | | |
|----|----|----|----|------|------|------|------|------|---|---|---|---|------|------|------|
| | q | c | g | q | c | g | q | c | g | q | c | g | q | c | g |
| 1 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 2 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 3 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 4 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 5 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 6 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 7 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 8 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 9 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |

| Id | N | | | S | | | D | | | P | | | E | | |
|----|----|----|----|------|------|------|------|------|---|---|---|---|------|------|------|
| | q | c | g | q | c | g | q | c | g | q | c | g | q | c | g |
| 10 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 11 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 12 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |

Significato dei simboli utilizzati:

Ver: stato di verifica

Stato: stato

Cmb: combinazione di calcolo

Stg: fase di calcolo

CT: la paratia può traslare

CR: la paratia può ruotare

Traslazione X positiva: verifica alla traslazione rigida verso X positiva

RdT+: resistenza massima disponibile per spostamento lungo X positiva [daN]

EdT+: azioni agenti lungo X positiva [daN]

Traslazione X negativa: verifica alla traslazione rigida verso X negativa

RdT-: resistenza massima disponibile per spostamento lungo X negativa [daN]

EdT-: azioni agenti lungo X negativa [daN]

Rotazione Y positiva: verifica alla rotazione rigida attorno Y positiva

Z+: quota del nodo di verifica con peggiore coefficiente di sicurezza

RdR+: momento resistente massimo per rotazione attorno ad Y positiva [daN]

EdR+: momento complessivo agente attorno ad Y positiva [daN]

Rotazione Y negativa: verifica alla rotazione rigida attorno Y negativa

Z-: quota del nodo di verifica con peggiore coefficiente di sicurezza

RdR-: momento resistente massimo per rotazione attorno ad Y negativa [daN]

EdR-: momento complessivo agente attorno ad Y negativa [daN]

MinSF: fattore di sicurezza minimo

CSmin: coefficiente di sicurezza minimo

For: qualificatore della verifica peggiore

Id: indice

Fvb: forza verticale alla base [daN]

Leff: larghezza efficace [m]

Cnd: condizione di calcolo considerata (BT o LT)

An: eventuali anomalie riscontrate nel calcolo (-=Nessuna anomalia; E=Espulsione del terreno; R=Rottura del terreno; A=Azzeramento dimensione efficace; I=Ipotesi non rispettate; S=Sollevamento della fondazione; D=Dati errati; G=Errore generico)

Coes: coesione di progetto [daN/m²]

Fid: angolo di attrito di progetto [deg]

Gs: peso specifico del suolo di progetto [daN/m³]

Qd: sovraccarico di progetto [daN/m²]

ANmax: accelerazione normalizzata massima attesa al suolo

Gmm: fattore parziale gamma M

Rd: resistenza di progetto [daN]

Ed: azione di progetto (sforzo normale al piano di posa) [daN]

CS: fattore di sicurezza normalizzato Rd/Ed

N: fattore di capacità portante, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

q:

c:

g:

S: fattore correttivo di capacità portante per forma (shape), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

D: fattore correttivo di capacità portante per approfondimento (deep), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

P: fattore correttivo di capacità portante per punzonamento, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

E: fattore correttivo di capacità portante per sisma (earthquake), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

Verifiche Strutturali

Tipo di sezione: Circolare in c.a.

Ingombro esterno singola sezione: 0.4 x 0.4

Copriferro minimo inferiore: 0.035

Copriferro minimo superiore: 0.035

Area complessiva in cls: 0.12566

Larghezza collaborante a taglio: 0.354

Coefficiente parziale sul cls, gammaC: 1.5

Coefficiente parziale sulle barre di armatura, gammaS: 1.15

Resistenza caratteristica a snervamento delle barre di armatura Fyk: 45000000

Resistenza caratteristica del cls Fck: 2490000

Livello di conoscenza: Nuovo

Classe di esposizione del cls: XC2

Verifiche strutturali - Percentuali di armatura

| Z | Armatura longitudinale | | | | | | Staffe | | | | Ver |
|-----|------------------------|-----|-----|------|------|------|--------|--------|------|--------|-----|
| | AaeTot | Aai | Aas | Pat | Pmin | Pmax | Dst | DstMin | Pst | PstMax | |
| 0.2 | 0 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.4 | 0.00022 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.6 | 0.00122 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.8 | 0.00221 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |

| Z | Armatura longitudinale | | | | | | | Staffe | | | | Ver |
|-----|------------------------|-----|-----|------|------|------|---|--------|--------|------|--------|-----|
| | AaeTot | Aai | Aas | Pat | Pmin | Pmax | | Dst | DstMin | Pst | PstMax | |
| 4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.2 | 0.00221 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.4 | 0.00122 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.6 | 0.00022 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.8 | 0 | 0 | 0 | 1.92 | 0.3 | 4 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |

Verifiche strutturali di resistenza in STR

| Dati sezione | | | | | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|------|----|---|---------|-----|-------|-----|-----------------|-------|-------|--------|-------|----|-----|--|--|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSl | | Ver | | | |
| 0.2 | STR 1 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 2 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 3 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 4 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 5 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 6 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 7 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 8 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 1 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 2 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 3 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 4 | 3 | -82 | 0 | 0 | -140939 | 0 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 5 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 6 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 7 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.2 | STR 8 | 3 | -63 | 0 | 0 | -140939 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 1 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 2 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 3 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 4 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 5 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 6 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 7 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 8 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 1 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 2 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 3 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 4 | 3 | -163 | 0 | 0 | -149688 | 0 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 5 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 6 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | | | | |
| 0.4 | STR 7 | 3 | -126 | 0 | 0 | -149688 | 0 | 0 | 0 | 5110 | | | | | | | | | |

| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | Ver |
|-----|-------|-----|------|----|---|---------|-----|-------|-----|------|-------|-------|------|-------|-----|
| 1.2 | STR 4 | 3 | -490 | 0 | 0 | -235351 | 0 | 0 | 0 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 5 | 3 | -377 | 0 | 0 | -235351 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 6 | 3 | -377 | 0 | 0 | -235351 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 7 | 3 | -377 | 0 | 0 | -235351 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 8 | 3 | -377 | 0 | 0 | -235351 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 1 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 2 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 3 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 4 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 5 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 6 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 7 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 8 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 1 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 2 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 3 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 4 | 3 | -572 | 0 | 0 | -235351 | 0 | 0 | 0 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 5 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 6 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 7 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 8 | 3 | -440 | 0 | 0 | -235351 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 1 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 2 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 3 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 4 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 5 | 3 | -503 | 0 | 0 | -235351 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 6 | 3 | -503 | 0 | 0 | -235351 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 7 | 3 | -503 | 0 | 0 | -235351 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 8 | 3 | -503 | 0 | 0 | -235351 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 1 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 2 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 3 | 3 | -653 | 0 | 0 | -235351 | 0 | 0 | 0 | 5189 | 30668 | 35185 | 2.15 | | |

| Dati sezione | | | | | | Pressoflessione | | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----|---|-----------------|-----|-------|-----|--------|-------|-------|------|-------|----|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | | |
| 2.6 | STR 5 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 6 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 7 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 8 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 1 | 3 | -1062 | 0 | 0 | -235351 | 0 | 0 | 0 | 5250 | 30738 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 2 | 3 | -1062 | 0 | 0 | -235351 | 0 | 0 | 0 | 5250 | 30738 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 3 | 3 | -1062 | 0 | 0 | -235351 | 0 | 0 | 0 | 5250 | 30738 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 4 | 3 | -1062 | 0 | 0 | -235351 | 0 | 0 | 0 | 5250 | 30738 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 5 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 6 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 7 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | STR 8 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 1 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 2 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 3 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 4 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 5 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 6 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 7 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 8 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 1 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 2 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 3 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 4 | 3 | -1144 | 0 | 0 | -235351 | 0 | 0 | 0 | 5262 | 30752 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 5 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 6 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 7 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | STR 8 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 3 | STR 1 | 3 | -1225 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5275 | 30766 | 35185 | 2.15 | 0 | ok | |
| 3 | STR 2 | 3 | -1225 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5275 | 30766 | 35185 | 2.15 | 0 | ok | |
| 3 | STR 3 | 3 | -1225 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5275 | 30766 | 35185 | 2.15 | 0 | ok | |
| 3 | STR 4 | 3 | -1225 | 0 | 0 | -235351</ | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | Ver | | |
|--------------|-------|-----|-------|----|---|-----------------|-----|-------|--------|------|-------|-------|------|-------|----|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | | Ver |
| 3.8 | STR 6 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | STR 7 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | STR 8 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 1 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 2 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 3 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 4 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 5 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 6 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 7 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 8 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 1 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 2 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 3 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 4 | 3 | -1634 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 5 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 6 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 7 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | STR 8 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 1 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 2 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 3 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 4 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 5 | 3 | -1319 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5289 | 30782 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 6 | 3 | -1319 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5289 | 30782 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 7 | 3 | -1319 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5289 | 30782 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 8 | 3 | -1319 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5289 | 30782 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 1 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 2 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.15 | 0 | ok | |
| 4.2 | STR 3 | 3 | -1715 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5348 | 30851 | 35185 | 2.1 | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----|---|-----------------|-----|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSr | |
| 5.2 | STR 7 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 8 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 1 | 3 | -2124 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5410 | 30921 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 2 | 3 | -2124 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5410 | 30921 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 3 | 3 | -2124 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5410 | 30921 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 4 | 3 | -2124 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5410 | 30921 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 5 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 6 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 7 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | STR 8 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 1 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 2 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 3 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 4 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 5 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 6 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 7 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 8 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 1 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 2 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 3 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 4 | 3 | -2205 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5422 | 30935 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 5 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 6 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 7 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | STR 8 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 1 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 2 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 3 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 4 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 5 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 6 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 7 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 8 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 1 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 2 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 3 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 4 | 3 | -2287 | 0 | 0 | -149688 | 0 | 0.02 | 0 | 5434 | 30949 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 5 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 6 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 7 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | STR 8 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 1 | 3 | -2369 | 0 | 0 | -140939 | 0 | 0.02 | 0 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 2 | 3 | -2369 | 0 | 0 | -140939 | 0 | 0.02 | 0 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 3 | 3 | -2369 | 0 | 0 | -140939 | 0 | 0.02 | 0 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 4 | 3 | -2369 | 0 | 0 | -140939 | 0 | 0.02 | 0 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 5 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 6 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 7 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 8 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |

Verifiche strutturali di esercizio in SLer

| Dati sezione | | | | | | Tensioni | | | | Fessure | | | | | Ver |
|--------------|--------|-----|------|----|-------|----------|---------|----------|-------|---------|----|------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSr | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLer 1 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLer 2 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLer 1 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLer 2 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLer 1 | 3 | -126 | 0 | -980 | -14702 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLer 2 | 3 | -126 | 0 | -980 | -14702 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLer 1 | 3 | -126 | 0 | -980 | -14702 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLer 2 | 3 | -126 | 0 | -980 | -14702 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLer 1 | 3 | -188 | 0 | -1317 | -19756 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLer 2 | 3 | -188 | 0 | -1317 | -19756 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLer 1 | 3 | -188 | 0 | -1317 | -19756 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLer 2 | 3 | -188 | 0 | -1317 | -19756 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLer 1 | 3 | -251 | 0 | -1590 | -23857 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLer 2 | 3 | -251 | 0 | -1590 | -23857 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLer 1 | 3 | -251 | 0 | -1590 | -23857 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLer 2 | 3 | -251 | 0 | -1590 | -23857 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLer 1 | 3 | -314 | 0 | -1951 | -29261 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLer 2 | 3 | -314 | 0 | -1951 | -29261 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLer 1 | 3 | -314 | 0 | -1951 | -29261 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLer 2 | 3 | -314 | 0 | -1951 | -29261 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLer 1 | 3 | -377 | 0 | -2341 | -35113 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLer 2 | 3 | -377 | 0 | -2341 | -35113 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLer 1 | 3 | -377 | 0 | -2341 | -35113 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLer 2 | 3 | -377 | 0 | -2341 | -35113 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLer 1 | 3 | -440 | 0 | -2731 | -40965 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLer 2 | 3 | -440 | 0 | -2731 | -40965 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLer 1 | 3 | -440 | 0 | -2731 | -40965 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLer 2 | 3 | -440 | 0 | -2731 | -40965 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLer 1 | 3 | -503 | 0 | -3121 | -46817 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLer 2 | 3 | -503 | 0 | -3121 | -46817 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLer 1 | 3 | -503 | 0 | -3121 | -46817 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLer 2 | 3 | -503 | 0 | -3121 | -46817 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.8 | SLer 1 | 3 | -565 | 0 | -3511 | -52669 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.8 | SLer 2 | 3 | -565 | 0 | -3511 | -52669 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.8 | SLer 1 | 3 | -565 | 0 | -3511 | -52669 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.8 | SLer 2 | 3 | -565 | 0 | -3511 | -52669 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2 | SLer 1 | 3 | -628 | 0 | -3901 | -58521 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2 | SLer 2 | 3 | -628 | 0 | -3901 | -58521 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2 | SLer 1 | 3 | -628 | 0 | -3901 | -58521 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2 | SLer 2 | 3 | -628 | 0 | -3901 | -58521 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.2 | SLer 1 | 3 | -691 | 0 | -4292 | -64373 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.2 | SLer 2 | 3 | -691 | 0 | -4292 | -64373 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.2 | SLer 1 | 3 | -691 | 0 | -4292 | -64373 | 1494000 | 36000000 | 0 | | | | | | ok |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|-------|----|----------|---------|---------|----------|-------|---------|----|------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 2.2 | SLer 2 | 3 | -691 | 0 | -4292 | -64373 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.4 | SLer 1 | 3 | -754 | 0 | -4682 | -70225 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.4 | SLer 2 | 3 | -754 | 0 | -4682 | -70225 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.4 | SLer 1 | 3 | -754 | 0 | -4682 | -70225 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.4 | SLer 2 | 3 | -754 | 0 | -4682 | -70225 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.6 | SLer 1 | 3 | -817 | 0 | -5072 | -76078 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.6 | SLer 2 | 3 | -817 | 0 | -5072 | -76078 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.6 | SLer 1 | 3 | -817 | 0 | -5072 | -76078 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.6 | SLer 2 | 3 | -817 | 0 | -5072 | -76078 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.8 | SLer 1 | 3 | -880 | 0 | -5462 | -81930 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.8 | SLer 2 | 3 | -880 | 0 | -5462 | -81930 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.8 | SLer 1 | 3 | -880 | 0 | -5462 | -81930 | 1494000 | 36000000 | 0 | | | | | | ok |
| 2.8 | SLer 2 | 3 | -880 | 0 | -5462 | -81930 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3 | SLer 1 | 3 | -942 | 0 | -5852 | -87782 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3 | SLer 2 | 3 | -942 | 0 | -5852 | -87782 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3 | SLer 1 | 3 | -942 | 0 | -5852 | -87782 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3 | SLer 2 | 3 | -942 | 0 | -5852 | -87782 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.2 | SLer 1 | 3 | -1005 | 0 | -6242 | -93634 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.2 | SLer 2 | 3 | -1005 | 0 | -6242 | -93634 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.2 | SLer 1 | 3 | -1005 | 0 | -6242 | -93634 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.2 | SLer 2 | 3 | -1005 | 0 | -6242 | -93634 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.4 | SLer 1 | 3 | -1068 | 0 | -6632 | -99486 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.4 | SLer 2 | 3 | -1068 | 0 | -6632 | -99486 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.4 | SLer 1 | 3 | -1068 | 0 | -6632 | -99486 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.4 | SLer 2 | 3 | -1068 | 0 | -6632 | -99486 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.6 | SLer 1 | 3 | -1131 | 0 | -7023 | -105338 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.6 | SLer 2 | 3 | -1131 | 0 | -7023 | -105338 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.6 | SLer 1 | 3 | -1131 | 0 | -7023 | -105338 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.6 | SLer 2 | 3 | -1131 | 0 | -7023 | -105338 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.8 | SLer 1 | 3 | -1194 | 0 | -7413 | -111190 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.8 | SLer 2 | 3 | -1194 | 0 | -7413 | -111190 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.8 | SLer 1 | 3 | -1194 | 0 | -7413 | -111190 | 1494000 | 36000000 | 0 | | | | | | ok |
| 3.8 | SLer 2 | 3 | -1194 | 0 | -7413 | -111190 | 1494000 | 36000000 | 0 | | | | | | ok |
| 4 | SLer 1 | 3 | -1257 | 0 | -7803 | -117042 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4 | SLer 2 | 3 | -1257 | 0 | -7803 | -117042 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4 | SLer 1 | 3 | -1257 | 0 | -7803 | -117042 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4 | SLer 2 | 3 | -1257 | 0 | -7803 | -117042 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.2 | SLer 1 | 3 | -1319 | 0 | -8193 | -122895 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.2 | SLer 2 | 3 | -1319 | 0 | -8193 | -122895 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.2 | SLer 1 | 3 | -1319 | 0 | -8193 | -122895 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.2 | SLer 2 | 3 | -1319 | 0 | -8193 | -122895 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.4 | SLer 1 | 3 | -1382 | 0 | -8583 | -128747 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.4 | SLer 2 | 3 | -1382 | 0 | -8583 | -128747 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.4 | SLer 1 | 3 | -1382 | 0 | -8583 | -128747 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.4 | SLer 2 | 3 | -1382 | 0 | -8583 | -128747 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.6 | SLer 1 | 3 | -1445 | 0 | -8973 | -134599 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.6 | SLer 2 | 3 | -1445 | 0 | -8973 | -134599 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.6 | SLer 1 | 3 | -1445 | 0 | -8973 | -134599 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.6 | SLer 2 | 3 | -1445 | 0 | -8973 | -134599 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.8 | SLer 1 | 3 | -1508 | 0 | -9363 | -140451 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.8 | SLer 2 | 3 | -1508 | 0 | -9363 | -140451 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.8 | SLer 1 | 3 | -1508 | 0 | -9363 | -140451 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 4.8 | SLer 2 | 3 | -1508 | 0 | -9363 | -140451 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5 | SLer 1 | 3 | -1571 | 0 | -9754 | -146303 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5 | SLer 2 | 3 | -1571 | 0 | -9754 | -146303 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5 | SLer 1 | 3 | -1571 | 0 | -9754 | -146303 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5 | SLer 2 | 3 | -1571 | 0 | -9754 | -146303 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.2 | SLer 1 | 3 | -1634 | 0 | -10338 | -155069 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.2 | SLer 2 | 3 | -1634 | 0 | -10338 | -155069 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.2 | SLer 1 | 3 | -1634 | 0 | -10338 | -155069 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.2 | SLer 2 | 3 | -1634 | 0 | -10338 | -155069 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.4 | SLer 1 | 3 | -1696 | 0 | -11854 | -177805 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.4 | SLer 2 | 3 | -1696 | 0 | -11854 | -177805 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.4 | SLer 1 | 3 | -1696 | 0 | -11854 | -177805 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.4 | SLer 2 | 3 | -1696 | 0 | -11854 | -177805 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.6 | SLer 1 | 3 | -1759 | 0 | -13722 | -205827 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.6 | SLer 2 | 3 | -1759 | 0 | -13722 | -205827 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.6 | SLer 1 | 3 | -1759 | 0 | -13722 | -205827 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.6 | SLer 2 | 3 | -1759 | 0 | -13722 | -205827 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 1 | 3 | -1822 | 0 | -14594 | -218904 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 2 | 3 | -1822 | 0 | -14594 | -218904 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 1 | 3 | -1822 | 0 | -14594 | -218904 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 2 | 3 | -1822 | 0 | -14594 | -218904 | 1494000 | 36000000 | 0.01 | | | | | | ok |

Verifiche strutturali di esercizio in SLEf

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|------|----|----------|----|------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLEf 1 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 2 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 1 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 2 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 1 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 2 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 1 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 2 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 1 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 2 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 1 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 2 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 1 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 2 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 1 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 2 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 1 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 2 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 1 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 2 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 1 | 3 | -377 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 2 | 3 | -377 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 1 | 3 | -377 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 2 | 3 | -377 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 1 | 3 | -440 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 2 | 3 | -440 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 1 | 3 | -440 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 2 | 3 | -440 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|-------|----|----------|----|------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 1.6 | SLEf 1 | 3 | -503 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 2 | 3 | -503 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 1 | 3 | -503 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 2 | 3 | -503 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 1 | 3 | -565 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 2 | 3 | -565 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 1 | 3 | -565 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 2 | 3 | -565 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 1 | 3 | -628 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 2 | 3 | -628 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 1 | 3 | -628 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 2 | 3 | -628 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 1 | 3 | -691 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 2 | 3 | -691 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 1 | 3 | -691 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 2 | 3 | -691 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 1 | 3 | -754 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 2 | 3 | -754 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 1 | 3 | -754 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 2 | 3 | -754 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 1 | 3 | -817 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 2 | 3 | -817 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 1 | 3 | -817 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 2 | 3 | -817 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 1 | 3 | -880 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 2 | 3 | -880 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 1 | 3 | -880 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 2 | 3 | -880 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 1 | 3 | -942 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 2 | 3 | -942 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 1 | 3 | -942 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 2 | 3 | -942 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 1 | 3 | -1005 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 2 | 3 | -1005 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 1 | 3 | -1005 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 2 | 3 | -1005 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 1 | 3 | -1068 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 2 | 3 | -1068 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 1 | 3 | -1068 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 2 | 3 | -1068 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 1 | 3 | -1131 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 2 | 3 | -1131 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 1 | 3 | -1131 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 2 | 3 | -1131 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 1 | 3 | -1194 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 2 | 3 | -1194 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 1 | 3 | -1194 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 2 | 3 | -1194 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 1 | 3 | -1257 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 2 | 3 | -1257 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 1 | 3 | -1257 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 2 | 3 | -1257 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 1 | 3 | -1319 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 2 | 3 | -1319 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 1 | 3 | -1319 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 2 | 3 | -1319 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 1 | 3 | -1382 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 2 | 3 | -1382 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 1 | 3 | -1382 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 2 | 3 | -1382 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 1 | 3 | -1445 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 2 | 3 | -1445 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 1 | 3 | -1445 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 2 | 3 | -1445 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 1 | 3 | -1508 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 2 | 3 | -1508 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 1 | 3 | -1508 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 2 | 3 | -1508 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 1 | 3 | -1571 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 2 | 3 | -1571 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 1 | 3 | -1571 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 2 | 3 | -1571 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 1 | 3 | -1634 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 2 | 3 | -1634 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 1 | 3 | -1634 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 2 | 3 | -1634 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 1 | 3 | -1696 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 2 | 3 | -1696 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 1 | 3 | -1696 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 2 | 3 | -1696 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 1 | 3 | -1759 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 2 | 3 | -1759 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 1 | 3 | -1759 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 2 | 3 | -1759 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 1 | 3 | -1822 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 2 | 3 | -1822 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 1 | 3 | -1822 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 2 | 3 | -1822 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |

Verifiche strutturali di esercizio in SLEqp

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|---------|-----|------|----|----------|----|---------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLEqp 1 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 2 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 1 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 2 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 1 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 2 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 1 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 2 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 1 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 2 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 1 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 2 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 1 | 3 | -251 | 0 | -1590 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |

| Dati sezione | | | | | Tensioni | | | | | | | Fessure | | | | | Ver |
|--------------|---------|-----|------|----|----------|----|---------|------|-------|------|----|---------|-----|-------|----|--|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/Cst | Fess | Wm | Wadm | Srm | 1/CSf | | | |
| 0.8 | SLEqp 2 | 3 | -251 | 0 | -1590 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 0.8 | SLEqp 1 | 3 | -251 | 0 | -1590 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 0.8 | SLEqp 2 | 3 | -251 | 0 | -1590 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1 | SLEqp 1 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1 | SLEqp 2 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1 | SLEqp 1 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1 | SLEqp 2 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.2 | SLEqp 1 | 3 | -377 | 0 | -2341 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.2 | SLEqp 2 | 3 | -377 | 0 | -2341 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.2 | SLEqp 1 | 3 | -377 | 0 | -2341 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.2 | SLEqp 2 | 3 | -377 | 0 | -2341 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.4 | SLEqp 1 | 3 | -440 | 0 | -2731 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.4 | SLEqp 2 | 3 | -440 | 0 | -2731 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.4 | SLEqp 1 | 3 | -440 | 0 | -2731 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.4 | SLEqp 2 | 3 | -440 | 0 | -2731 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.6 | SLEqp 1 | 3 | -503 | 0 | -3121 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.6 | SLEqp 2 | 3 | -503 | 0 | -3121 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.6 | SLEqp 1 | 3 | -503 | 0 | -3121 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.6 | SLEqp 2 | 3 | -503 | 0 | -3121 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.8 | SLEqp 1 | 3 | -565 | 0 | -3511 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.8 | SLEqp 2 | 3 | -565 | 0 | -3511 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.8 | SLEqp 1 | 3 | -565 | 0 | -3511 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 1.8 | SLEqp 2 | 3 | -565 | 0 | -3511 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2 | SLEqp 1 | 3 | -628 | 0 | -3901 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2 | SLEqp 2 | 3 | -628 | 0 | -3901 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2 | SLEqp 1 | 3 | -628 | 0 | -3901 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2 | SLEqp 2 | 3 | -628 | 0 | -3901 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2.2 | SLEqp 1 | 3 | -691 | 0 | -4292 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2.2 | SLEqp 2 | 3 | -691 | 0 | -4292 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2.2 | SLEqp 1 | 3 | -691 | 0 | -4292 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2.2 | SLEqp 2 | 3 | -691 | 0 | -4292 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2.4 | SLEqp 1 | 3 | -754 | 0 | -4682 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok | | |
| 2.4 | SLEqp 2 | 3 | -754 | 0 | -4682 | | 1120500 | | 0</ | | | | | | | | |

Verifiche strutturali di resistenza in SLVm1

| Dati sezione | | | | | | | Pressoflessione | | | | Taglio | | | | | | Ver |
|--------------|---------|-----|------|--------|----|--|-----------------|----------|-------|----|--------|-------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | | Nu | Mxu | 1/CSf | | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 0.2 | SLVm1 1 | 3 | -63 | -0.74 | 4 | | -140939 | -1649.25 | 0 | | 4 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVm1 2 | 3 | -63 | -0.74 | 4 | | -140939 | -1649.25 | 0 | | 4 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVm1 3 | 3 | -63 | 0 | 0 | | -140939 | 0 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVm1 4 | 3 | -63 | 0 | 0 | | -140939 | 0 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVm1 1 | 3 | -63 | -0.74 | 11 | | -140939 | -1649.25 | 0 | 11 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | |
| 0.2 | SLVm1 2 | 3 | -63 | -0.74 | 11 | | -140939 | -1649.25 | 0 | 11 | 5100 | 30566 | 35185 | 2.15 | 0 | ok | |
| 0.2 | SLVm1 3 | 3 | -63 | 0 | 0 | | -140939 | 0 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVm1 4 | 3 | -63 | 0 | 0 | | -140939 | 0 | 0 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVm1 1 | 3 | -126 | -2.94 | 11 | | -142336 | -3331.18 | 0 | 11 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | |
| 0.4 | SLVm1 2 | 3 | -126 | -2.94 | 11 | | -142336 | -3331.18 | 0 | 11 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | |
| 0.4 | SLVm1 3 | 3 | -126 | 0 | 0 | | -149688 | 0 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVm1 4 | 3 | -126 | 0 | 0 | | -149688 | 0 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVm1 1 | 3 | -126 | -2.94 | 18 | | -142336 | -3331.18 | 0 | 18 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | |
| 0.4 | SLVm1 2 | 3 | -126 | -2.94 | 18 | | -142336 | -3331.18 | 0 | 18 | 5110 | 30577 | 35185 | 2.15 | 0 | ok | |
| 0.4 | SLVm1 3 | 3 | -126 | 0 | 0 | | -149688 | 0 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVm1 4 | 3 | -126 | 0 | 0 | | -149688 | 0 | 0 | 0 | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVm1 1 | 3 | -188 | -6.62 | 18 | | -151735 | -5326.69 | 0 | 18 | 5119 | 30587 | 35185 | 2.15 | 0 | ok | |
| 0.6 | SLVm1 2 | 3 | -188 | -6.62 | 18 | | -151735 | -5326.69 | 0 | 18 | 5119 | 30587 | 35185 | 2.15 | 0 | ok | |
| 0.6 | SLVm1 3 | 3 | -188 | 0 | 0 | | -188573 | 0 | 0 | 0 | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVm1 4 | 3 | -188 | 0 | 0 | | -188573 | 0 | 0 | 0 | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVm1 1 | 3 | -188 | -6.62 | 26 | | -151735 | -5326.69 | 0 | 26 | 5119 | 30587 | 35185 | 2.15 | 0 | ok | |
| 0.6 | SLVm1 2 | 3 | -188 | -6.62 | 26 | | -151735 | -5326.69 | 0 | 26 | 5119 | 30587 | 35185 | 2.15 | 0 | ok | |
| 0.6 | SLVm1 3 | 3 | -188 | 0 | 0 | | -188573 | 0 | 0 | 0 | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVm1 4 | 3 | -188 | 0 | 0 | | -188573 | 0 | 0 | 0 | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVm1 1 | 3 | -251 | -11.76 | 26 | | -158454 | -7416.75 | 0 | 26 | 5128 | 30598 | 35185 | 2.15 | 0 | ok | |
| 0.8 | SLVm1 2 | 3 | -251 | -11.76 | 26 | | -158454 | -7416.75 | 0 | 26 | 5128 | 30598 | 35185 | 2.15 | 0 | ok | |
| 0.8 | SLVm1 3 | 3 | -251 | 0 | 0 | | -227457 | 0 | 0 | 0 | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVm1 4 | 3 | -251 | 0 | 0 | | -227457 | 0 | 0 | 0 | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVm1 1 | 3 | -251 | -11.76 | 33 | | -158454 | -7416.75 | 0 | 33 | 5128 | 30598 | 35185 | 2.15 | 0 | ok | |
| 0.8 | SLVm1 2 | 3 | -251 | -11.76 | 33 | | -158454 | -7416.75 | 0 | 33 | 5128 | 30598 | 35185 | 2.15 | 0 | ok | |
| 0.8 | SLVm1 3 | 3 | -251 | 0 | 0 | | -227457 | 0 | 0 | 0 | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVm1 4 | 3 | -251 | 0 | 0 | | -227457 | 0 | 0 | 0 | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 1 | SLVm1 1 | 3 | -314 | -18.38 | 33 | | -146884 | -8593.98 | 0 | 33 | 5138 | 30609 | 35185 | 2.15 | 0 | ok | |
| 1 | SLVm1 2 | 3 | -314 | -18.38 | 33 | | -146884 | -8593.98 | 0 | 33 | 5138 | 30609 | 35185 | 2.15 | 0 | ok | |
| 1 | SLVm1 3 | 3 | -314 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | SLVm1 4 | 3 | -314 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | SLVm1 1 | 3 | -314 | -18.38 | 40 | | -146884 | -8593.98 | 0 | 40 | 5138 | 30609 | 35185 | 2.15 | 0 | ok | |
| 1 | SLVm1 2 | 3 | -314 | -18.38 | 40 | | -146884 | -8593.98 | 0 | 40 | 5138 | 30609 | 35185 | 2.15 | 0 | ok | |
| 1 | SLVm1 3 | 3 | -314 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | SLVm1 4 | 3 | -314 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVm1 1 | 3 | -377 | -26.47 | 40 | | -132501 | -9302.96 | 0 | 40 | 5147 | 30620 | 35185 | 2.15 | 0 | ok | |
| 1.2 | SLVm1 2 | 3 | -377 | -26.47 | 40 | | -132501 | -9302.96 | 0 | 40 | 5147 | 30620 | 35185 | 2.15 | 0 | ok | |
| 1.2 | SLVm1 3 | 3 | -377 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVm1 4 | 3 | -377 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVm1 1 | 3 | -377 | -26.47 | 48 | | -132501 | -9302.96 | 0 | 48 | 5147 | 30620 | 35185 | 2.15 | 0 | ok | |
| 1.2 | SLVm1 2 | 3 | -377 | -26.47 | 48 | | -132501 | -9302.96 | 0 | 48 | 5147 | 30620 | 35185 | 2.15 | 0 | ok | |
| 1.2 | SLVm1 3 | 3 | -377 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVm1 4 | 3 | -377 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVm1 1 | 3 | -440 | -36.03 | 48 | | -119704 | -9805.19 | 0 | 48 | 5157 | 30631 | 35185 | 2.15 | 0 | ok | |
| 1.4 | SLVm1 2 | 3 | -440 | -36.03 | 48 | | -119704 | -9805.19 | 0 | 48 | 5157 | 30631 | 35185 | 2.15 | 0 | ok | |
| 1.4 | SLVm1 3 | 3 | -440 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVm1 4 | 3 | -440 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVm1 1 | 3 | -440 | -36.03 | 55 | | -119704 | -9805.19 | 0 | 55 | 5157 | 30631 | 35185 | 2.15 | 0 | ok | |
| 1.4 | SLVm1 2 | 3 | -440 | -36.03 | 55 | | -119704 | -9805.19 | 0 | 55 | 5157 | 30631 | 35185 | 2.15 | 0 | ok | |
| 1.4 | SLVm1 3 | 3 | -440 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVm1 4 | 3 | -440 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVm1 1 | 3 | -503 | -47.06 | 55 | | -108495 | - | 0 | 55 | 5166 | 30642 | 35185 | 2.15 | 0 | ok | |
| 1.6 | SLVm1 2 | 3 | -503 | -47.06 | 55 | | -108495 | 10156.66 | 0 | 55 | 5166 | 30642 | 35185 | 2.15 | 0 | ok | |
| 1.6 | SLVm1 3 | 3 | -503 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVm1 4 | 3 | -503 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVm1 1 | 3 | -503 | -47.06 | 62 | | -108495 | - | 0 | 62 | 5166 | 30642 | 35185 | 2.15 | 0 | ok | |
| 1.6 | SLVm1 2 | 3 | -503 | -47.06 | 62 | | -108495 | 10156.66 | 0 | 62 | 5166 | 30642 | 35185 | 2.15 | 0 | ok | |
| 1.6 | SLVm1 3 | 3 | -503 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVm1 4 | 3 | -503 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVm1 1 | 3 | -565 | -59.55 | 62 | | -98847 | - | 0.01 | 62 | 5176 | 30652 | 35185 | 2.15 | 0 | ok | |
| 1.8 | SLVm1 2 | 3 | -565 | -59.55 | 62 | | -98847 | 10410.15 | 0.01 | 62 | 5176 | 30652 | 35185 | 2.15 | 0 | ok | |
| 1.8 | SLVm1 3 | 3 | -565 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVm1 4 | 3 | -565 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVm1 1 | 3 | -565 | -59.55 | 70 | | -98847 | - | 0.01 | 70 | 5176 | 30652 | 35185 | 2.15 | 0 | ok | |
| 1.8 | SLVm1 2 | 3 | -565 | -59.55 | 70 | | -98847 | 10410.15 | 0.01 | 70 | 5176 | 30652 | 35185 | 2.15 | 0 | ok | |
| 1.8 | SLVm1 3 | 3 | -565 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVm1 4 | 3 | -565 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| 2 | SLVm1 1 | 3 | -628 | -73.52 | 70 | | -90490 | - | 0.01 | 70 | 5185 | 30663 | 35185 | 2.15 | 0 | ok | |
| 2 | SLVm1 2 | 3 | -628 | -73.52 | 70 | | -90490 | 10588.85 | 0.01 | 70 | 5185 | 30663 | 35185 | 2.15 | 0 | ok | |
| 2 | SLVm1 3 | 3 | -628 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5185 | 30663 | 35185 | 2.15 | 0 | ok |
| 2 | SLVm1 4 | 3 | -628 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5185 | 30663 | 35185 | 2.15 | 0 | ok |
| 2 | SLVm1 1 | 3 | -628 | -73.52 | 77 | | -90490 | - | 0.01 | 77 | 5185 | 30663 | 35185 | 2.15 | 0 | ok | |
| 2 | SLVm1 2 | 3 | -628 | -73.52 | 77 | | -90490 | 10588.85 | 0.01 | 77 | 5185 | 30663 | 35185 | 2.15 | 0 | ok | |
| 2 | SLVm1 3 | 3 | -628 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5185 | 30663 | 35185 | 2.15 | 0 | ok |
| 2 | SLVm1 4 | 3 | -628 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5185 | 30663 | 35185 | 2.15 | 0 | ok |
| 2.2 | SLVm1 1 | 3 | -691 | -88.96 | 77 | | -83314 | - | 0.01 | 77 | 5195 | 30674 | 35185 | 2.15 | 0 | ok | |
| 2.2 | SLVm1 2 | 3 | -691 | -88.96 | 77 | | -83314 | 10724.09 | 0.01 | 77 | 5195 | 30674 | 35185 | 2.15 | 0 | ok | |
| 2.2 | SLVm1 3 | 3 | -691 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5195 | 30674 | 35185 | 2.15 | 0 | ok |
| 2.2 | SLVm1 4 | 3 | -691 | 0 | 0 | | -235351 | 0 | 0 | 0 | 0 | 5195 | 30674 | 35185 | 2.15 | 0 | ok |
| 2.2 | SLVm1 1 | 3 | -691 | -88.96 | 85 | | -83314 | - | 0.01 | 85 | 5195 | 30674 | 35185 | 2.15 | 0 | ok | |
| 2.2 | SLVm1 2 | 3 | -691 | -88.96 | 85 | | -83314 | 10724.09 | 0.01 | 85 | 5195 | 30674 | 35185 | 2.15 | 0 | ok | |
| 2.2 | SLVm1 3 | 3 | -691 | 0 | 0 | | | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | | Ver |
|--------------|---------|-----|-------|---------|-----|-----------------|----------|-------|--------|------|-------|-------|------|-------|----|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | | |
| 2.2 | SLVml 4 | 3 | -691 | 0 | 0 | -235351 | 0 | 0 | 0 | 5195 | 30674 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 1 | 3 | -754 | -105.87 | 85 | -77087 | -10824.6 | 0.01 | 85 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 2 | 3 | -754 | -105.87 | 85 | -77087 | -10824.6 | 0.01 | 85 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 3 | 3 | -754 | 0 | 0 | -235351 | 0 | 0 | 0 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 4 | 3 | -754 | 0 | 0 | -235351 | 0 | 0 | 0 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 1 | 3 | -754 | -105.87 | 92 | -77087 | -10824.6 | 0.01 | 92 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 2 | 3 | -754 | -105.87 | 92 | -77087 | -10824.6 | 0.01 | 92 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 3 | 3 | -754 | 0 | 0 | -235351 | 0 | 0 | 0 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.4 | SLVml 4 | 3 | -754 | 0 | 0 | -235351 | 0 | 0 | 0 | 5204 | 30685 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 1 | 3 | -817 | -124.26 | 92 | -71724 | -10910.8 | 0.01 | 92 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 2 | 3 | -817 | -124.26 | 92 | -71724 | -10910.8 | 0.01 | 92 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 3 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 4 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 1 | 3 | -817 | -124.26 | 99 | -71724 | -10910.8 | 0.01 | 99 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 2 | 3 | -817 | -124.26 | 99 | -71724 | -10910.8 | 0.01 | 99 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 3 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.6 | SLVml 4 | 3 | -817 | 0 | 0 | -235351 | 0 | 0 | 0 | 5213 | 30696 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 1 | 3 | -880 | -144.11 | 99 | -66996 | - | 0.01 | 99 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 2 | 3 | -880 | -144.11 | 99 | -66996 | 10975.57 | 0.01 | 99 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 3 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 4 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 1 | 3 | -880 | -144.11 | 107 | -66996 | - | 0.01 | 107 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 2 | 3 | -880 | -144.11 | 107 | -66996 | 10975.57 | 0.01 | 107 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 3 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 2.8 | SLVml 4 | 3 | -880 | 0 | 0 | -235351 | 0 | 0 | 0 | 5223 | 30707 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 1 | 3 | -942 | -165.43 | 107 | -62835 | - | 0.01 | 107 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 2 | 3 | -942 | -165.43 | 107 | -62835 | 11029.18 | 0.01 | 107 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 3 | 3 | -942 | 0 | 0 | -235351 | 0 | 0 | 0 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 4 | 3 | -942 | 0 | 0 | -235351 | 0 | 0 | 0 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 1 | 3 | -942 | -165.43 | 48 | -62835 | - | 0.01 | 48 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 2 | 3 | -942 | -165.43 | 48 | -62835 | 11029.18 | 0.01 | 48 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 3 | 3 | -942 | 0 | 0 | -235351 | 0 | 0 | 0 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3 | SLVml 4 | 3 | -942 | 0 | 0 | -235351 | 0 | 0 | 0 | 5232 | 30717 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 1 | 3 | -1005 | -175.08 | 48 | -63295 | - | 0.02 | 48 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 2 | 3 | -1005 | -175.08 | 48 | -63295 | 11023.26 | 0.02 | 48 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 3 | 3 | -1005 | 0 | 0 | -235351 | 0 | 0 | 0 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 4 | 3 | -1005 | 0 | 0 | -235351 | 0 | 0 | 0 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 1 | 3 | -1005 | -175.08 | -3 | -63295 | - | 0.02 | 3 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 2 | 3 | -1005 | -175.08 | -3 | -63295 | 11023.26 | 0.02 | 3 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 3 | 3 | -1005 | 0 | 0 | -235351 | 0 | 0 | 0 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.2 | SLVml 4 | 3 | -1005 | 0 | 0 | -235351 | 0 | 0 | 0 | 5242 | 30728 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 1 | 3 | -1068 | -174.44 | -3 | -67193 | - | 0.02 | 3 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 2 | 3 | -1068 | -174.44 | -3 | -67193 | 10973.04 | 0.02 | 3 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 3 | 3 | -1068 | 0 | 0 | -235351 | 0 | 0 | 0 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 4 | 3 | -1068 | 0 | 0 | -235351 | 0 | 0 | 0 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 1 | 3 | -1068 | -174.44 | -42 | -67193 | - | 0.02 | 42 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 2 | 3 | -1068 | -174.44 | -42 | -67193 | 10973.04 | 0.02 | 42 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 3 | 3 | -1068 | 0 | 0 | -235351 | 0 | 0 | 0 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.4 | SLVml 4 | 3 | -1068 | 0 | 0 | -235351 | 0 | 0 | 0 | 5251 | 30739 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 1 | 3 | -1131 | -166.05 | -42 | -74060 | - | 0.02 | 42 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 2 | 3 | -1131 | -166.05 | -42 | -74060 | 10873.46 | 0.02 | 42 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 3 | 3 | -1131 | 0 | 0 | -235351 | 0 | 0 | 0 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 4 | 3 | -1131 | 0 | 0 | -235351 | 0 | 0 | 0 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 1 | 3 | -1131 | -166.05 | -69 | -74060 | - | 0.02 | 69 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 2 | 3 | -1131 | -166.05 | -69 | -74060 | 10873.46 | 0.02 | 69 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 3 | 3 | -1131 | 0 | 0 | -235351 | 0 | 0 | 0 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.6 | SLVml 4 | 3 | -1131 | 0 | 0 | -235351 | 0 | 0 | 0 | 5261 | 30750 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 1 | 3 | -1194 | -152.17 | -69 | -84040 | - | 0.01 | 69 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 2 | 3 | -1194 | -152.17 | -69 | -84040 | 10712.26 | 0.01 | 69 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 3 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 4 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 1 | 3 | -1194 | -152.17 | -87 | -84040 | - | 0.01 | 87 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 2 | 3 | -1194 | -152.17 | -87 | -84040 | 10712.26 | 0.01 | 87 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 3 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 3.8 | SLVml 4 | 3 | -1194 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5270 | 30761 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 1 | 3 | -1257 | -134.7 | -87 | -97403 | - | 0.01 | 87 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 2 | 3 | -1257 | -134.7 | -87 | -97403 | 10441.04 | 0.01 | 87 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 3 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 4 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 1 | 3 | -1257 | -134.7 | -97 | -97403 | - | 0.01 | 97 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 2 | 3 | -1257 | -134.7 | -97 | -97403 | 10441.04 | 0.01 | 97 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 3 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4 | SLVml 4 | 3 | -1257 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5279 | 30772 | 35185 | 2.15 | 0 | ok | |
| 4.2 | | | | | | | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|---------|-----|-------|--------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 4.2 | SLVm1 3 | 3 | -1319 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5289 | 30782 | 35185 | 2.15 | 0 | ok |
| 4.2 | SLVm1 4 | 3 | -1319 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5289 | 30782 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 1 | 3 | -1382 | -95.02 | -101 | -134211 | -9226.03 | 0.01 | 101 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 2 | 3 | -1382 | -95.02 | -101 | -134211 | -9226.03 | 0.01 | 101 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 3 | 3 | -1382 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 4 | 3 | -1382 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 1 | 3 | -1382 | -95.02 | -99 | -134211 | -9226.03 | 0.01 | 99 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 2 | 3 | -1382 | -95.02 | -99 | -134211 | -9226.03 | 0.01 | 99 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 3 | 3 | -1382 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.4 | SLVm1 4 | 3 | -1382 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5298 | 30793 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 1 | 3 | -1445 | -75.14 | -99 | -155554 | -8087.76 | 0.01 | 99 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 2 | 3 | -1445 | -75.14 | -99 | -155554 | -8087.76 | 0.01 | 99 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 3 | 3 | -1445 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 4 | 3 | -1445 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 1 | 3 | -1445 | -75.14 | -93 | -155554 | -8087.76 | 0.01 | 93 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 2 | 3 | -1445 | -75.14 | -93 | -155554 | -8087.76 | 0.01 | 93 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 3 | 3 | -1445 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.6 | SLVm1 4 | 3 | -1445 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5308 | 30804 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 1 | 3 | -1508 | -56.58 | -93 | -176884 | -6636.87 | 0.01 | 93 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 2 | 3 | -1508 | -56.58 | -93 | -176884 | -6636.87 | 0.01 | 93 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 3 | 3 | -1508 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 4 | 3 | -1508 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 1 | 3 | -1508 | -56.58 | -83 | -176884 | -6636.87 | 0.01 | 83 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 2 | 3 | -1508 | -56.58 | -83 | -176884 | -6636.87 | 0.01 | 83 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 3 | 3 | -1508 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 4.8 | SLVm1 4 | 3 | -1508 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5317 | 30815 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 1 | 3 | -1571 | -40.06 | -83 | -198953 | -5073.72 | 0.01 | 83 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 2 | 3 | -1571 | -40.06 | -83 | -198953 | -5073.72 | 0.01 | 83 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 3 | 3 | -1571 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 4 | 3 | -1571 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 1 | 3 | -1571 | -40.06 | -70 | -198953 | -5073.72 | 0.01 | 70 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 2 | 3 | -1571 | -40.06 | -70 | -198953 | -5073.72 | 0.01 | 70 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 3 | 3 | -1571 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5 | SLVm1 4 | 3 | -1571 | 0 | 0 | -235351 | 0 | 0.01 | 0 | 5327 | 30826 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 1 | 3 | -1634 | -26.05 | -70 | -214654 | -3422.67 | 0.01 | 70 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 2 | 3 | -1634 | -26.05 | -70 | -214654 | -3422.67 | 0.01 | 70 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 3 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 4 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 1 | 3 | -1634 | -26.05 | -56 | -214654 | -3422.67 | 0.01 | 56 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 2 | 3 | -1634 | -26.05 | -56 | -214654 | -3422.67 | 0.01 | 56 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 3 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.2 | SLVm1 4 | 3 | -1634 | 0 | 0 | -227457 | 0 | 0.01 | 0 | 5336 | 30836 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 1 | 3 | -1696 | -14.86 | -56 | -188573 | -1651.86 | 0.01 | 56 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 2 | 3 | -1696 | -14.86 | -56 | -188573 | -1651.86 | 0.01 | 56 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 3 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 4 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 1 | 3 | -1696 | -14.86 | -41 | -188573 | -1651.86 | 0.01 | 41 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 2 | 3 | -1696 | -14.86 | -41 | -188573 | -1651.86 | 0.01 | 41 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 3 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.4 | SLVm1 4 | 3 | -1696 | 0 | 0 | -188573 | 0 | 0.01 | 0 | 5346 | 30847 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 1 | 3 | -1759 | -6.7 | -41 | -149688 | -569.94 | 0.01 | 41 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 2 | 3 | -1759 | -6.7 | -41 | -149688 | -569.94 | 0.01 | 41 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 3 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 4 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 1 | 3 | -1759 | -6.7 | -25 | -149688 | -569.94 | 0.01 | 25 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 2 | 3 | -1759 | -6.7 | -25 | -149688 | -569.94 | 0.01 | 25 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 3 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.6 | SLVm1 4 | 3 | -1759 | 0 | 0 | -149688 | 0 | 0.01 | 0 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 1 | 3 | -1822 | -1.7 | -25 | -140939 | -131.87 | 0.01 | 25 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 2 | 3 | -1822 | -1.7 | -25 | -140939 | -131.87 | 0.01 | 25 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 3 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 4 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 1 | 3 | -1822 | -1.7 | -9 | -140939 | -131.87 | 0.01 | 9 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 2 | 3 | -1822 | -1.7 | -9 | -140939 | -131.87 | 0.01 | 9 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 3 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 4 | 3 | -1822 | 0 | 0 | -140939 | 0 | 0.01 | 0 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |

Significato dei simboli utilizzati:

Z: coordinata Z del punto di verifica [m]

Ver: stato di verifica

Armatura longitudinale: armatura longitudinale

AaeTot: area acciaio efficace totale [m²]

Aai: area acciaio inferiore [m²]

Aas: area acciaio superiore [m²]

Pat: percentuale di armatura totale

Pmin: percentuale di armatura minima consentita

Pmax: percentuale di armatura massima consentita

Staffe: staffe

Dst: diametro staffe presente [m]

DstMin: diametro staffe minimo [m]

Pst: passo staffe presente [m]

PstMax: passo staffe massimo [m]

Dati sezione: dati di verifica della sezione

Cmb: combinazione di calcolo

Stg: fase di calcolo

N: sforzo normale di progetto [daN]

Mx: momento flettente di progetto [daN*m]

T: sforzo di taglio di progetto [daN]

Pressoflessione: verifiche a Pressoflessione

Nu: sforzo normale ultimo [daN]

Mxu: momento flettente ultimo [daN*m]

1/CSf: inverso del Coefficiente di sicurezza a pressoflessione

Taglio: verifiche a Taglio

VEd: taglio sollecitante di calcolo [daN]

VRd: taglio resistente sezione non staffata [daN]

VRcd: taglio che produce la rottura delle bielle [daN]

VRsd: taglio resistente sezione staffata [daN]

Cotg: cotangente inclinazione traliccio

1/CS_t: inverso del Coefficiente di sicurezza a taglio

Tensioni: tensioni su cls ed armatura

Sc: tensione minima sul cls (max compressione) [daN/m²]

Sf: tensione massima sull'acciaio (max trazione) [daN/m²]

Sc,a: tensione ammissibile sul cls [daN/m²]

Sf,a: tensione ammissibile sull'acciaio [daN/m²]

1/CS_t: inverso del coeff. di sicurezza sulle tensioni raggiunte su cls e/o armatura

Fessure: fessurazione della sezione

Fess: sezione fessurata (si o no)

W_m: apertura media delle fessure [m]

W_{adm}: apertura ammissibile delle fessure [m]

S_{rm}: distanza media tra le fessure [m]

1/CS_f: inverso del coeff. di sicurezza a fessurazione

BERLINESE FASE FINALE

Le unità di misura sono in [m, daN, deg] ove non espressamente specificato.

Software

Descrizione del programma BulkCAD

Si tratta di un programma di calcolo strutturale dedicato al progetto e verifica di paratie in cemento armato, acciaio e legno .Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti fornito col pacchetto .Viene consentita l'introduzione della geometria, dei carichi e degli elementi accessori, quali cordoli e tiranti; il solutore ad elementi finiti ricava spostamenti e sollecitazioni sugli elementi per le combinazioni di carico e le fasi costruttive previste .A soluzione avvenuta viene condotta la verifica di resistenza strutturale e le verifiche geotecniche di stabilità locale e globale, producendo i grafici ed i tabulati di output.In presenza di filtrazione da falde acquifere si possono ottenere le verifiche idrauliche di sifonamento e sollevamento del fondo scavo .

Specifiche tecniche

Denominazione del software: BulkCAD 6.4
Produttore del software: Concrete
Concrete srl, via della Pieve, 15, 35121 PADOVA - Italy
http://www.concrete.it
Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720
Versione: 6.4
Identificatore licenza: KW-2405217
Intestatario della licenza: Ingg. Gabriele Gaspari & C. Danilo Gigli - 42030 VILLAMINOZZO (RE)
Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

L'analisi e il calcolo della paratia viene condotto con un metodo cosiddetto 'a molle' (SRM o Subgrade Reaction Method), utilizzando un proprio solutore agli elementi finiti fornito col pacchetto .La paratia viene schematizzata in un certo numero di aste connesse da nodi, confinate in un letto di molle elastoplastiche, precaricate dalla spinta del terreno; le altre azioni sono messe in conto applicando delle forze esterne nei nodi del modello .Tali molle possono essere attivate e disattivate, permettendo di eseguire un calcolo per fasi; il calcolo eseguito per fasi permette quindi di tenere conto della reale sequenza costruttiva dell'opera .L'analisi delle azioni di calcolo e le successive verifiche sono condotte conformemente alla normativa impostata; l'analisi può essere condotta secondo il D.M. 17-01-18 NTC o il D.M. 14-01-08 NTC, le verifiche secondo il D.M. 17-01-18 NTC o il D.M. 14-01-08 NTC o secondo EC2-EC3 .Le combinazioni di calcolo vengono create conformemente al D.M. 17-01-18 o al D.M. 14-01-08, che per le paratie richiede l'approccio DA1 (completo); è possibile creare e modificare sia le combinazioni che le fasi di calcolo .

Verifiche delle membrature in cemento armato

Le verifiche degli elementi in c.a. possono essere condotte agli stati limite in accordo al D.M. 17-01-18 o al D.M. 14-01-08 o secondo Eurocodice 2 .Le sezioni di paratia sono verificate in stato limite ultimo per flessione retta e taglio, in esercizio per limitazione delle tensioni e delle fessure .Le varie situazioni di verifica (tensioni, resistenza, apertura delle fessure) sono riportate su diagrammi che l'operatore può interrogare ottenendo i valori numerici o la verifica puntuale dettagliata .In un file dxf viene poi riportato il disegno esecutivo dettagliato completo di prospetto, sezioni e distinta delle armature.

Verifiche delle membrature in acciaio

Le verifiche delle membrature in acciaio sono limitate ai micropali tubolari ed alle palancole metalliche; tali verifiche possono essere condotte secondo D.M. 17-01-18 o D.M. 14-01-08 o Eurocodice 3 .Sono previste verifiche di resistenza a flessione e taglio e, per le sole palancole, di instabilità (buckling) .

Verifiche geotecniche e idrauliche

Vengono condotte verifiche geotecniche di stabilità locale, in particolare il collasso per carico limite verticale e lo sfilamento degli ancoraggi dal terreno .Il solutore segnala inoltre labilità o spostamenti elevati per traslazione o rotazione attorno ad un punto .Per gli strati in cui sono presenti dati di prove penetrometriche standard (SPT) è possibile valutare un fattore di sicurezza a liquefazione del terreno .Le verifiche comprendono anche la verifica di stabilità globale, valutata considerando superfici di scivolamento circolari .L'analisi viene condotta con i metodi di Bishop o Fellenius, mediante suddivisione del pendio in conci .Il coefficiente di sicurezza viene determinato sulla base di una maglia di centri definita dall'utente .In presenza di falda acquifera con carico idraulico diverso tra i due lati dell'opera si possono eseguire verifiche idrauliche di sifonamento e sollevamento del fondo scavo, se pertinente anche a breve termine .Il gradiente di filtrazione viene stimato con un metodo monodimensionale semplificato .

Dati generali

Tipo di paratia: paratia di pali circolari accostati
Altezza totale della paratia: 6
Lunghezza totale della paratia: 27
Sezione di base in CLS: Circolare Circolare (D=40)
Tipo di CLS: C25/30
Tipo di armatura: B450C
Interasse tra le sezioni in c.a. della stessa fila: 0.65
Sezione del cordolo in sommità: R 40x32
Materiale del cordolo in sommità: RCK300
Materiale delle barre del cordolo in sommità: B450C

Dati del sito

Descrizione: Stratigrafia
Quota del piano campagna: 0
Quota della falda: 100

Stratigrafia

| Dsc | Thk | Inc | StfMt | Afct | Bfct | Nfct |
|-----------------------|-----|-----|--------|------|------|------|
| Terreno di Fondazione | 3 | 0 | Bowles | | | |
| Sub strato roccioso | 27 | 0 | Bowles | | | |

Terreni presenti in sito

| Dsc | Fi | Dlt | Cse | Cu | Ads | Gmn | Gms | K0 | Es | Ps | RQD | khorr | kvrt |
|-----------------------|----|-----|------|------|-----|------|------|------|---------|-----|-----|-------|--------|
| Terreno di Fondazione | 21 | 14 | 750 | 5500 | 0.5 | 1900 | 1950 | 0.64 | 400000 | 0.4 | 0 | 0 | 0 |
| Sub strato roccioso | 30 | 20 | 7500 | 0 | 1 | 2100 | 2100 | 0.5 | 5000000 | 0.3 | 0 | 0.001 | 0.0001 |

Significato dei simboli utilizzati:

Dsc: descrizione del suolo
Thk: spessore dello strato [m]
Inc: inclinazione dello strato sull'orizzontale, positiva se antioraria [deg]
StfMt: metodo per la valutazione della rigidità dello strato

Afct: fattore A della formulazione binomia della rigidezza ($k=A+B^n$)
Bfct: fattore B della formulazione binomia della rigidezza ($k=A+B^n$)
Nfct: fattore n della formulazione binomia della rigidezza ($k=A+B^n$)
Fi: angolo di attrito interno [deg]
Dlt: angolo di attrito delta all'interfaccia paratia/suolo [deg]
Cse: coesione efficace [daN/m²]
Cu: coesione non drenata [daN/m²]
Ads: adesione della coesione all'interfaccia paratia/suolo
Gmn: peso specifico naturale del terreno in sito [daN/m³]
Gms: peso specifico saturo del terreno in sito [daN/m³]
K0: coefficiente di spinta a riposo
Es: modulo elastico del terreno [daN/m²]
Ps: modulo di Poisson del terreno
RQD: rock Quality Degree per terreni rocciosi (0 negli altri casi)
khor: permeabilità orizzontale [m/s]
kvrt: permeabilità verticale [m/s]

Preferenze generali

Preferenze sismiche di normativa

Azioni sismiche secondo la normativa: NTC18
Località: Reggio Nell'emilia, Casina; Altitudine s.l.m. 18.24 m
Coordinate geografiche: Latitudine ED50 44.5119° (44° 30' 43"); Longitudine ED50 10.4979° (10° 29' 52")
Vita nominale (P.2.4.1): 50 anni
Classe d'uso (P.2.4.2): III
Periodo di riferimento considerato: 75 anni
Probabilità di superamento per lo SLD: 63.00%
Accelerazione max al suolo per lo SLD: 0.079
Fattore di amplificazione spettrale Fo per lo SLD: 2.495
Probabilità di superamento per lo SLV: 10.00%
Accelerazione max al suolo per lo SLV: 0.18
Fattore di amplificazione spettrale per lo SLV: 2.495
Categoria del suolo (Tab.3.2.II): Suolo_C
Amplificazione stratigrafica Ss allo SLD (Tab.3.2.IV): 1.5
Amplificazione stratigrafica Ss allo SLV (Tab.3.2.IV): 1.43
Amplificazione topografica St (Tab.3.2.V): 1
Coefficiente di deformabilità alfa (Fig.7.11.2): 1
Coefficiente di spostamento beta (Fig.7.11.3): 0.68
Coefficiente di riduzione al sito betaS (Tab.7.11.I): 0.24
Coeff. sismico orizzontale SLV per struttura: 0.175
Coeff. sismico orizzontale SLV per valutazione della spinta nelle condizioni di equilibrio passivo: 0.175
Coeff. sismico verticale SLV per struttura: 0
Coeff. sismico orizzontale SLV per pendio: 0.062
Coeff. sismico verticale SLV per pendio: 0
Posizione della risultante: Metà dell'altezza
Tratto di applicazione del sisma: sulla parte a sbalzo

Preferenze per il calcolo delle sezioni in c.a.

Norma per la verifica strutturale: Stati limite D.M.14-01-2017
Verifica a taglio condotta con inclinazione variabile del traliccio di Moersh
Coefficiente Fi per viscosità del cls: 2
Tolleranza di posa armature: 0.01
Riduzione tau in cattiva aderenza: 0.7

Preferenze per il solutore ad elementi finiti

Metodo di risoluzione solutore: Tangente
Lunghezza massima di discretizzazione: 0.2
Numero massimo di iterazioni: 50
Tolleranza solutore: 0.0001

Preferenze geotecniche generali

Metodo di calcolo delle spinte terra: MononobeOkabe
Condizione di spinta considerata nel calcolo: LungoTermine
Ampiezza bulbo a destra (solo per calcolo rigidezze secondo bulbo tensioni): 1
Ampiezza bulbo a sinistra (solo per calcolo rigidezze secondo bulbo tensioni): 1

Preferenze per la verifica di stabilità globale

Metodo di calcolo stabilità globale: Bishop
Coeff. di sicurezza limite per stabilità globale: 1.3
Passo massimo dei conci: 1
Resistenza al taglio della paratia (solo per stabilità globale): 50000

Preferenze per le verifiche di stabilità locali

Metodo di calcolo portanza verticale: Vesic

Combinazioni e Fasi di carico

Tabella condizioni elementari di carico

| Descrizione | Nome breve | Durata | Psi0 | Psi1 | Psi2 |
|------------------------------------|------------|------------|------|------|------|
| Carichi permanenti | Perm. | Permanente | | | |
| Carichi permanenti non strutturali | Perm.P | Permanente | | | |
| Carichi variabili | Var. | Media | 0.7 | 0.5 | 0.3 |
| Carichi sismici orizzontali | Sis.h | Istantaneo | | | |
| Carichi sismici verticali | Sis.v | Istantaneo | | | |

Tabella combinazioni di calcolo

| Nome | Nome breve | Tipo | Prm | PrmP | Var | SisH | SisV |
|----------|------------|------|-----|------|-----|------|------|
| SLE rara | SLEr 1 | SLEr | 1 | 1 | 1 | 0 | 0 |

| Nome | Nome breve | Tipo | Prm | PrmP | Var | SisH | SisV |
|-------------|------------|-------|-----|------|-----|------|------|
| SLE rara | SLEr 2 | SLEr | 1 | 1 | 0 | 0 | 0 |
| SLE fr | SLEf 1 | SLEf | 1 | 1 | 0.5 | 0 | 0 |
| SLE fr | SLEf 2 | SLEf | 1 | 1 | 0 | 0 | 0 |
| SLE qp | SLEqp 1 | SLEqp | 1 | 1 | 0.3 | 0 | 0 |
| SLE qp | SLEqp 2 | SLEqp | 1 | 1 | 0 | 0 | 0 |
| STR (A1+M1) | STR 1 | STR | 1.3 | 1.5 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 2 | STR | 1.3 | 1.5 | 0 | 0 | 0 |
| STR (A1+M1) | STR 3 | STR | 1.3 | 0 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 4 | STR | 1.3 | 0 | 0 | 0 | 0 |
| STR (A1+M1) | STR 5 | STR | 1 | 1.5 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 6 | STR | 1 | 1.5 | 0 | 0 | 0 |
| STR (A1+M1) | STR 7 | STR | 1 | 0 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 8 | STR | 1 | 0 | 0 | 0 | 0 |
| GEO (A2+M2) | GEO 1 | GEO | 1 | 1.3 | 1.3 | 0 | 0 |
| GEO (A2+M2) | GEO 2 | GEO | 1 | 1.3 | 0 | 0 | 0 |
| GEO (A2+M2) | GEO 3 | GEO | 1 | 0.8 | 1.3 | 0 | 0 |
| GEO (A2+M2) | GEO 4 | GEO | 1 | 0.8 | 0 | 0 | 0 |
| SLV (M1) | SLVm1 1 | SLVm1 | 1 | 1 | 0.3 | 1 | 1 |
| SLV (M1) | SLVm1 2 | SLVm1 | 1 | 1 | 0.3 | 1 | -1 |
| SLV (M1) | SLVm1 3 | SLVm1 | 1 | 1 | 0.3 | -1 | 1 |
| SLV (M1) | SLVm1 4 | SLVm1 | 1 | 1 | 0.3 | -1 | -1 |

Tabella fasi di calcolo

| Fase/gg | Operazione |
|---------|---|
| 0 | Scavo nullo di inizializzazione del terreno (Fase = 0) |
| 1 | Applicazione carico al suolo > uniforme (Lato = Destra; Pressione permanente = 30; Pressione permanente portato = 200; Pressione variabile = 500; Fase = 1) |
| 2 | Scavo del terreno (Spessore complessivo = 2.7; Lato = Sinistra; Fase = 2) |
| 3 | Inserimento delle spinte sismiche (Quota (Z) = 0; Ampiezza = 3.3; Fase = 3) |

Azioni esterne

Tabella carichi uniformi applicati sul pendio

| Da fase | A fase | Lato | ValP | ValPP | ValV |
|---------|--------|------|------|-------|------|
| 1 | ultima | dx | 30 | 200 | 500 |

Tabella carichi sismici applicati su paratia

| Da fase | A fase | Quota superiore | Quota inferiore |
|---------|--------|-----------------|-----------------|
| 3 | ultima | 0 | 3.3 |

Significato dei simboli utilizzati:

- Descrizione:** nome assegnato alla condizione elementare
- Nome breve:** nome breve assegnato alla condizione elementare
- Durata:** descrive la durata della condizione (necessario per strutture in legno)
- Psi0:** coefficiente moltiplicatore Psi0
- Psi1:** coefficiente moltiplicatore Psi1
- Psi2:** coefficiente moltiplicatore Psi2
- Nome:** nome assegnato alla combinazione di calcolo
- Nome breve:** nome breve assegnato alla combinazione di calcolo
- Tipo:** famiglia di appartenenza
- Prm:** coefficiente parziale applicato ai carichi permanenti
- PrmP:** coefficiente parziale applicato ai carichi permanenti non strutturali
- Var:** coefficiente parziale applicato ai carichi variabili
- SisH:** coefficiente parziale applicato ai carichi sismici orizzontali
- SisV:** coefficiente parziale applicato ai carichi sismici verticali
- Fase/gg:** fase di calcolo (giorno)
- Operazione:** operazione di costruzione eseguita in una certa fase
- Da fase:** prima fase in cui il carico è attivo
- A fase:** ultima fase in cui il carico è attivo
- Lato:** lato di applicazione del carico
- ValP:** valore del carico permanente (pressione) [daN/m²]
- ValPP:** valore del carico permanente portato (pressione) [daN/m²]
- ValV:** valore del carico variabile (pressione) [daN/m²]
- Quota superiore:** quota superiore di applicazione del carico [m]
- Quota inferiore:** quota inferiore di applicazione del carico [m]

Modello ad elementi finiti

Il modello è costituito da 30 aste delle seguenti caratteristiche:
Lunhezza: 0.2
Area: 0.125664
Area di taglio FEM: 0.113097
Momento di inerzia FEM: 0.00124058
Modulo elastico longitudinale E: 3144716100
Modulo elastico tangenziale G: 1429416409

La presenza del terreno è modellata da molle elastoplastiche precaricate poste nei nodi.

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M1

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|------|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 0 | 0 | 36422 | -157 | 0 | 0 | 36422 | -157 | 0 | 0 |
| 0.2 | 0 | 86776 | -393 | 0 | 0 | 86776 | -393 | 0 | 0 |
| 0.4 | 0 | 100708 | -499 | 0 | 0 | 100708 | -499 | 0 | 0 |
| 0.6 | 0 | 114641 | -605 | 0 | 0 | 114641 | -605 | 0 | 0 |
| 0.8 | 0 | 128573 | -711 | 0 | 0 | 128573 | -711 | 0 | 0 |
| 1 | 0 | 142505 | -817 | 0 | -5 | 142505 | -817 | 0 | -5 |
| 1.2 | 0 | 156438 | -923 | -2 | -34 | 156438 | -923 | -2 | -34 |
| 1.4 | 0 | 170370 | -1029 | -19 | -66 | 170370 | -1029 | -19 | -66 |
| 1.6 | 0 | 184303 | -1135 | -40 | -98 | 184303 | -1135 | -40 | -98 |
| 1.8 | 0 | 198235 | -1241 | -62 | -130 | 198235 | -1241 | -62 | -130 |
| 2 | 0 | 212168 | -1347 | -83 | -162 | 212168 | -1347 | -83 | -162 |
| 2.2 | 0 | 226100 | -1453 | -104 | -194 | 226100 | -1453 | -104 | -194 |
| 2.4 | 0 | 240032 | -1559 | -125 | -226 | 240032 | -1559 | -125 | -226 |
| 2.6 | 0 | 253965 | -1665 | -146 | -258 | 253965 | -1665 | -146 | -258 |
| 2.8 | 0 | 267897 | -1771 | -167 | -290 | 267897 | -1771 | -167 | -290 |
| 3 | 0 | 1827281 | -3783 | -91 | -157 | 1827281 | -3783 | -91 | -157 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|------|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 3.2 | 0 | 1867356 | -5840 | 0 | 0 | 1867356 | -5840 | 0 | 0 |
| 3.4 | 0 | 1907430 | -6006 | 0 | 0 | 1907430 | -6006 | 0 | 0 |
| 3.6 | 0 | 1947505 | -6172 | 0 | 0 | 1947505 | -6172 | 0 | 0 |
| 3.8 | 0 | 1987580 | -6338 | 0 | 0 | 1987580 | -6338 | 0 | 0 |
| 4 | 0 | 2027654 | -6504 | 0 | 0 | 2027654 | -6504 | 0 | 0 |
| 4.2 | 0 | 2067729 | -6670 | 0 | 0 | 2067729 | -6670 | 0 | 0 |
| 4.4 | 0 | 2107803 | -6836 | 0 | 0 | 2107803 | -6836 | 0 | 0 |
| 4.6 | 0 | 2147878 | -7002 | 0 | 0 | 2147878 | -7002 | 0 | 0 |
| 4.8 | 0 | 2187953 | -7168 | 0 | 0 | 2187953 | -7168 | 0 | 0 |
| 5 | 0 | 2228027 | -7334 | 0 | 0 | 2228027 | -7334 | 0 | 0 |
| 5.2 | 0 | 2268102 | -7500 | 0 | 0 | 2268102 | -7500 | 0 | 0 |
| 5.4 | 0 | 2308177 | -7665 | 0 | 0 | 2308177 | -7665 | 0 | 0 |
| 5.6 | 0 | 2348251 | -7831 | 0 | 0 | 2348251 | -7831 | 0 | 0 |
| 5.8 | 0 | 2388326 | -7997 | 0 | 0 | 2388326 | -7997 | 0 | 0 |
| 6 | 0 | 1214200 | -4061 | 0 | 0 | 1214200 | -4061 | 0 | 0 |
| 0 | 1 | 36422 | -157 | 0 | 0 | 36422 | -259 | 0 | 0 |
| 0.2 | 1 | 86776 | -393 | 0 | 0 | 86776 | -597 | 0 | 0 |
| 0.4 | 1 | 100708 | -499 | 0 | 0 | 100708 | -703 | 0 | 0 |
| 0.6 | 1 | 114641 | -605 | 0 | 0 | 114641 | -809 | 0 | -4 |
| 0.8 | 1 | 128573 | -711 | 0 | 0 | 128573 | -915 | -1 | -32 |
| 1 | 1 | 142505 | -817 | 0 | -5 | 142505 | -1021 | -18 | -64 |
| 1.2 | 1 | 156438 | -923 | -2 | -34 | 156438 | -1127 | -39 | -96 |
| 1.4 | 1 | 170370 | -1029 | -19 | -66 | 170370 | -1233 | -60 | -128 |
| 1.6 | 1 | 184303 | -1135 | -40 | -98 | 184303 | -1339 | -81 | -160 |
| 1.8 | 1 | 198235 | -1241 | -62 | -130 | 198235 | -1445 | -102 | -192 |
| 2 | 1 | 212168 | -1347 | -83 | -162 | 212168 | -1551 | -123 | -224 |
| 2.2 | 1 | 226100 | -1453 | -104 | -194 | 226100 | -1657 | -144 | -256 |
| 2.4 | 1 | 240032 | -1559 | -125 | -226 | 240032 | -1762 | -165 | -288 |
| 2.6 | 1 | 253965 | -1665 | -146 | -258 | 253965 | -1868 | -186 | -320 |
| 2.8 | 1 | 267897 | -1771 | -167 | -290 | 267897 | -1974 | -207 | -352 |
| 3 | 1 | 1827281 | -3783 | -91 | -157 | 1827281 | -4029 | -112 | -188 |
| 3.2 | 1 | 1867356 | -5840 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 1 | 1907430 | -6006 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 1 | 1947505 | -6172 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 1 | 1987580 | -6338 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 1 | 2027654 | -6504 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 1 | 2067729 | -6670 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 1 | 2107803 | -6836 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 1 | 2147878 | -7002 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 1 | 2187953 | -7168 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 1 | 2228027 | -7334 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 1 | 2268102 | -7500 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 1 | 2308177 | -7665 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 1 | 2348251 | -7831 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 1 | 2388326 | -7997 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 1 | 1214200 | -4061 | 0 | 0 | 1214200 | -4205 | 0 | 0 |
| 0 | 2 | | | | | 36422 | -259 | 0 | 0 |
| 0.2 | 2 | | | | | 86776 | -597 | 0 | 0 |
| 0.4 | 2 | | | | | 100708 | -703 | 0 | 0 |
| 0.6 | 2 | | | | | 114641 | -809 | 0 | -4 |
| 0.8 | 2 | | | | | 128573 | -915 | -1 | -32 |
| 1 | 2 | | | | | 142505 | -1021 | -18 | -64 |
| 1.2 | 2 | | | | | 156438 | -1127 | -39 | -96 |
| 1.4 | 2 | | | | | 170370 | -1233 | -60 | -128 |
| 1.6 | 2 | | | | | 184303 | -1339 | -81 | -160 |
| 1.8 | 2 | | | | | 198235 | -1445 | -102 | -192 |
| 2 | 2 | | | | | 212168 | -1551 | -123 | -224 |
| 2.2 | 2 | | | | | 226100 | -1657 | -144 | -256 |
| 2.4 | 2 | | | | | 240032 | -1762 | -165 | -288 |
| 2.6 | 2 | | | | | 253965 | -1868 | -186 | -320 |
| 2.8 | 2 | | | | | 267897 | -1974 | -207 | -352 |
| 3 | 2 | 1232172 | -2750 | 0 | 0 | 1827281 | -4029 | -112 | -188 |
| 3.2 | 2 | 1272247 | -3610 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 2 | 1312322 | -3776 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 2 | 1352396 | -3942 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 2 | 1392471 | -4108 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 2 | 1432546 | -4274 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 2 | 1472620 | -4440 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 2 | 1512695 | -4606 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 2 | 1552770 | -4772 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 2 | 1592844 | -4938 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 2 | 1632919 | -5104 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 2 | 1672993 | -5270 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 2 | 1713068 | -5436 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 2 | 1753143 | -5602 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 2 | 1793217 | -5768 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 2 | 916646 | -2946 | 0 | 0 | 1214200 | -4205 | 0 | 0 |
| 0 | 3 | | | | | 36422 | -259 | 0 | 0 |
| 0.2 | 3 | | | | | 86776 | -597 | 0 | 0 |
| 0.4 | 3 | | | | | 100708 | -703 | 0 | 0 |
| 0.6 | 3 | | | | | 114641 | -809 | 0 | -4 |
| 0.8 | 3 | | | | | 128573 | -915 | -1 | -32 |
| 1 | 3 | | | | | 142505 | -1021 | -18 | -64 |
| 1.2 | 3 | | | | | 156438 | -1127 | -39 | -96 |
| 1.4 | 3 | | | | | 170370 | -1233 | -60 | -128 |
| 1.6 | 3 | | | | | 184303 | -1339 | -81 | -160 |
| 1.8 | 3 | | | | | 198235 | -1445 | -102 | -192 |
| 2 | 3 | | | | | 212168 | -1551 | -123 | -224 |
| 2.2 | 3 | | | | | 226100 | -1657 | -144 | -256 |
| 2.4 | 3 | | | | | 240032 | -1762 | -165 | -288 |
| 2.6 | 3 | | | | | 253965 | -1868 | -186 | -320 |
| 2.8 | 3 | | | | | 267897 | -1974 | -207 | -352 |
| 3 | 3 | 1232172 | -2750 | 0 | 0 | 1827281 | -4029 | -112 | -188 |
| 3.2 | 3 | 1272247 | -3610 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 3 | 1312322 | -3776 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 3 | 1352396 | -3942 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 3 | 1392471 | -4108 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 3 | 1432546 | -4274 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 3 | 1472620 | -4440 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 3 | 1512695 | -4606 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 3 | 1552770 | -4772 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 3 | 1592844 | -4938 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 3 | 1632919 | -5104 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 3 | 1672993 | -5270 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 3 | 1713068 | -5436 | 0 | 0 | 2308177 | -7954 | 0 | 0 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|----|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 5.6 | 3 | 1753143 | -5602 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 3 | 1793217 | -5768 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 3 | 916646 | -2946 | 0 | 0 | 1214200 | -4205 | 0 | 0 |

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M2

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|------|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 0 | 0 | 36422 | -118 | 0 | 0 | 36422 | -118 | 0 | 0 |
| 0.2 | 0 | 86776 | -306 | 0 | 0 | 86776 | -306 | 0 | 0 |
| 0.4 | 0 | 100708 | -397 | 0 | 0 | 100708 | -397 | 0 | 0 |
| 0.6 | 0 | 114641 | -489 | 0 | 0 | 114641 | -489 | 0 | 0 |
| 0.8 | 0 | 128573 | -580 | 0 | -10 | 128573 | -580 | 0 | -10 |
| 1 | 0 | 142505 | -672 | -12 | -44 | 142505 | -672 | -12 | -44 |
| 1.2 | 0 | 156438 | -764 | -37 | -79 | 156438 | -764 | -37 | -79 |
| 1.4 | 0 | 170370 | -855 | -61 | -114 | 170370 | -855 | -61 | -114 |
| 1.6 | 0 | 184303 | -947 | -86 | -149 | 184303 | -947 | -86 | -149 |
| 1.8 | 0 | 198235 | -1039 | -111 | -185 | 198235 | -1039 | -111 | -185 |
| 2 | 0 | 212168 | -1130 | -135 | -220 | 212168 | -1130 | -135 | -220 |
| 2.2 | 0 | 226100 | -1222 | -160 | -255 | 226100 | -1222 | -160 | -255 |
| 2.4 | 0 | 240032 | -1314 | -184 | -291 | 240032 | -1314 | -184 | -291 |
| 2.6 | 0 | 253965 | -1405 | -209 | -326 | 253965 | -1405 | -209 | -326 |
| 2.8 | 0 | 267897 | -1497 | -234 | -361 | 267897 | -1497 | -234 | -361 |
| 3 | 0 | 1827281 | -2953 | -126 | -194 | 1827281 | -2953 | -126 | -194 |
| 3.2 | 0 | 1867356 | -4441 | 0 | 0 | 1867356 | -4441 | 0 | 0 |
| 3.4 | 0 | 1907430 | -4576 | 0 | 0 | 1907430 | -4576 | 0 | 0 |
| 3.6 | 0 | 1947505 | -4711 | 0 | 0 | 1947505 | -4711 | 0 | 0 |
| 3.8 | 0 | 1987580 | -4847 | 0 | 0 | 1987580 | -4847 | 0 | 0 |
| 4 | 0 | 2027654 | -4982 | 0 | 0 | 2027654 | -4982 | 0 | 0 |
| 4.2 | 0 | 2067729 | -5117 | 0 | 0 | 2067729 | -5117 | 0 | 0 |
| 4.4 | 0 | 2107803 | -5252 | 0 | 0 | 2107803 | -5252 | 0 | 0 |
| 4.6 | 0 | 2147878 | -5388 | 0 | 0 | 2147878 | -5388 | 0 | 0 |
| 4.8 | 0 | 2187953 | -5523 | 0 | 0 | 2187953 | -5523 | 0 | 0 |
| 5 | 0 | 2228027 | -5658 | 0 | 0 | 2228027 | -5658 | 0 | 0 |
| 5.2 | 0 | 2268102 | -5793 | 0 | 0 | 2268102 | -5793 | 0 | 0 |
| 5.4 | 0 | 2308177 | -5928 | 0 | 0 | 2308177 | -5928 | 0 | 0 |
| 5.6 | 0 | 2348251 | -6064 | 0 | 0 | 2348251 | -6064 | 0 | 0 |
| 5.8 | 0 | 2388326 | -6199 | 0 | 0 | 2388326 | -6199 | 0 | 0 |
| 6 | 0 | 1214200 | -3150 | 0 | 0 | 1214200 | -3150 | 0 | 0 |
| 0 | 1 | 36422 | -118 | 0 | 0 | 36422 | -232 | 0 | 0 |
| 0.2 | 1 | 86776 | -306 | 0 | 0 | 86776 | -532 | 0 | -1 |
| 0.4 | 1 | 100708 | -397 | 0 | 0 | 100708 | -624 | -3 | -25 |
| 0.6 | 1 | 114641 | -489 | 0 | 0 | 114641 | -716 | -24 | -60 |
| 0.8 | 1 | 128573 | -580 | 0 | -10 | 128573 | -807 | -48 | -96 |
| 1 | 1 | 142505 | -672 | -12 | -44 | 142505 | -899 | -73 | -131 |
| 1.2 | 1 | 156438 | -764 | -37 | -79 | 156438 | -990 | -98 | -166 |
| 1.4 | 1 | 170370 | -855 | -61 | -114 | 170370 | -1082 | -122 | -201 |
| 1.6 | 1 | 184303 | -947 | -86 | -149 | 184303 | -1174 | -147 | -237 |
| 1.8 | 1 | 198235 | -1039 | -111 | -185 | 198235 | -1265 | -171 | -272 |
| 2 | 1 | 212168 | -1130 | -135 | -220 | 212168 | -1357 | -196 | -307 |
| 2.2 | 1 | 226100 | -1222 | -160 | -255 | 226100 | -1449 | -221 | -342 |
| 2.4 | 1 | 240032 | -1314 | -184 | -291 | 240032 | -1540 | -245 | -378 |
| 2.6 | 1 | 253965 | -1405 | -209 | -326 | 253965 | -1632 | -270 | -413 |
| 2.8 | 1 | 267897 | -1497 | -234 | -361 | 267897 | -1724 | -294 | -448 |
| 3 | 1 | 1827281 | -2953 | -126 | -194 | 1827281 | -3217 | -156 | -237 |
| 3.2 | 1 | 1867356 | -4441 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 1 | 1907430 | -4576 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 1 | 1947505 | -4711 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 1 | 1987580 | -4847 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 1 | 2027654 | -4982 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 1 | 2067729 | -5117 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 1 | 2107803 | -5252 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 1 | 2147878 | -5388 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 1 | 2187953 | -5523 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 1 | 2228027 | -5658 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 1 | 2268102 | -5793 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 1 | 2308177 | -5928 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 1 | 2348251 | -6064 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 1 | 2388326 | -6199 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 1 | 1214200 | -3150 | 0 | 0 | 1214200 | -3301 | 0 | 0 |
| 0 | 2 | | | | | 36422 | -232 | 0 | 0 |
| 0.2 | 2 | | | | | 86776 | -532 | 0 | -1 |
| 0.4 | 2 | | | | | 100708 | -624 | -3 | -25 |
| 0.6 | 2 | | | | | 114641 | -716 | -24 | -60 |
| 0.8 | 2 | | | | | 128573 | -807 | -48 | -96 |
| 1 | 2 | | | | | 142505 | -899 | -73 | -131 |
| 1.2 | 2 | | | | | 156438 | -990 | -98 | -166 |
| 1.4 | 2 | | | | | 170370 | -1082 | -122 | -201 |
| 1.6 | 2 | | | | | 184303 | -1174 | -147 | -237 |
| 1.8 | 2 | | | | | 198235 | -1265 | -171 | -272 |
| 2 | 2 | | | | | 212168 | -1357 | -196 | -307 |
| 2.2 | 2 | | | | | 226100 | -1449 | -221 | -342 |
| 2.4 | 2 | | | | | 240032 | -1540 | -245 | -378 |
| 2.6 | 2 | | | | | 253965 | -1632 | -270 | -413 |
| 2.8 | 2 | | | | | 267897 | -1724 | -294 | -448 |
| 3 | 2 | 1232172 | -1992 | 0 | 0 | 1827281 | -3217 | -156 | -237 |
| 3.2 | 2 | 1272247 | -2624 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 2 | 1312322 | -2760 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 2 | 1352396 | -2895 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 2 | 1392471 | -3030 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 2 | 1432546 | -3165 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 2 | 1472620 | -3301 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 2 | 1512695 | -3436 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 2 | 1552770 | -3571 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 2 | 1592844 | -3706 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 2 | 1632919 | -3841 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 2 | 1672993 | -3977 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 2 | 1713068 | -4112 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 2 | 1753143 | -4247 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 2 | 1793217 | -4382 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 2 | 916646 | -2242 | 0 | 0 | 1214200 | -3301 | 0 | 0 |
| 0 | 3 | | | | | 36422 | -232 | 0 | 0 |
| 0.2 | 3 | | | | | 86776 | -532 | 0 | -1 |
| 0.4 | 3 | | | | | 100708 | -624 | -3 | -25 |
| 0.6 | 3 | | | | | 114641 | -716 | -24 | -60 |
| 0.8 | 3 | | | | | 128573 | -807 | -48 | -96 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 1 | 3 | | | | | 142505 | -899 | -73 | -131 |
| 1.2 | 3 | | | | | 156438 | -990 | -98 | -166 |
| 1.4 | 3 | | | | | 170370 | -1082 | -122 | -201 |
| 1.6 | 3 | | | | | 184303 | -1174 | -147 | -237 |
| 1.8 | 3 | | | | | 198235 | -1265 | -171 | -272 |
| 2 | 3 | | | | | 212168 | -1357 | -196 | -307 |
| 2.2 | 3 | | | | | 226100 | -1449 | -221 | -342 |
| 2.4 | 3 | | | | | 240032 | -1540 | -245 | -378 |
| 2.6 | 3 | | | | | 253965 | -1632 | -270 | -413 |
| 2.8 | 3 | | | | | 267897 | -1724 | -294 | -448 |
| 3 | 3 | 1232172 | -1992 | 0 | 0 | 1827281 | -3217 | -156 | -237 |
| 3.2 | 3 | 1272247 | -2624 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 3 | 1312322 | -2760 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 3 | 1352396 | -2895 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 3 | 1392471 | -3030 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 3 | 1432546 | -3165 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 3 | 1472620 | -3301 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 3 | 1512695 | -3436 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 3 | 1552770 | -3571 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 3 | 1592844 | -3706 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 3 | 1632919 | -3841 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 3 | 1672993 | -3977 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 3 | 1713068 | -4112 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 3 | 1753143 | -4247 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 3 | 1793217 | -4382 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 3 | 916646 | -2242 | 0 | 0 | 1214200 | -3301 | 0 | 0 |

Significato dei simboli utilizzati:

quota: quota del nodo al quale la molla è collegata [m]

Stg: fase di calcolo

molle sul fianco sinistro: pressioni a sinistra

K: rigidezza estensionale della molla [daN/m]

Ymin: snervamento minimo della molla [daN]

Ymax: snervamento massimo della molla [daN]

Pr: presollecitazione assiale della molla [daN]

molle sul fianco destro: pressioni a destra

Verifiche geotecniche di stabilità globale dell'opera

Parametri utilizzati nella verifica di stabilità globale dell'opera

Metodo di calcolo di stabilità pendio: Bishop

Coefficiente di sicurezza ritenuto ammissibile (gammaR): 1.3

Passo dei conc: 1

Resistenza al taglio della paratia: 50000

Estensione massima studiata a sx: 100

Estensione massima studiata a dx: 100

Estensione massima studiata in profondità: 100

Esegui il calcolo contestualmente alla risoluzione: True

Verifiche geotecniche di stabilità globale dell'opera

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|-------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 1 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.78 | ok |
| GEO 1 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.78 | ok |
| GEO 1 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.8 | ok |
| GEO 1 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.8 | ok |
| GEO 1 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.81 | ok |
| GEO 1 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.81 | ok |
| GEO 1 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.83 | ok |
| GEO 1 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.83 | ok |
| GEO 1 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.84 | ok |
| GEO 1 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.84 | ok |
| GEO 1 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.85 | ok |
| GEO 1 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.85 | ok |
| GEO 1 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.86 | ok |
| GEO 1 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.86 | ok |
| GEO 3 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.88 | ok |
| GEO 3 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.88 | ok |
| GEO 3 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.9 | ok |
| GEO 3 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.9 | ok |
| GEO 3 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.91 | ok |
| GEO 3 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.91 | ok |
| GEO 1 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 6.91 | ok |
| GEO 1 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 6.91 | ok |
| GEO 1 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 6.92 | ok |
| GEO 1 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 6.92 | ok |
| GEO 3 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.94 | ok |
| GEO 3 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.94 | ok |
| GEO 1 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 6.94 | ok |
| GEO 1 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 6.94 | ok |
| GEO 3 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.94 | ok |
| GEO 3 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.94 | ok |
| GEO 3 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.95 | ok |
| GEO 3 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.95 | ok |
| GEO 3 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.97 | ok |
| GEO 3 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.97 | ok |
| GEO 1 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.97 | ok |
| GEO 1 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.97 | ok |
| GEO 1 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7 | ok |
| GEO 1 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7 | ok |
| GEO 1 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.01 | ok |
| GEO 1 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.01 | ok |
| GEO 1 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.01 | ok |
| GEO 1 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.01 | ok |
| GEO 1 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.02 | ok |
| GEO 1 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.02 | ok |
| GEO 3 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.02 | ok |
| GEO 3 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.02 | ok |
| GEO 1 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.02 | ok |
| GEO 1 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.02 | ok |
| GEO 3 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.02 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|-------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 3 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.02 | ok |
| GEO 3 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.05 | ok |
| GEO 3 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.05 | ok |
| GEO 3 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.08 | ok |
| GEO 3 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.08 | ok |
| GEO 1 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.09 | ok |
| GEO 1 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.09 | ok |
| GEO 1 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.09 | ok |
| GEO 1 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.09 | ok |
| GEO 3 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.11 | ok |
| GEO 3 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.11 | ok |
| GEO 3 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.11 | ok |
| GEO 3 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.11 | ok |
| GEO 1 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.11 | ok |
| GEO 1 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.11 | ok |
| GEO 1 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.12 | ok |
| GEO 1 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.12 | ok |
| GEO 3 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.12 | ok |
| GEO 3 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.12 | ok |
| GEO 1 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.12 | ok |
| GEO 1 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.12 | ok |
| GEO 1 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.13 | ok |
| GEO 1 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.13 | ok |
| GEO 3 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.13 | ok |
| GEO 3 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.13 | ok |
| GEO 3 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.13 | ok |
| GEO 3 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.13 | ok |
| GEO 1 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.14 | ok |
| GEO 1 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.14 | ok |
| GEO 1 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.18 | ok |
| GEO 1 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.18 | ok |
| GEO 1 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.19 | ok |
| GEO 1 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.19 | ok |
| GEO 3 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.19 | ok |
| GEO 3 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.19 | ok |
| GEO 3 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.2 | ok |
| GEO 3 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.2 | ok |
| GEO 1 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.2 | ok |
| GEO 1 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.2 | ok |
| GEO 1 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.22 | ok |
| GEO 1 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.22 | ok |
| GEO 3 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.23 | ok |
| GEO 3 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.23 | ok |
| GEO 1 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.23 | ok |
| GEO 1 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.23 | ok |
| GEO 3 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.23 | ok |
| GEO 3 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.23 | ok |
| GEO 3 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.23 | ok |
| GEO 3 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.23 | ok |
| GEO 3 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.24 | ok |
| GEO 3 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.24 | ok |
| GEO 3 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.25 | ok |
| GEO 3 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.25 | ok |
| GEO 1 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.26 | ok |
| GEO 1 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.26 | ok |
| GEO 1 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.27 | ok |
| GEO 1 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.27 | ok |
| GEO 1 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.28 | ok |
| GEO 1 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.28 | ok |
| GEO 1 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.28 | ok |
| GEO 1 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.28 | ok |
| GEO 3 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.29 | ok |
| GEO 3 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.29 | ok |
| GEO 3 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.3 | ok |
| GEO 3 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.3 | ok |
| GEO 3 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.31 | ok |
| GEO 3 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.31 | ok |
| GEO 1 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.34 | ok |
| GEO 1 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.34 | ok |
| GEO 3 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.34 | ok |
| GEO 3 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.34 | ok |
| GEO 3 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.34 | ok |
| GEO 3 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.34 | ok |
| GEO 1 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.35 | ok |
| GEO 1 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.35 | ok |
| GEO 3 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.36 | ok |
| GEO 3 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.36 | ok |
| GEO 1 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.36 | ok |
| GEO 1 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.36 | ok |
| GEO 3 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.38 | ok |
| GEO 3 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.38 | ok |
| GEO 1 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.38 | ok |
| GEO 1 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.38 | ok |
| GEO 3 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.39 | ok |
| GEO 3 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.39 | ok |
| GEO 3 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.39 | ok |
| GEO 3 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.39 | ok |
| GEO 1 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.42 | ok |
| GEO 1 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.42 | ok |
| GEO 1 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.43 | ok |
| GEO 1 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.43 | ok |
| GEO 1 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.43 | ok |
| GEO 1 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.43 | ok |
| GEO 3 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.45 | ok |
| GEO 3 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.45 | ok |
| GEO 1 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.46 | ok |
| GEO 1 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.46 | ok |
| GEO 1 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.46 | ok |
| GEO 1 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.46 | ok |
| GEO 3 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.46 | ok |
| GEO 3 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.46 | ok |
| GEO 3 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.48 | ok |
| GEO 3 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.48 | ok |
| GEO 1 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.5 | ok |
| GEO 1 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.5 | ok |
| GEO 3 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.5 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 3 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.5 | ok |
| GEO 1 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.52 | ok |
| GEO 1 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.52 | ok |
| GEO 2 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.53 | ok |
| GEO 2 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.53 | ok |
| GEO 1 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.53 | ok |
| GEO 1 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.53 | ok |
| GEO 3 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.53 | ok |
| GEO 3 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.53 | ok |
| GEO 2 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.53 | ok |
| GEO 2 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.53 | ok |
| GEO 1 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.54 | ok |
| GEO 1 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.54 | ok |
| GEO 2 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.54 | ok |
| GEO 2 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.54 | ok |
| GEO 3 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.54 | ok |
| GEO 3 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.54 | ok |
| GEO 3 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.55 | ok |
| GEO 3 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.55 | ok |
| GEO 1 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.55 | ok |
| GEO 1 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.55 | ok |
| GEO 1 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.58 | ok |
| GEO 1 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.58 | ok |
| GEO 3 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.58 | ok |
| GEO 3 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.58 | ok |
| GEO 3 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.58 | ok |
| GEO 3 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.58 | ok |
| GEO 1 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.59 | ok |
| GEO 1 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.59 | ok |
| GEO 2 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.59 | ok |
| GEO 2 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.59 | ok |
| GEO 2 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.59 | ok |
| GEO 2 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.59 | ok |
| GEO 2 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.59 | ok |
| GEO 2 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.59 | ok |
| GEO 1 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.6 | ok |
| GEO 1 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.6 | ok |
| GEO 3 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.62 | ok |
| GEO 3 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.62 | ok |
| GEO 2 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.63 | ok |
| GEO 2 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.63 | ok |
| SLVml 1 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.63 | ok |
| SLVml 2 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.63 | ok |
| GEO 3 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.64 | ok |
| GEO 3 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.64 | ok |
| GEO 3 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.64 | ok |
| GEO 3 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.64 | ok |
| GEO 2 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.64 | ok |
| GEO 2 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.64 | ok |
| SLVml 1 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.64 | ok |
| SLVml 2 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.64 | ok |
| GEO 1 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.65 | ok |
| GEO 1 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.65 | ok |
| GEO 1 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.65 | ok |
| GEO 1 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.65 | ok |
| GEO 4 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| GEO 4 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| GEO 3 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.66 | ok |
| GEO 3 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.66 | ok |
| GEO 4 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.66 | ok |
| GEO 4 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.66 | ok |
| SLVml 2 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| SLVml 1 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| SLVml 1 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.67 | ok |
| SLVml 2 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.67 | ok |
| GEO 4 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.67 | ok |
| GEO 4 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.67 | ok |
| GEO 3 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.68 | ok |
| GEO 3 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.68 | ok |
| SLVml 2 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.69 | ok |
| SLVml 1 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.69 | ok |
| GEO 1 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.69 | ok |
| GEO 1 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.69 | ok |
| SLVml 1 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.69 | ok |
| SLVml 2 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.69 | ok |
| GEO 3 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.7 | ok |
| GEO 3 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.7 | ok |
| GEO 2 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.7 | ok |
| GEO 2 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.7 | ok |
| SLVml 1 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.7 | ok |
| SLVml 2 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.7 | ok |
| SLVml 1 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.71 | ok |
| SLVml 2 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.71 | ok |
| GEO 3 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.71 | ok |
| GEO 3 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.71 | ok |
| GEO 1 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.71 | ok |
| GEO 1 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.71 | ok |
| GEO 1 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.72 | ok |
| GEO 1 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.72 | ok |
| GEO 3 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.72 | ok |
| GEO 3 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.72 | ok |
| GEO 4 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.72 | ok |
| GEO 4 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.72 | ok |
| GEO 2 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.73 | ok |
| GEO 2 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.73 | ok |
| GEO 2 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.73 | ok |
| GEO 2 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.73 | ok |
| GEO 4 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.73 | ok |
| GEO 4 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.73 | ok |
| GEO 4 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.73 | ok |
| GEO 4 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.73 | ok |
| GEO 2 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.74 | ok |
| GEO 2 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.74 | ok |
| SLVml 2 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.74 | ok |
| SLVml 1 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.74 | ok |
| SLVml 1 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.74 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| SLVml 2 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.74 | ok |
| SLVml 2 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.76 | ok |
| SLVml 1 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.76 | ok |
| SLVml 2 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.76 | ok |
| SLVml 1 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.76 | ok |
| GEO 2 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.76 | ok |
| GEO 2 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.76 | ok |
| GEO 4 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.77 | ok |
| GEO 4 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.77 | ok |
| GEO 4 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.77 | ok |
| GEO 4 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.77 | ok |
| GEO 3 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.77 | ok |
| GEO 3 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.77 | ok |
| GEO 3 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.77 | ok |
| GEO 3 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.77 | ok |
| SLVml 1 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.77 | ok |
| SLVml 2 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.77 | ok |
| SLVml 2 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.78 | ok |
| SLVml 1 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.78 | ok |
| SLVml 2 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.78 | ok |
| SLVml 1 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.78 | ok |
| GEO 1 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.79 | ok |
| GEO 1 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.79 | ok |
| SLVml 1 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.79 | ok |
| SLVml 2 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.79 | ok |
| GEO 2 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.8 | ok |
| GEO 2 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.8 | ok |
| GEO 2 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.8 | ok |
| GEO 2 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.8 | ok |
| SLVml 2 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.81 | ok |
| SLVml 1 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.81 | ok |
| SLVml 2 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.81 | ok |
| SLVml 1 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.81 | ok |
| GEO 3 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.81 | ok |
| GEO 3 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.81 | ok |
| GEO 2 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.82 | ok |
| GEO 2 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.82 | ok |
| SLVml 2 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.82 | ok |
| SLVml 1 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.82 | ok |
| GEO 3 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.83 | ok |
| GEO 3 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.83 | ok |
| GEO 4 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.83 | ok |
| GEO 4 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.83 | ok |
| SLVml 1 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.84 | ok |
| SLVml 2 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.84 | ok |
| GEO 2 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.84 | ok |
| GEO 2 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.84 | ok |
| GEO 3 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.84 | ok |
| GEO 3 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.84 | ok |
| SLVml 2 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.84 | ok |
| SLVml 1 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.84 | ok |
| SLVml 2 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.85 | ok |
| SLVml 1 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.85 | ok |
| GEO 4 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.85 | ok |
| GEO 4 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.85 | ok |
| GEO 1 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.86 | ok |
| GEO 1 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.86 | ok |
| GEO 4 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.87 | ok |
| GEO 4 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.87 | ok |
| GEO 4 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.87 | ok |
| GEO 4 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.87 | ok |
| GEO 2 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.88 | ok |
| GEO 2 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.88 | ok |
| SLVml 1 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.89 | ok |
| SLVml 2 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.89 | ok |
| SLVml 2 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.89 | ok |
| SLVml 1 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.89 | ok |
| SLVml 1 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.9 | ok |
| SLVml 2 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.9 | ok |
| GEO 4 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.9 | ok |
| GEO 4 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.9 | ok |
| SLVml 1 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.9 | ok |
| SLVml 2 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.9 | ok |
| SLVml 1 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.9 | ok |
| SLVml 2 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.9 | ok |
| GEO 1 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 7.9 | ok |
| GEO 1 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 7.9 | ok |
| GEO 3 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.91 | ok |
| GEO 3 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.91 | ok |
| GEO 2 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.92 | ok |
| GEO 2 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.92 | ok |
| GEO 2 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.92 | ok |
| GEO 2 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.92 | ok |
| GEO 2 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.93 | ok |
| GEO 2 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.93 | ok |
| SLVml 2 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.93 | ok |
| SLVml 1 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.93 | ok |
| SLVml 1 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.93 | ok |
| SLVml 2 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.93 | ok |
| GEO 2 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.94 | ok |
| GEO 2 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.94 | ok |
| SLVml 1 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.94 | ok |
| SLVml 2 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.94 | ok |
| GEO 4 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.94 | ok |
| GEO 4 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.94 | ok |
| GEO 4 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.95 | ok |
| GEO 4 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.95 | ok |
| GEO 2 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.95 | ok |
| GEO 2 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.95 | ok |
| GEO 4 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.96 | ok |
| GEO 4 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.96 | ok |
| SLVml 1 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.97 | ok |
| SLVml 2 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.97 | ok |
| GEO 2 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.97 | ok |
| GEO 2 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.97 | ok |
| GEO 4 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.98 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 4 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.98 | ok |
| GEO 3 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.99 | ok |
| GEO 3 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.99 | ok |
| GEO 2 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.99 | ok |
| GEO 2 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.99 | ok |
| GEO 2 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.01 | ok |
| GEO 2 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.01 | ok |
| SLVml 1 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.01 | ok |
| SLVml 2 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.01 | ok |
| GEO 2 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.01 | ok |
| GEO 2 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.01 | ok |
| GEO 3 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.02 | ok |
| GEO 3 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.02 | ok |
| SLVml 1 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.02 | ok |
| SLVml 2 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.02 | ok |
| GEO 4 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.03 | ok |
| GEO 4 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.03 | ok |
| GEO 2 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.03 | ok |
| GEO 2 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.03 | ok |
| SLVml 2 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.03 | ok |
| SLVml 1 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.03 | ok |
| SLVml 1 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.04 | ok |
| SLVml 2 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.04 | ok |
| GEO 1 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.04 | ok |
| GEO 1 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.04 | ok |
| SLVml 1 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.04 | ok |
| SLVml 2 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.04 | ok |
| GEO 1 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.05 | ok |
| GEO 1 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.05 | ok |
| GEO 4 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.06 | ok |
| GEO 4 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.06 | ok |
| GEO 4 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.06 | ok |
| GEO 4 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.06 | ok |
| GEO 2 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| GEO 2 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| SLVml 1 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| SLVml 2 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| GEO 1 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.06 | ok |
| GEO 1 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.06 | ok |
| GEO 2 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.06 | ok |
| GEO 2 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.06 | ok |
| GEO 1 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.07 | ok |
| GEO 1 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.07 | ok |
| GEO 4 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.08 | ok |
| GEO 4 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.08 | ok |
| GEO 1 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.08 | ok |
| GEO 1 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.08 | ok |
| GEO 1 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.08 | ok |
| GEO 1 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.08 | ok |
| GEO 1 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.08 | ok |
| GEO 1 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.08 | ok |
| GEO 4 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.08 | ok |
| GEO 4 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.08 | ok |
| SLVml 2 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.09 | ok |
| SLVml 1 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.09 | ok |
| GEO 1 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.1 | ok |
| GEO 1 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.1 | ok |
| GEO 4 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.1 | ok |
| GEO 4 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.1 | ok |
| SLVml 1 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.1 | ok |
| SLVml 2 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.1 | ok |
| GEO 2 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.11 | ok |
| GEO 2 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.11 | ok |
| GEO 4 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.11 | ok |
| GEO 4 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.11 | ok |
| GEO 1 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.12 | ok |
| GEO 1 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.12 | ok |
| GEO 2 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.12 | ok |
| GEO 2 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.12 | ok |
| GEO 4 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.13 | ok |
| GEO 4 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.13 | ok |
| GEO 4 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.14 | ok |
| GEO 4 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.14 | ok |
| GEO 1 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.14 | ok |
| GEO 1 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.14 | ok |
| GEO 4 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.14 | ok |
| GEO 4 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.14 | ok |
| SLVml 1 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.15 | ok |
| SLVml 2 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.15 | ok |
| GEO 1 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.15 | ok |
| GEO 1 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.15 | ok |
| GEO 3 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.15 | ok |
| GEO 3 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.15 | ok |
| GEO 1 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.15 | ok |
| GEO 1 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.15 | ok |
| SLVml 1 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.17 | ok |
| SLVml 2 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.17 | ok |
| GEO 1 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.17 | ok |
| GEO 1 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.17 | ok |
| GEO 4 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.17 | ok |
| GEO 4 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.17 | ok |
| GEO 3 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.18 | ok |
| GEO 3 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.18 | ok |
| SLVml 2 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.18 | ok |
| SLVml 1 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.18 | ok |
| SLVml 2 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.19 | ok |
| SLVml 1 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.19 | ok |
| GEO 3 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.19 | ok |
| GEO 3 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.19 | ok |
| SLVml 2 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.19 | ok |
| SLVml 1 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.19 | ok |
| GEO 2 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.19 | ok |
| GEO 2 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.19 | ok |
| GEO 2 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.2 | ok |
| GEO 2 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.2 | ok |
| GEO 3 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.2 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 3 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.2 | ok |
| SLVml 2 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.2 | ok |
| SLVml 1 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.2 | ok |
| GEO 3 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.21 | ok |
| GEO 3 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.21 | ok |
| SLVml 1 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.21 | ok |
| SLVml 2 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.21 | ok |
| GEO 4 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.21 | ok |
| GEO 4 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.21 | ok |
| GEO 3 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.21 | ok |
| GEO 3 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.21 | ok |
| GEO 3 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.21 | ok |
| GEO 3 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.21 | ok |
| GEO 4 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.21 | ok |
| GEO 4 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.21 | ok |
| GEO 2 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.21 | ok |
| GEO 2 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.21 | ok |
| GEO 2 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.22 | ok |
| GEO 2 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.22 | ok |
| GEO 3 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.22 | ok |
| GEO 3 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.22 | ok |
| GEO 1 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.23 | ok |
| GEO 1 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.23 | ok |
| GEO 2 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.23 | ok |
| GEO 2 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.23 | ok |
| SLVml 1 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.24 | ok |
| SLVml 2 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.24 | ok |
| GEO 1 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.24 | ok |
| GEO 1 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.24 | ok |
| GEO 2 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.25 | ok |
| GEO 2 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.25 | ok |
| GEO 3 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.25 | ok |
| GEO 3 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.25 | ok |
| SLVml 1 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.25 | ok |
| SLVml 2 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.25 | ok |
| GEO 4 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.25 | ok |
| GEO 4 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.25 | ok |
| GEO 2 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.26 | ok |
| GEO 2 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.26 | ok |
| GEO 4 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.27 | ok |
| GEO 4 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.27 | ok |
| GEO 3 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.27 | ok |
| GEO 3 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.27 | ok |
| GEO 3 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.27 | ok |
| GEO 3 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.27 | ok |
| GEO 3 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.28 | ok |
| GEO 3 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.28 | ok |
| GEO 3 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.3 | ok |
| GEO 3 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.3 | ok |
| GEO 2 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.3 | ok |
| GEO 2 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.3 | ok |
| GEO 2 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.33 | ok |
| GEO 2 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.33 | ok |
| GEO 4 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.34 | ok |
| GEO 4 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.34 | ok |
| GEO 2 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.35 | ok |
| GEO 2 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.35 | ok |
| GEO 4 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.35 | ok |
| GEO 4 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.35 | ok |
| GEO 4 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.35 | ok |
| GEO 4 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.35 | ok |
| SLVml 1 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.35 | ok |
| SLVml 2 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.35 | ok |
| GEO 3 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.36 | ok |
| GEO 3 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.36 | ok |
| GEO 2 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.36 | ok |
| GEO 2 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.36 | ok |
| GEO 3 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.37 | ok |
| GEO 3 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.37 | ok |
| GEO 4 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.37 | ok |
| GEO 4 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.37 | ok |
| GEO 2 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.37 | ok |
| GEO 2 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.37 | ok |
| GEO 4 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.38 | ok |
| GEO 4 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.38 | ok |
| SLVml 2 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.38 | ok |
| SLVml 1 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.38 | ok |
| SLVml 2 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.39 | ok |
| SLVml 1 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.39 | ok |
| SLVml 1 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.39 | ok |
| SLVml 2 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.39 | ok |
| GEO 4 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.39 | ok |
| GEO 4 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.39 | ok |
| SLVml 2 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.39 | ok |
| SLVml 1 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.39 | ok |
| GEO 1 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.4 | ok |
| GEO 1 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.4 | ok |
| GEO 2 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.4 | ok |
| GEO 2 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.4 | ok |
| GEO 4 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.41 | ok |
| GEO 4 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.41 | ok |
| GEO 2 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.43 | ok |
| GEO 2 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.43 | ok |
| SLVml 1 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.43 | ok |
| SLVml 2 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.43 | ok |
| GEO 2 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.43 | ok |
| GEO 2 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.43 | ok |
| GEO 4 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.45 | ok |
| GEO 4 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.45 | ok |
| GEO 2 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.46 | ok |
| GEO 2 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.46 | ok |
| GEO 1 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.47 | ok |
| GEO 1 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.47 | ok |
| GEO 2 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.47 | ok |
| GEO 2 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.47 | ok |
| SLVml 2 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.48 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| SLVml 1 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.48 | ok |
| GEO 4 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.49 | ok |
| GEO 4 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.49 | ok |
| GEO 4 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.49 | ok |
| GEO 4 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.49 | ok |
| SLVml 1 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.49 | ok |
| SLVml 2 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.49 | ok |
| SLVml 1 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.5 | ok |
| SLVml 2 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.5 | ok |
| SLVml 2 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| SLVml 1 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| GEO 2 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| GEO 2 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| SLVml 2 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.51 | ok |
| SLVml 1 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.51 | ok |
| GEO 4 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.51 | ok |
| GEO 4 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.51 | ok |
| GEO 4 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.52 | ok |
| GEO 4 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.52 | ok |
| SLVml 2 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.53 | ok |
| SLVml 1 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.53 | ok |
| GEO 3 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.53 | ok |
| GEO 3 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.53 | ok |
| GEO 2 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.54 | ok |
| GEO 2 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.54 | ok |
| SLVml 2 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.54 | ok |
| SLVml 1 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.54 | ok |
| GEO 2 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.54 | ok |
| GEO 2 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.54 | ok |
| GEO 4 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.55 | ok |
| GEO 4 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.55 | ok |
| GEO 2 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.57 | ok |
| GEO 2 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.57 | ok |
| GEO 4 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.58 | ok |
| GEO 4 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.58 | ok |
| SLVml 2 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.58 | ok |
| SLVml 1 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.58 | ok |
| GEO 4 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.59 | ok |
| GEO 4 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.59 | ok |
| GEO 3 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.6 | ok |
| GEO 3 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.6 | ok |
| SLVml 2 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.61 | ok |
| SLVml 1 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.61 | ok |
| GEO 4 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.62 | ok |
| GEO 4 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.62 | ok |
| GEO 2 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.63 | ok |
| GEO 2 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.63 | ok |
| GEO 4 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.63 | ok |
| GEO 4 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.63 | ok |
| SLVml 2 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.65 | ok |
| SLVml 1 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.65 | ok |
| GEO 4 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.66 | ok |
| GEO 4 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.66 | ok |
| GEO 2 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.68 | ok |
| GEO 2 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.68 | ok |
| GEO 4 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.68 | ok |
| GEO 4 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.68 | ok |
| GEO 4 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.7 | ok |
| GEO 4 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.7 | ok |
| GEO 1 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.7 | ok |
| GEO 1 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.7 | ok |
| SLVml 1 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.72 | ok |
| SLVml 2 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.72 | ok |
| GEO 4 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.72 | ok |
| GEO 4 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.72 | ok |
| GEO 2 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.73 | ok |
| GEO 2 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.73 | ok |
| GEO 2 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.73 | ok |
| GEO 2 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.73 | ok |
| GEO 1 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.75 | ok |
| GEO 1 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.75 | ok |
| SLVml 1 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.76 | ok |
| SLVml 2 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.76 | ok |
| SLVml 2 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.78 | ok |
| SLVml 1 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.78 | ok |
| GEO 1 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.78 | ok |
| GEO 1 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.78 | ok |
| GEO 1 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.78 | ok |
| GEO 1 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.78 | ok |
| GEO 4 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.79 | ok |
| GEO 4 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.79 | ok |
| GEO 1 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.79 | ok |
| GEO 1 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.79 | ok |
| SLVml 2 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.79 | ok |
| SLVml 1 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.79 | ok |
| SLVml 1 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.8 | ok |
| SLVml 2 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.8 | ok |
| GEO 1 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.8 | ok |
| GEO 1 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.8 | ok |
| SLVml 1 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.81 | ok |
| SLVml 2 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.81 | ok |
| GEO 1 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.82 | ok |
| GEO 1 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.82 | ok |
| GEO 3 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.83 | ok |
| GEO 3 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.83 | ok |
| GEO 4 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.84 | ok |
| GEO 4 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.84 | ok |
| GEO 2 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.86 | ok |
| GEO 2 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.86 | ok |
| SLVml 2 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.87 | ok |
| SLVml 1 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.87 | ok |
| GEO 4 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.87 | ok |
| GEO 4 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.87 | ok |
| GEO 1 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.88 | ok |
| GEO 1 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.88 | ok |
| GEO 4 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.88 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 4 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.88 | ok |
| GEO 3 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.88 | ok |
| GEO 3 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.88 | ok |
| GEO 3 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.91 | ok |
| GEO 3 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.91 | ok |
| SLVml 1 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.92 | ok |
| SLVml 2 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.92 | ok |
| GEO 3 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.92 | ok |
| GEO 3 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.92 | ok |
| GEO 3 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.93 | ok |
| GEO 3 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.93 | ok |
| GEO 3 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.94 | ok |
| GEO 3 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.94 | ok |
| GEO 2 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.96 | ok |
| GEO 2 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.96 | ok |
| SLVml 2 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.96 | ok |
| SLVml 1 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.96 | ok |
| GEO 3 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.96 | ok |
| GEO 3 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.96 | ok |
| GEO 2 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.97 | ok |
| GEO 2 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.97 | ok |
| GEO 2 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.98 | ok |
| GEO 2 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.98 | ok |
| GEO 1 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.99 | ok |
| GEO 1 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.99 | ok |
| GEO 4 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9 | ok |
| GEO 4 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9 | ok |
| GEO 2 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.01 | ok |
| GEO 2 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.01 | ok |
| GEO 2 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.01 | ok |
| GEO 2 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.01 | ok |
| GEO 3 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.01 | ok |
| GEO 3 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.01 | ok |
| GEO 2 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.01 | ok |
| GEO 2 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.01 | ok |
| GEO 2 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.02 | ok |
| GEO 2 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.02 | ok |
| GEO 2 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.03 | ok |
| GEO 2 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.03 | ok |
| GEO 2 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.08 | ok |
| GEO 2 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.08 | ok |
| GEO 2 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.08 | ok |
| GEO 2 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.08 | ok |
| GEO 2 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.08 | ok |
| GEO 2 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.08 | ok |
| GEO 2 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.09 | ok |
| GEO 2 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.09 | ok |
| SLVml 1 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.11 | ok |
| SLVml 2 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.11 | ok |
| GEO 4 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.12 | ok |
| GEO 4 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.12 | ok |
| SLVml 1 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.13 | ok |
| SLVml 2 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.13 | ok |
| GEO 3 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.13 | ok |
| GEO 3 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.13 | ok |
| GEO 4 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.14 | ok |
| GEO 4 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.14 | ok |
| SLVml 2 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.14 | ok |
| SLVml 1 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.14 | ok |
| GEO 4 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.14 | ok |
| GEO 4 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.14 | ok |
| GEO 4 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.16 | ok |
| GEO 4 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.16 | ok |
| GEO 2 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.17 | ok |
| GEO 2 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.17 | ok |
| SLVml 2 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.17 | ok |
| SLVml 1 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.17 | ok |
| GEO 2 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.17 | ok |
| GEO 2 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.17 | ok |
| GEO 4 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.18 | ok |
| GEO 4 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.18 | ok |
| GEO 4 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.18 | ok |
| GEO 4 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.18 | ok |
| GEO 4 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.18 | ok |
| GEO 4 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.18 | ok |
| GEO 4 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.2 | ok |
| GEO 4 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.2 | ok |
| SLVml 2 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.2 | ok |
| SLVml 1 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.2 | ok |
| SLVml 1 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.21 | ok |
| SLVml 2 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.21 | ok |
| GEO 1 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.22 | ok |
| GEO 1 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.22 | ok |
| GEO 4 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.24 | ok |
| GEO 4 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.24 | ok |
| GEO 4 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.24 | ok |
| GEO 4 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.24 | ok |
| GEO 4 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.25 | ok |
| GEO 4 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.25 | ok |
| GEO 4 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.25 | ok |
| GEO 4 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.25 | ok |
| SLVml 1 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.26 | ok |
| SLVml 2 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.26 | ok |
| SLVml 1 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.3 | ok |
| SLVml 2 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.3 | ok |
| GEO 2 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.33 | ok |
| GEO 2 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.33 | ok |
| GEO 4 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.34 | ok |
| GEO 4 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.34 | ok |
| GEO 4 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.34 | ok |
| GEO 4 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.34 | ok |
| SLVml 2 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.34 | ok |
| SLVml 1 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.34 | ok |
| GEO 1 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.35 | ok |
| GEO 1 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.35 | ok |
| GEO 3 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.36 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 3 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.36 | ok |
| GEO 1 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.41 | ok |
| GEO 1 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.41 | ok |
| GEO 2 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.41 | ok |
| GEO 2 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.41 | ok |
| SLVml 1 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.46 | ok |
| SLVml 2 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.46 | ok |
| GEO 4 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.49 | ok |
| GEO 4 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.49 | ok |
| GEO 3 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.49 | ok |
| GEO 3 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.49 | ok |
| GEO 3 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.55 | ok |
| GEO 3 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.55 | ok |
| SLVml 1 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.55 | ok |
| SLVml 2 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.55 | ok |
| SLVml 2 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.58 | ok |
| SLVml 1 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.58 | ok |
| GEO 1 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.58 | ok |
| GEO 1 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.58 | ok |
| GEO 4 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.58 | ok |
| GEO 4 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.58 | ok |
| GEO 1 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.6 | ok |
| GEO 1 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.6 | ok |
| GEO 1 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.62 | ok |
| GEO 1 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.62 | ok |
| SLVml 1 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.62 | ok |
| SLVml 2 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.62 | ok |
| SLVml 2 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.62 | ok |
| SLVml 1 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.62 | ok |
| GEO 2 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.64 | ok |
| GEO 2 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.64 | ok |
| GEO 1 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.67 | ok |
| GEO 1 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.67 | ok |
| GEO 2 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.67 | ok |
| GEO 2 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.67 | ok |
| GEO 2 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.7 | ok |
| GEO 2 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.7 | ok |
| GEO 3 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.73 | ok |
| GEO 3 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.73 | ok |
| GEO 3 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.75 | ok |
| GEO 3 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.75 | ok |
| GEO 3 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.76 | ok |
| GEO 3 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.76 | ok |
| GEO 1 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.77 | ok |
| GEO 1 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.77 | ok |
| GEO 2 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.79 | ok |
| GEO 2 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.79 | ok |
| GEO 2 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.79 | ok |
| GEO 2 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.79 | ok |
| GEO 2 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.8 | ok |
| GEO 2 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.8 | ok |
| GEO 4 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.8 | ok |
| GEO 4 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.8 | ok |
| GEO 3 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.82 | ok |
| GEO 3 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.82 | ok |
| GEO 4 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.83 | ok |
| GEO 4 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.83 | ok |
| GEO 2 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.83 | ok |
| GEO 2 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.83 | ok |
| SLVml 1 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.86 | ok |
| SLVml 2 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.86 | ok |
| GEO 4 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.87 | ok |
| GEO 4 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.87 | ok |
| GEO 2 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.88 | ok |
| GEO 2 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.88 | ok |
| SLVml 2 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.91 | ok |
| SLVml 1 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.91 | ok |
| GEO 3 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.92 | ok |
| GEO 3 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.92 | ok |
| GEO 1 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.95 | ok |
| GEO 1 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.95 | ok |
| GEO 4 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.96 | ok |
| GEO 4 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.96 | ok |
| GEO 4 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.97 | ok |
| GEO 4 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.97 | ok |
| GEO 4 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.98 | ok |
| GEO 4 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.98 | ok |
| GEO 2 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10 | ok |
| GEO 2 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10 | ok |
| GEO 4 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.01 | ok |
| GEO 4 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.01 | ok |
| GEO 4 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.06 | ok |
| GEO 4 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.06 | ok |
| GEO 3 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.1 | ok |
| GEO 3 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.1 | ok |
| SLVml 1 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.12 | ok |
| SLVml 2 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.12 | ok |
| SLVml 1 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.17 | ok |
| SLVml 2 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.17 | ok |
| GEO 4 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.18 | ok |
| GEO 4 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.18 | ok |
| GEO 1 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.19 | ok |
| GEO 1 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.19 | ok |
| GEO 1 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.2 | ok |
| GEO 1 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.2 | ok |
| SLVml 2 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.22 | ok |
| SLVml 1 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.22 | ok |
| GEO 1 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.24 | ok |
| GEO 1 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.24 | ok |
| GEO 2 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.25 | ok |
| GEO 2 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.25 | ok |
| GEO 3 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.34 | ok |
| GEO 3 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.34 | ok |
| GEO 2 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.35 | ok |
| GEO 2 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.35 | ok |
| GEO 3 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.36 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 3 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.36 | ok |
| GEO 3 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.39 | ok |
| GEO 3 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.39 | ok |
| GEO 2 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.4 | ok |
| GEO 2 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.4 | ok |
| GEO 4 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.43 | ok |
| GEO 4 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.43 | ok |
| SLVml 1 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.48 | ok |
| SLVml 2 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.48 | ok |
| GEO 4 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.52 | ok |
| GEO 4 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.52 | ok |
| GEO 4 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.57 | ok |
| GEO 4 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.57 | ok |
| GEO 1 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.65 | ok |
| GEO 1 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.65 | ok |
| SLVml 2 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.68 | ok |
| SLVml 1 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.68 | ok |
| GEO 2 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.68 | ok |
| GEO 2 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.68 | ok |
| GEO 2 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.68 | ok |
| GEO 2 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.68 | ok |
| GEO 2 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.7 | ok |
| GEO 2 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.7 | ok |
| GEO 2 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.78 | ok |
| GEO 2 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.78 | ok |
| SLVml 1 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.82 | ok |
| SLVml 2 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.82 | ok |
| GEO 3 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.82 | ok |
| GEO 3 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.82 | ok |
| GEO 4 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.88 | ok |
| GEO 4 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.88 | ok |
| GEO 2 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.88 | ok |
| GEO 2 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.88 | ok |
| GEO 4 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.88 | ok |
| GEO 4 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.88 | ok |
| GEO 4 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.9 | ok |
| GEO 4 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.9 | ok |
| GEO 4 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.97 | ok |
| GEO 4 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.97 | ok |
| GEO 2 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.08 | ok |
| GEO 2 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.08 | ok |
| GEO 4 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.08 | ok |
| GEO 4 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.08 | ok |
| SLVml 2 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.17 | ok |
| SLVml 1 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.17 | ok |
| GEO 1 | 2 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.22 | ok |
| GEO 1 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.22 | ok |
| SLVml 4 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.24 | ok |
| SLVml 3 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.24 | ok |
| GEO 2 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.28 | ok |
| GEO 2 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.28 | ok |
| GEO 4 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.28 | ok |
| GEO 4 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.28 | ok |
| SLVml 3 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.29 | ok |
| SLVml 4 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.29 | ok |
| GEO 2 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.3 | ok |
| GEO 2 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.3 | ok |
| SLVml 1 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.31 | ok |
| SLVml 2 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.31 | ok |
| GEO 2 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.36 | ok |
| GEO 2 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.36 | ok |
| GEO 3 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.39 | ok |
| GEO 3 | 2 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.39 | ok |
| SLVml 4 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 11.42 | ok |
| SLVml 3 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 11.42 | ok |
| GEO 4 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.46 | ok |
| GEO 4 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.46 | ok |
| GEO 4 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.49 | ok |
| GEO 4 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.49 | ok |
| SLVml 4 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 11.51 | ok |
| SLVml 3 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 11.51 | ok |
| GEO 1 | 3 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.56 | ok |
| GEO 1 | 2 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.56 | ok |
| GEO 4 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.56 | ok |
| GEO 4 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.56 | ok |
| SLVml 4 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 11.58 | ok |
| SLVml 3 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 11.58 | ok |
| SLVml 3 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 11.71 | ok |
| SLVml 4 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 11.71 | ok |
| GEO 3 | 3 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.74 | ok |
| GEO 3 | 2 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.74 | ok |
| SLVml 4 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 11.76 | ok |
| SLVml 3 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 11.76 | ok |
| SLVml 3 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 11.8 | ok |
| SLVml 4 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 11.8 | ok |
| SLVml 3 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.81 | ok |
| SLVml 4 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.81 | ok |
| SLVml 3 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.85 | ok |
| SLVml 4 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.85 | ok |
| GEO 2 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.86 | ok |
| GEO 2 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.86 | ok |
| SLVml 3 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12 | ok |
| SLVml 4 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12 | ok |
| SLVml 4 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 12.05 | ok |
| SLVml 3 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 12.05 | ok |
| SLVml 4 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 12.06 | ok |
| SLVml 3 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 12.06 | ok |
| GEO 4 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.08 | ok |
| GEO 4 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.08 | ok |
| SLVml 3 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 12.21 | ok |
| SLVml 4 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 12.21 | ok |
| SLVml 4 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 12.29 | ok |

Significato dei simboli utilizzati:

- Cmb: combinazione di calcolo
- Stg: fase di calcolo
- Id: indice del centro
- Xc: coordinata X del centro [m]
- Zc: coordinata Z del centro [m]
- Rg: raggio della superficie circolare [m]
- Lg: lunghezza della superficie circolare [m]
- Asx: angolo con l'orizzontale formato dalla superficie a sx [deg]
- Adx: angolo con l'orizzontale (deg) formato dalla superficie a dx [deg]
- CS: fattore di sicurezza normalizzato Rd/Ed
- Ver: stato di verifica

Verifiche di stabilità locale

Verifiche di rototraslazione intorno a un punto dell'opera (atto di moto rigido)

| Stato | | | | Traslazione X positiva | | Traslazione X negativa | | Rotazione Y positiva | | | Rotazione Y negativa | | | MinSF | | Ver |
|---------|-----|----|----|------------------------|------|------------------------|-------|----------------------|---------|--------|----------------------|----------|--------|-------|-----|-----|
| Cmb | Stg | CT | CR | RdT+ | EdT+ | RdT- | EdT- | Z+ | RdR+ | EdR+ | Z- | RdR- | EdR- | CSmin | For | |
| GEO 1 | 3 | Si | Si | 101256 | 3154 | 53280 | -3154 | 5.4 | 5122706 | 656049 | 4.8 | 10656439 | 523535 | 7.8 | Ry+ | ok |
| GEO 3 | 3 | Si | Si | 100412 | 3008 | 53280 | -3008 | 5.4 | 5119809 | 624999 | 4.8 | 10510984 | 498419 | 8.2 | Ry+ | ok |
| GEO 2 | 3 | Si | Si | 95766 | 2277 | 53280 | -2277 | 5.4 | 5103874 | 469994 | 4.8 | 9710986 | 373360 | 10.9 | Ry+ | ok |
| STR 1 | 3 | Si | Si | 150333 | 3244 | 77050 | -3244 | 5.4 | 7335661 | 673444 | 4.8 | 15530670 | 536802 | 10.9 | Ry+ | ok |
| GEO 4 | 3 | Si | Si | 94921 | 2156 | 53280 | -2156 | 5.4 | 5100977 | 444583 | 4.8 | 9565532 | 352915 | 11.5 | Ry+ | ok |
| STR 3 | 3 | Si | Si | 147300 | 2892 | 77050 | -2892 | 5.4 | 7324993 | 598942 | 4.8 | 15020591 | 476650 | 12.2 | Ry+ | ok |
| STR 2 | 3 | Si | Si | 142751 | 2409 | 77050 | -2409 | 5.4 | 7308990 | 496773 | 4.8 | 14255473 | 394359 | 14.7 | Ry+ | ok |
| STR 5 | 3 | Si | Si | 130930 | 2157 | 71342 | -2157 | 5.4 | 6914310 | 446412 | 4.8 | 13610917 | 355112 | 15.5 | Ry+ | ok |
| STR 4 | 3 | Si | Si | 139718 | 2121 | 77050 | -2121 | 5.4 | 7298322 | 436099 | 4.8 | 13745394 | 345568 | 16.7 | Ry+ | ok |
| STR 7 | 3 | Si | Si | 127897 | 1840 | 71342 | -1840 | 5.4 | 6903641 | 379436 | 4.8 | 13100838 | 301172 | 18.2 | Ry+ | ok |
| SLEr 1 | 3 | Si | Si | 127392 | 1793 | 71342 | -1793 | 5.4 | 6901863 | 369493 | 4.8 | 13015825 | 293154 | 18.7 | Ry+ | ok |
| SLVm1 1 | 3 | Si | Si | 113050 | 1664 | 66416 | -1657 | 5.4 | 6435456 | 340288 | 4.8 | 11248588 | 273408 | 18.9 | Ry+ | ok |
| SLVm1 2 | 3 | Si | Si | 113050 | 1664 | 66416 | -1657 | 5.4 | 6435456 | 340288 | 4.8 | 11248588 | 273408 | 18.9 | Ry+ | ok |
| SLVm1 3 | 3 | Si | Si | 113050 | 1484 | 66416 | -1484 | 5.4 | 6435456 | 304294 | 5 | 12160880 | 260632 | 21.1 | Ry+ | ok |
| SLVm1 4 | 3 | Si | Si | 113050 | 1484 | 66416 | -1484 | 5.4 | 6435456 | 304294 | 5 | 12160880 | 260632 | 21.1 | Ry+ | ok |
| SLEf 1 | 3 | Si | Si | 124865 | 1569 | 71342 | -1569 | 5.4 | 6892973 | 322154 | 5 | 13616922 | 276062 | 21.4 | Ry+ | ok |
| SLEqp 1 | 3 | Si | Si | 123854 | 1484 | 71342 | -1484 | 5.4 | 6889417 | 304294 | 5 | 13431024 | 260632 | 22.6 | Ry+ | ok |
| STR 6 | 3 | Si | Si | 123348 | 1443 | 71342 | -1443 | 5.4 | 6887639 | 295593 | 5 | 13338075 | 253118 | 23.3 | Ry+ | ok |
| SLEqp 2 | 3 | Si | Si | 122337 | 1362 | 71342 | -1362 | 5.4 | 6884083 | 278649 | 5 | 13152176 | 238492 | 24.7 | Ry+ | ok |
| SLEf 2 | 3 | Si | Si | 122337 | 1362 | 71342 | -1362 | 5.4 | 6884083 | 278649 | 5 | 13152176 | 238492 | 24.7 | Ry+ | ok |
| SLEr 2 | 3 | Si | Si | 122337 | 1362 | 71342 | -1362 | 5.4 | 6884083 | 278649 | 5 | 13152176 | 238492 | 24.7 | Ry+ | ok |
| STR 8 | 3 | Si | Si | 120315 | 1219 | 71342 | -1219 | 5.4 | 6876971 | 248515 | 5 | 12780379 | 212478 | 27.7 | Ry+ | ok |

Verifiche geotecniche di capacità portante verticale dell'opera

| Id | Cmb | Stg | Fvb | Leff | Cnd | An | Coes | Fid | Gs | Qd | ANmax | Gmm | Rd | Ed | CS | Ver |
|----|---------|-----|---------|------|-----|----|------|-----|------|------|-------|-----|---------|--------|-------|-----|
| 1 | STR 1 | 3 | -111700 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 111700 | 24 | ok |
| 2 | STR 2 | 3 | -111700 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 111700 | 24 | ok |
| 3 | STR 3 | 3 | -111700 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 111700 | 24 | ok |
| 4 | STR 4 | 3 | -111700 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 111700 | 24 | ok |
| 5 | STR 5 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 6 | STR 6 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 7 | STR 7 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 8 | STR 8 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 9 | SLVm1 1 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 10 | SLVm1 2 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 11 | SLVm1 3 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |
| 12 | SLVm1 4 | 3 | -85923 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 85923 | 28.57 | ok |

Fattori di capacità portante verticale

| Id | N | | | S | | | D | | | P | | | E | | |
|----|----|----|----|------|------|------|------|------|---|---|---|---|------|------|------|
| | q | c | g | q | c | g | q | c | g | q | c | g | q | c | g |
| 1 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 2 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 3 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 4 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 5 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 6 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 7 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 8 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 9 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 10 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 11 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 12 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |

Significato dei simboli utilizzati:

- Ver: stato di verifica
- Stato: stato
- Cmb: combinazione di calcolo
- Stg: fase di calcolo
- CT: la paratia può traslare
- CR: la paratia può ruotare
- Traslazione X positiva: verifica alla traslazione rigida verso X positiva
- RdT+: resistenza massima disponibile per spostamento lungo X positiva [daN]
- EdT+: azioni agenti lungo X positiva [daN]
- Traslazione X negativa: verifica alla traslazione rigida verso X negativa
- RdT-: resistenza massima disponibile per spostamento lungo X negativa [daN]
- EdT-: azioni agenti lungo X negativa [daN]
- Rotazione Y positiva: verifica alla rotazione rigida attorno Y positiva
- Z+: quota del nodo di verifica con peggiore coefficiente di sicurezza
- RdR+: momento resistente massimo per rotazione attorno ad Y positiva [daN]
- EdR+: momento complessivo agente attorno ad Y positiva [daN]
- Rotazione Y negativa: verifica alla rotazione rigida attorno Y negativa
- Z-: quota del nodo di verifica con peggiore coefficiente di sicurezza
- RdR-: momento resistente massimo disponibile per rotazione attorno ad Y negativa [daN]
- EdR-: momento complessivo agente attorno ad Y negativa [daN]
- MinSF: fattore di sicurezza minimo
- CSmin: coefficiente di sicurezza minimo
- For: qualificatore della verifica peggiore
- Id: indice

Fvb: forza verticale alla base [daN]
Leff: larghezza efficace [m]
Cnd: condizione di calcolo considerata (BT o LT)
An: eventuali anomalie riscontrate nel calcolo (=-Nessuna anomalia; E=Espulsione del terreno; R=Rottura del terreno; A=Azzerramento dimensione efficace; I=Ipotesi non rispettate; S=Sollevamento della fondazione; D=Dati errati; G=Errore generico)
Coes: coesione di progetto [daN/m²]
Fid: angolo di attrito di progetto [deg]
Gs: peso specifico del suolo di progetto [daN/m³]
Qd: sovraccarico di progetto [daN/m²]
ANmax: accelerazione normalizzata massima attesa al suolo
Gmm: fattore parziale gamma M
Rd: resistenza di progetto [daN]
Ed: azione di progetto (sforzo normale al piano di posa) [daN]
CS: fattore di sicurezza normalizzato Rd/Ed
N: fattore di capacità portante, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
q:
c:
g:
S: fattore correttivo di capacità portante per forma (shape), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
D: fattore correttivo di capacità portante per approfondimento (deep), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
P: fattore correttivo di capacità portante per punzonamento, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
E: fattore correttivo di capacità portante per sisma (earthquake), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

Verifiche Strutturali

Tipo di sezione: Circolare in c.a.
Ingombro esterno singola sezione: 0.4 x 0.4
Copriferro minimo inferiore: 0.035
Copriferro minimo superiore: 0.035
Area complessiva in cls: 0.12566
Larghezza collaborante a taglio: 0.354
Coefficiente parziale sul cls, gammaC: 1.5
Coefficiente parziale sulle barre di armatura, gammaS: 1.15
Resistenza caratteristica a snervamento delle barre di armatura Fyk: 45000000
Resistenza caratteristica del cls Fck: 2490000
Livello di conoscenza: Nuovo
Classe di esposizione del cls: XC2

Verifiche strutturali - Percentuali di armatura

| Z | Armatura longitudinale | | | | | | Staffe | | | | Ver |
|-----|------------------------|-----|-----|------|------|------|--------|--------|------|--------|-----|
| | AaeTot | Aai | Aas | Pat | Pmin | Pmax | Dst | DstMin | Pst | PstMax | |
| 0.2 | 0 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.4 | 0.00022 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.6 | 0.00122 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.8 | 0.00221 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.2 | 0.00221 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.4 | 0.00122 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.6 | 0.00022 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.8 | 0 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |

Verifiche strutturali di resistenza in STR

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|------|----|---|-----------------|------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSl | |
| 0.2 | STR 1 | 3 | -356 | 0 | 0 | -140939 | 0.12 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 2 | 3 | -356 | 0 | 0 | -140939 | 0.09 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 3 | 3 | -356 | 0 | 0 | -140939 | 0.11 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 4 | 3 | -356 | 0 | 0 | -140939 | 0.07 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 5 | 3 | -274 | 0 | 0 | -140939 | 0.1 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 6 | 3 | -274 | 0 | 0 | -140939 | 0.06 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 7 | 3 | -274 | 0 | 0 | -140939 | 0.08 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 8 | 3 | -274 | 0 | 0 | -140939 | 0.05 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 1 | 3 | -356 | 0 | 0 | -140939 | 0.12 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 2 | 3 | -356 | 0 | 0 | -140939 | 0.09 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 3 | 3 | -356 | 0 | 0 | -140939 | 0.11 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 4 | 3 | -356 | 0 | 0 | -140939 | 0.07 | 0 | 0 | 5144 | 30616 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 5 | 3 | -274 | 0 | 0 | -140939 | 0.1 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 6 | 3 | -274 | 0 | 0 | -140939 | 0.06 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 7 | 3 | -274 | 0 | 0 | -140939 | 0.08 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 8 | 3 | -274 | 0 | 0 | -140939 | 0.05 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 1 | 3 | -437 | 0 | 0 | -149688 | 0.44 | 0 | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 2 | 3 | -437 | 0 | 0 | -149688 | 0.31 | 0 | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 3 | 3 | -437 | 0 | 0 | -149688 | 0.39 | 0 | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 4 | 3 | -437 | 0 | 0 | -149688 | 0.27 | 0 | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 5 | 3 | -336 | 0 | 0 | -149688 | 0.37 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 6 | 3 | -336 | 0 | 0 | -149688 | 0.23 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 7 | 3 | -336 | 0 | 0 | -149688 | 0.31 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 8 | 3 | -336 | 0 | 0 | -149688 | 0.19 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |

| Dati sezione | | | | | | Pressoflessione | | | | Taglio | | | | | | Ver |
|--------------|-------|-----|------|---------|-----|-----------------|----------|-------|-----|--------|-------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 0.4 | STR 1 | 3 | -437 | 0 | 0 | -149688 | 0.44 | 0 | | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 2 | 3 | -437 | 0 | 0 | -149688 | 0.31 | 0 | | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 3 | 3 | -437 | 0 | 0 | -149688 | 0.39 | 0 | | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 4 | 3 | -437 | 0 | 0 | -149688 | 0.27 | 0 | | 0 | 5156 | 30630 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 5 | 3 | -336 | 0 | 0 | -149688 | 0.37 | 0 | | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 6 | 3 | -336 | 0 | 0 | -149688 | 0.23 | 0 | | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 7 | 3 | -336 | 0 | 0 | -149688 | 0.31 | 0 | | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 8 | 3 | -336 | 0 | 0 | -149688 | 0.19 | 0 | | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 1 | 3 | -519 | 0 | 0 | -188573 | 0.42 | 0 | | 0 | 5169 | 30644 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 2 | 3 | -519 | 0 | 0 | -188573 | 0.78 | 0 | | 0 | 5169 | 30644 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 3 | 3 | -519 | 0 | 0 | -188573 | 0.96 | 0 | | 0 | 5169 | 30644 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 4 | 3 | -519 | 0 | 0 | -188573 | 0.67 | 0 | | 0 | 5169 | 30644 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 5 | 3 | -399 | 0 | 0 | -188573 | 0.93 | 0 | | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 6 | 3 | -399 | 0 | 0 | -188573 | 0.57 | 0 | | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 7 | 3 | -399 | 0 | 0 | -188573 | 0.77 | 0 | | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 8 | 3 | -399 | 0 | 0 | -188573 | 0.47 | 0 | | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 1 | 3 | -519 | 0 | 14 | -188573 | 0.42 | 0 | 14 | 5169 | 30644 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 2 | 3 | -519 | 0 | 0 | -188573 | 0.78 | 0 | 0 | 5169 | 30644 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 3 | 3 | -519 | 0 | 2 | -188573 | 0.96 | 0 | 2 | 5169 | 30644 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 4 | 3 | -519 | 0 | 0 | -188573 | 0.67 | 0 | 0 | 5169 | 30644 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 5 | 3 | -399 | 0 | 1 | -188573 | 0.93 | 0 | 1 | 5151 | 30624 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 6 | 3 | -399 | 0 | 0 | -188573 | 0.57 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 7 | 3 | -399 | 0 | 0 | -188573 | 0.77 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok | |
| 0.6 | STR 8 | 3 | -399 | 0 | 0 | -188573 | 0.47 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 1 | 3 | -601 | -2.88 | 14 | -227457 | -1091.29 | 0 | 14 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 2 | 3 | -601 | 0 | 0 | -227457 | 1.49 | 0 | 0 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 3 | 3 | -601 | -0.48 | 2 | -227457 | -180.19 | 0 | 2 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 4 | 3 | -601 | 0 | 0 | -227457 | 1.28 | 0 | 0 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 5 | 3 | -462 | -0.14 | 1 | -227457 | -68.52 | 0 | 1 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 6 | 3 | -462 | 0 | 0 | -227457 | 1.1 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 7 | 3 | -462 | 0 | 0 | -227457 | 1.47 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 8 | 3 | -462 | 0 | 0 | -227457 | 0.9 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 1 | 3 | -601 | -2.88 | 56 | -227457 | -1091.29 | 0 | 56 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 2 | 3 | -601 | 0 | 4 | -227457 | 1.49 | 0 | 4 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 3 | 3 | -601 | -0.48 | 28 | -227457 | -180.19 | 0 | 28 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 4 | 3 | -601 | 0 | 0 | -227457 | 1.28 | 0 | 0 | 5181 | 30658 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 5 | 3 | -462 | -0.14 | 17 | -227457 | -68.52 | 0 | 17 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 6 | 3 | -462 | 0 | 0 | -227457 | 1.1 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 7 | 3 | -462 | 0 | 2 | -227457 | 1.47 | 0 | 2 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 0.8 | STR 8 | 3 | -462 | 0 | 0 | -227457 | 0.9 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 1 | 3 | -682 | -14.13 | 56 | -230543 | -4773.81 | 0 | 56 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 2 | 3 | -682 | -0.7 | 4 | -235351 | -241.65 | 0 | 4 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 3 | 3 | -682 | -5.99 | 28 | -235351 | -2066.01 | 0 | 28 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 4 | 3 | -682 | 0.01 | 0 | -235351 | 1.86 | 0 | 0 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 5 | 3 | -525 | -3.49 | 17 | -235351 | -1562.75 | 0 | 17 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 6 | 3 | -525 | 0 | 0 | -235351 | 1.61 | 0 | 0 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 7 | 3 | -525 | -0.46 | 2 | -235351 | -207.35 | 0 | 2 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 8 | 3 | -525 | 0 | 0 | -235351 | 1.31 | 0 | 0 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 1 | 3 | -682 | -14.13 | 125 | -230543 | -4773.81 | 0 | 125 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 2 | 3 | -682 | -0.7 | 31 | -235351 | -241.65 | 0 | 31 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 3 | 3 | -682 | -5.99 | 80 | -235351 | -2066.01 | 0 | 80 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 4 | 3 | -682 | 0.01 | 11 | -235351 | 1.86 | 0 | 11 | 5193 | 30673 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 5 | 3 | -525 | -3.49 | 54 | -235351 | -1562.75 | 0 | 54 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 6 | 3 | -525 | 0 | 1 | -235351 | 1.61 | 0 | 1 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 7 | 3 | -525 | -0.46 | 23 | -235351 | -207.35 | 0 | 23 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1 | STR 8 | 3 | -525 | 0 | 0 | -235351 | 1.31 | 0 | 0 | 5170 | 30645 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 1 | 3 | -764 | -39.22 | 125 | -183777 | -9434.43 | 0 | 125 | 5205 | 30687 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 2 | 3 | -764 | -6.93 | 31 | -235351 | -2134.45 | 0 | 31 | 5205 | 30687 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 3 | 3 | -764 | -22.02 | 80 | -217617 | -6272.25 | 0 | 80 | 5205 | 30687 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 4 | 3 | -764 | -2.21 | 11 | -235351 | -682.27 | 0 | 11 | 5205 | 30687 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 5 | 3 | -588 | -14.25 | 54 | -224847 | -5452.83 | 0 | 54 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 6 | 3 | -588 | -0.17 | 1 | -235351 | -67.21 | 0 | 1 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 7 | 3 | -588 | -5.02 | 23 | -235351 | -2010.49 | 0 | 23 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 8 | 3 | -588 | 0 | 0 | -235351 | 1.72 | 0 | 0 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 1 | 3 | -764 | -39.22 | 222 | -183777 | -9434.43 | 0 | 222 | 5205 | 30687 | 35185 | 2.15 | 0.01 | ok | |
| 1.2 | STR 2 | 3 | -764 | -6.93 | 86 | -235351 | -2134.45 | 0 | 86 | 5205 | 30687 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 3 | 3 | -764 | -22.02 | 160 | -217617 | -6272.25 | 0 | 160 | 5205 | 30687 | 35185 | 2.15 | 0.01 | ok | |
| 1.2 | STR 4 | 3 | -764 | -2.21 | 49 | -235351 | -682.27 | 0 | 49 | 5205 | 30687 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 5 | 3 | -588 | -14.25 | 112 | -224847 | -5452.83 | 0 | 112 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 6 | 3 | -588 | -0.17 | 17 | -235351 | -67.21 | 0 | 17 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 7 | 3 | -588 | -5.02 | 64 | -235351 | -2010.49 | 0 | 64 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.2 | STR 8 | 3 | -588 | 0 | 3 | -235351 | 1.72 | 0 | 3 | 5179 | 30656 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 1 | 3 | -846 | -83.64 | 222 | -130113 | - | 0.01 | 222 | 5218 | 30701 | 35185 | 2.15 | 0.01 | ok | |
| 1.4 | STR 2 | 3 | -846 | -24.16 | 86 | -218038 | -6229.64 | 0 | 86 | 5218 | 30701 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 3 | 3 | -846 | -54.05 | 160 | -167181 | - | 0.01 | 160 | 5218 | 30701 | 35185 | 2.15 | 0.01 | ok | |
| 1.4 | STR 4 | 3 | -846 | -12.11 | 49 | -235351 | -3370.59 | 0 | 49 | 5218 | 30701 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 5 | 3 | -651 | -36.66 | 112 | -176806 | -9963.02 | 0 | 112 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 6 | 3 | -651 | -3.66 | 17 | -235351 | -1322.42 | 0 | 17 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 7 | 3 | -651 | -17.89 | 64 | -219773 | -6043.05 | 0 | 64 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 8 | 3 | -651 | -0.51 | 3 | -235351 | -186.29 | 0 | 3 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 1 | 3 | -846 | -83.64 | 346 | -130113 | - | 0.01 | 346 | 5218 | 30701 | 35185 | 2.15 | 0.01 | ok | |
| 1.4 | STR 2 | 3 | -846 | -24.16 | 169 | -218038 | -6229.64 | 0 | 169 | 5218 | 30701 | 35185 | 2.15 | 0.01 | ok | |
| 1.4 | STR 3 | 3 | -846 | -54.05 | 268 | -167181 | - | 0.01 | 268 | 5218 | 30701 | 35185 | 2.15 | 0.01 | ok | |
| 1.4 | STR 4 | 3 | -846 | -12.11 | 115 | -235351 | -3370.59 | 0 | 115 | 5218 | 30701 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 5 | 3 | -651 | -36.66 | 191 | -176806 | -9963.02 | 0 | 191 | 5188 | 30667 | 35185 | 2.15 | 0.01 | ok | |
| 1.4 | STR 6 | 3 | -651 | -3.66 | 55 | -235351 | -1322.42 | 0 | 55 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 7 | 3 | -651 | -17.89 | 127 | -219773 | -6043.05 | 0 | 127 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.4 | STR 8 | 3 | -651 | -0.51 | 24 | -235351 | -186.29 | 0 | 24 | 5188 | 30667 | 35185 | 2.15 | 0 | ok | |
| 1.6 | STR 1 | 3 | -927 | -152.87 | 346 | -87862 | - | 0.01 | 346 | 5230 | 30715 | 35185 | 2.15 | 0.01 | ok | |
| 1.6 | STR 2 | 3 | -927 | -57.88 | 169 | -169001 | - | 0.01 | 169 | 5230 | 30715 | 35185 | 2.15 | 0.01 | ok | |
| 1.6 | STR 3 | 3 | -927 | -107.56 | 268 | -116258 | - | 0.01 | 268 | 5230 | 30715 | 35185 | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|---------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 1.6 | STR 2 | 3 | -927 | -57.88 | 278 | -169001 | - | 0.01 | 278 | 5230 | 30715 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10548.37 | - | | | | | | | |
| 1.6 | STR 3 | 3 | -927 | -107.56 | 402 | -116258 | - | 0.01 | 402 | 5230 | 30715 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13483.91 | - | | | | | | | |
| 1.6 | STR 4 | 3 | -927 | -35.17 | 208 | -203323 | -7710.09 | 0 | 208 | 5230 | 30715 | 35185 | 2.15 | 0.01 | ok |
| 1.6 | STR 5 | 3 | -713 | -74.92 | 292 | -124787 | - | 0.01 | 292 | 5198 | 30678 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13105.08 | - | | | | | | | |
| 1.6 | STR 6 | 3 | -713 | -14.68 | 114 | -230765 | -4747.28 | 0 | 114 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 7 | 3 | -713 | -43.28 | 211 | -171175 | -10385.3 | 0 | 211 | 5198 | 30678 | 35185 | 2.15 | 0.01 | ok |
| 1.6 | STR 8 | 3 | -713 | -5.24 | 66 | -235351 | -1728.09 | 0 | 66 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.8 | STR 1 | 3 | -1009 | -252.4 | 498 | -58519 | - | 0.02 | 498 | 5242 | 30729 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14636.95 | - | | | | | | | |
| 1.8 | STR 2 | 3 | -1009 | -113.57 | 278 | -118799 | - | 0.01 | 278 | 5242 | 30729 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13371.08 | - | | | | | | | |
| 1.8 | STR 3 | 3 | -1009 | -188.03 | 402 | -79098 | -14739.3 | 0.01 | 402 | 5242 | 30729 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | STR 4 | 3 | -1009 | -76.86 | 208 | -152708 | - | 0.01 | 208 | 5242 | 30729 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11631.95 | - | | | | | | | |
| 1.8 | STR 5 | 3 | -776 | -133.25 | 292 | -84933 | - | 0.01 | 292 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14580.21 | - | | | | | | | |
| 1.8 | STR 6 | 3 | -776 | -37.45 | 114 | -188066 | -9072.43 | 0 | 114 | 5207 | 30689 | 35185 | 2.15 | 0 | ok |
| 1.8 | STR 7 | 3 | -776 | -85.42 | 211 | -120728 | - | 0.01 | 211 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13285.36 | - | | | | | | | |
| 1.8 | STR 8 | 3 | -776 | -18.38 | 66 | -225744 | -5345.89 | 0 | 66 | 5207 | 30689 | 35185 | 2.15 | 0 | ok |
| 1.8 | STR 1 | 3 | -1009 | -252.4 | 676 | -58519 | - | 0.02 | 676 | 5242 | 30729 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14636.95 | - | | | | | | | |
| 1.8 | STR 2 | 3 | -1009 | -113.57 | 416 | -118799 | - | 0.01 | 416 | 5242 | 30729 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13371.08 | - | | | | | | | |
| 1.8 | STR 3 | 3 | -1009 | -188.03 | 565 | -79098 | -14739.3 | 0.01 | 565 | 5242 | 30729 | 35185 | 2.15 | 0.02 | ok |
| 1.8 | STR 4 | 3 | -1009 | -76.86 | 329 | -152708 | - | 0.01 | 329 | 5242 | 30729 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11631.95 | - | | | | | | | |
| 1.8 | STR 5 | 3 | -776 | -133.25 | 413 | -84933 | - | 0.01 | 413 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14580.21 | - | | | | | | | |
| 1.8 | STR 6 | 3 | -776 | -37.45 | 194 | -188066 | -9072.43 | 0 | 194 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | STR 7 | 3 | -776 | -85.42 | 315 | -120728 | - | 0.01 | 315 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13285.36 | - | | | | | | | |
| 1.8 | STR 8 | 3 | -776 | -18.38 | 129 | -225744 | -5345.89 | 0 | 129 | 5207 | 30689 | 35185 | 2.15 | 0 | ok |
| 2 | STR 1 | 3 | -1091 | -387.69 | 676 | -39693 | - | 0.03 | 676 | 5255 | 30743 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14108.04 | - | | | | | | | |
| 2 | STR 2 | 3 | -1091 | -196.72 | 416 | -81479 | - | 0.01 | 416 | 5255 | 30743 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14694.51 | - | | | | | | | |
| 2 | STR 3 | 3 | -1091 | -300.95 | 565 | -52894 | -14593.8 | 0.02 | 565 | 5255 | 30743 | 35185 | 2.15 | 0.02 | ok |
| 2 | STR 4 | 3 | -1091 | -142.68 | 329 | -106106 | - | 0.01 | 329 | 5255 | 30743 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13879.47 | - | | | | | | | |
| 2 | STR 5 | 3 | -839 | -215.87 | 413 | -56851 | - | 0.01 | 413 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14626.61 | - | | | | | | | |
| 2 | STR 6 | 3 | -839 | -76.18 | 194 | -137903 | - | 0.01 | 194 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12520.74 | - | | | | | | | |
| 2 | STR 7 | 3 | -839 | -148.51 | 315 | -82777 | - | 0.01 | 315 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14651.57 | - | | | | | | | |
| 2 | STR 8 | 3 | -839 | -44.16 | 129 | -181953 | -9576.92 | 0 | 129 | 5217 | 30700 | 35185 | 2.15 | 0 | ok |
| 2 | STR 1 | 3 | -1091 | -387.69 | 883 | -39693 | - | 0.03 | 883 | 5255 | 30743 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14108.04 | - | | | | | | | |
| 2 | STR 2 | 3 | -1091 | -196.72 | 580 | -81479 | - | 0.01 | 580 | 5255 | 30743 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14694.51 | - | | | | | | | |
| 2 | STR 3 | 3 | -1091 | -300.95 | 754 | -52894 | -14593.8 | 0.02 | 754 | 5255 | 30743 | 35185 | 2.15 | 0.02 | ok |
| 2 | STR 4 | 3 | -1091 | -142.68 | 477 | -106106 | - | 0.01 | 477 | 5255 | 30743 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13879.47 | - | | | | | | | |
| 2 | STR 5 | 3 | -839 | -215.87 | 556 | -56851 | - | 0.01 | 556 | 5217 | 30700 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14626.61 | - | | | | | | | |
| 2 | STR 6 | 3 | -839 | -76.18 | 295 | -137903 | - | 0.01 | 295 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12520.74 | - | | | | | | | |
| 2 | STR 7 | 3 | -839 | -148.51 | 441 | -82777 | - | 0.01 | 441 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14651.57 | - | | | | | | | |
| 2 | STR 8 | 3 | -839 | -44.16 | 213 | -181953 | -9576.92 | 0 | 213 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | STR 1 | 3 | -1172 | -564.24 | 883 | -28338 | - | 0.04 | 883 | 5267 | 30757 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13637.74 | - | | | | | | | |
| 2.2 | STR 2 | 3 | -1172 | -312.79 | 580 | -54778 | - | 0.02 | 580 | 5267 | 30757 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14613.77 | - | | | | | | | |
| 2.2 | STR 3 | 3 | -1172 | -451.79 | 754 | -36241 | - | 0.03 | 754 | 5267 | 30757 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13965.05 | - | | | | | | | |
| 2.2 | STR 4 | 3 | -1172 | -238.1 | 477 | -72502 | -14723.6 | 0.02 | 477 | 5267 | 30757 | 35185 | 2.15 | 0.02 | ok |
| 2.2 | STR 5 | 3 | -902 | -327 | 556 | -38810 | - | 0.02 | 556 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14071.48 | - | | | | | | | |
| 2.2 | STR 6 | 3 | -902 | -135.1 | 295 | -95089 | - | 0.01 | 295 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14244.08 | - | | | | | | | |
| 2.2 | STR 7 | 3 | -902 | -236.78 | 441 | -55684 | - | 0.02 | 441 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14619.38 | - | | | | | | | |
| 2.2 | STR 8 | 3 | -902 | -86.8 | 213 | -132576 | - | 0.01 | 213 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12759.11 | - | | | | | | | |
| 2.2 | STR 1 | 3 | -1172 | -564.24 | 1116 | -28338 | - | 0.04 | 1116 | 5267 | 30757 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13637.74 | - | | | | | | | |
| 2.2 | STR 2 | 3 | -1172 | -312.79 | 772 | -54778 | - | 0.02 | 772 | 5267 | 30757 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14613.77 | - | | | | | | | |
| 2.2 | STR 3 | 3 | -1172 | -451.79 | 971 | -36241 | - | 0.03 | 971 | 5267 | 30757 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13965.05 | - | | | | | | | |
| 2.2 | STR 4 | 3 | -1172 | -238.1 | 653 | -72502 | -14723.6 | 0.02 | 653 | 5267 | 30757 | 35185 | 2.15 | 0.02 | ok |
| 2.2 | STR 5 | 3 | -902 | -327 | 719 | -38810 | - | 0.02 | 719 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14071.48 | - | | | | | | | |
| 2.2 | STR 6 | 3 | -902 | -135.1 | 417 | -95089 | - | 0.01 | 417 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14244.08 | - | | | | | | | |
| 2.2 | STR 7 | 3 | -902 | -236.78 | 588 | -55684 | - | 0.02 | 588 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14619.38 | - | | | | | | | |
| 2.2 | STR 8 | 3 | -902 | -86.8 | 319 | -132576 | - | 0.01 | 319 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12759.11 | - | | | | | | | |
| 2.4 | STR 1 | 3 | -1254 | -787.52 | 1116 | -21044 | - | 0.06 | 1116 | 5279 | 30771 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13214.45 | - | | | | | | | |
| 2.4 | STR 2 | 3 | -1254 | -467.27 | 772 | -37636 | - | 0.03 | 772 | 5279 | 30771 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14022.85 | - | | | | | | | |
| 2.4 | STR 3 | 3 | -1254 | -646.04 | 971 | -26284 | - | 0.05 | 971 | 5279 | 30771 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13539.67 | - | | | | | | | |
| 2.4 | STR 4 | 3 | -1254 | -368.6 | 653 | -49363 | - | 0.03 | 653 | 5279 | 30771 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14508.58 | - | | | | | | | |
| 2.4 | STR 5 | 3 | -965 | -470.84 | 719 | -27906 | - | 0.03 | 719 | 5236 | 30721 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13619.83 | - | | | | | | | |
| 2.4 | STR 6 | 3 | -965 | -218.42 | 417 | -64822 | - | 0.01 | 417 | 5236 | 30721 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14676.01 | - | | | | | | | |
| 2.4 | STR 7 | 3 | -965 | -354.45 | 588 | -38234 | -14047.6 | 0.03 | 588 | 5236 | 30721 | 351 | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 2.4 | STR 8 | 3 | -965 | -150.5 | 319 | -91967 | - | 0.01 | 319 | 5236 | 30721 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14347.43 | - | | | | | | | |
| 2.4 | STR 1 | 3 | -1254 | -787.52 | 1378 | -21044 | - | 0.06 | 1378 | 5279 | 30771 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13214.45 | - | | | | | | | |
| 2.4 | STR 2 | 3 | -1254 | -467.27 | 992 | -37636 | - | 0.03 | 992 | 5279 | 30771 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14022.85 | - | | | | | | | |
| 2.4 | STR 3 | 3 | -1254 | -646.04 | 1216 | -26284 | - | 0.05 | 1216 | 5279 | 30771 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13539.67 | - | | | | | | | |
| 2.4 | STR 4 | 3 | -1254 | -368.6 | 855 | -49363 | - | 0.03 | 855 | 5279 | 30771 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14508.58 | - | | | | | | | |
| 2.4 | STR 5 | 3 | -965 | -470.84 | 904 | -27906 | - | 0.03 | 904 | 5236 | 30721 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13619.83 | - | | | | | | | |
| 2.4 | STR 6 | 3 | -965 | -218.42 | 560 | -64822 | - | 0.01 | 560 | 5236 | 30721 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14676.01 | - | | | | | | | |
| 2.4 | STR 7 | 3 | -965 | -354.45 | 756 | -38234 | -14047.6 | 0.03 | 756 | 5236 | 30721 | 35185 | 2.15 | 0.02 | ok |
| 2.4 | STR 8 | 3 | -965 | -150.5 | 445 | -91967 | - | 0.01 | 445 | 5236 | 30721 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14347.43 | - | | | | | | | |
| 2.6 | STR 1 | 3 | -1336 | -1063.02 | 1378 | -16187 | - | 0.08 | 1378 | 5291 | 30785 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12881.08 | - | | | | | | | |
| 2.6 | STR 2 | 3 | -1336 | -665.65 | 992 | -27273 | - | 0.05 | 992 | 5291 | 30785 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13590.36 | - | | | | | | | |
| 2.6 | STR 3 | 3 | -1336 | -889.18 | 1216 | -19715 | - | 0.07 | 1216 | 5291 | 30785 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13123.23 | - | | | | | | | |
| 2.6 | STR 4 | 3 | -1336 | -539.68 | 855 | -34375 | - | 0.04 | 855 | 5291 | 30785 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13887.77 | - | | | | | | | |
| 2.6 | STR 5 | 3 | -1028 | -651.62 | 904 | -20813 | - | 0.05 | 904 | 5245 | 30732 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13198.57 | - | | | | | | | |
| 2.6 | STR 6 | 3 | -1028 | -330.35 | 560 | -44502 | - | 0.02 | 560 | 5245 | 30732 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14307.24 | - | | | | | | | |
| 2.6 | STR 7 | 3 | -1028 | -505.72 | 756 | -27652 | - | 0.04 | 756 | 5245 | 30732 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13609.31 | - | | | | | | | |
| 2.6 | STR 8 | 3 | -1028 | -239.49 | 445 | -62917 | -14664.2 | 0.02 | 445 | 5245 | 30732 | 35185 | 2.15 | 0.01 | ok |
| 2.6 | STR 1 | 3 | -1336 | -1063.02 | 1666 | -16187 | - | 0.08 | 1666 | 5291 | 30785 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12881.08 | - | | | | | | | |
| 2.6 | STR 2 | 3 | -1336 | -665.65 | 1239 | -27273 | - | 0.05 | 1239 | 5291 | 30785 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13590.36 | - | | | | | | | |
| 2.6 | STR 3 | 3 | -1336 | -889.18 | 1488 | -19715 | - | 0.07 | 1488 | 5291 | 30785 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 13123.23 | - | | | | | | | |
| 2.6 | STR 4 | 3 | -1336 | -539.68 | 1086 | -34375 | - | 0.04 | 1086 | 5291 | 30785 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13887.77 | - | | | | | | | |
| 2.6 | STR 5 | 3 | -1028 | -651.62 | 1110 | -20813 | - | 0.05 | 1110 | 5245 | 30732 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13198.57 | - | | | | | | | |
| 2.6 | STR 6 | 3 | -1028 | -330.35 | 724 | -44502 | - | 0.02 | 724 | 5245 | 30732 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14307.24 | - | | | | | | | |
| 2.6 | STR 7 | 3 | -1028 | -505.72 | 945 | -27652 | - | 0.04 | 945 | 5245 | 30732 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13609.31 | - | | | | | | | |
| 2.6 | STR 8 | 3 | -1028 | -239.49 | 600 | -62917 | -14664.2 | 0.02 | 600 | 5245 | 30732 | 35185 | 2.15 | 0.02 | ok |
| 2.8 | STR 1 | 3 | -1417 | -1396.22 | 1666 | -12844 | - | 0.11 | 1666 | 5304 | 30799 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12651.71 | - | | | | | | | |
| 2.8 | STR 2 | 3 | -1417 | -913.41 | 1239 | -20443 | - | 0.07 | 1239 | 5304 | 30799 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13173.19 | - | | | | | | | |
| 2.8 | STR 3 | 3 | -1417 | -1186.68 | 1488 | -15315 | - | 0.09 | 1488 | 5304 | 30799 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12821.26 | - | | | | | | | |
| 2.8 | STR 4 | 3 | -1417 | -756.79 | 1086 | -25262 | - | 0.06 | 1086 | 5304 | 30799 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13487.27 | - | | | | | | | |
| 2.8 | STR 5 | 3 | -1090 | -873.56 | 1110 | -16068 | - | 0.07 | 1110 | 5254 | 30743 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12872.94 | - | | | | | | | |
| 2.8 | STR 6 | 3 | -1090 | -475.11 | 724 | -31609 | - | 0.03 | 724 | 5254 | 30743 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13773.21 | - | | | | | | | |
| 2.8 | STR 7 | 3 | -1090 | -694.82 | 945 | -20700 | - | 0.05 | 945 | 5254 | 30743 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13190.86 | - | | | | | | | |
| 2.8 | STR 8 | 3 | -1090 | -359.51 | 600 | -43234 | -14254.7 | 0.03 | 600 | 5254 | 30743 | 35185 | 2.15 | 0.02 | ok |
| 2.8 | STR 1 | 3 | -1417 | -1396.22 | 1982 | -12844 | - | 0.11 | 1982 | 5304 | 30799 | 35185 | 2.15 | 0.06 | ok |
| | | | | | | | 12651.71 | - | | | | | | | |
| 2.8 | STR 2 | 3 | -1417 | -913.41 | 1513 | -20443 | - | 0.07 | 1513 | 5304 | 30799 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 13173.19 | - | | | | | | | |
| 2.8 | STR 3 | 3 | -1417 | -1186.68 | 1787 | -15315 | - | 0.09 | 1787 | 5304 | 30799 | 35185 | 2.15 | 0.06 | ok |
| | | | | | | | 12821.26 | - | | | | | | | |
| 2.8 | STR 4 | 3 | -1417 | -756.79 | 1348 | -25262 | - | 0.06 | 1348 | 5304 | 30799 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13487.27 | - | | | | | | | |
| 2.8 | STR 5 | 3 | -1090 | -873.56 | 1337 | -16068 | - | 0.07 | 1337 | 5254 | 30743 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12872.94 | - | | | | | | | |
| 2.8 | STR 6 | 3 | -1090 | -475.11 | 930 | -31609 | - | 0.03 | 930 | 5254 | 30743 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13773.21 | - | | | | | | | |
| 2.8 | STR 7 | 3 | -1090 | -694.82 | 1157 | -20700 | - | 0.05 | 1157 | 5254 | 30743 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13190.86 | - | | | | | | | |
| 2.8 | STR 8 | 3 | -1090 | -359.51 | 800 | -43234 | -14254.7 | 0.03 | 800 | 5254 | 30743 | 35185 | 2.15 | 0.03 | ok |
| 3 | STR 1 | 3 | -1499 | -1792.6 | 1982 | -10443 | -12486.9 | 0.14 | 1982 | 5316 | 30813 | 35185 | 2.15 | 0.06 | ok |
| 3 | STR 2 | 3 | -1499 | -1216.03 | 1513 | -15852 | - | 0.09 | 1513 | 5316 | 30813 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12858.12 | - | | | | | | | |
| 3 | STR 3 | 3 | -1499 | -1544.04 | 1787 | -12244 | - | 0.12 | 1787 | 5316 | 30813 | 35185 | 2.15 | 0.06 | ok |
| | | | | | | | 12610.51 | - | | | | | | | |
| 3 | STR 4 | 3 | -1499 | -1026.41 | 1348 | -19107 | -13081.5 | 0.08 | 1348 | 5316 | 30813 | 35185 | 2.15 | 0.04 | ok |
| 3 | STR 5 | 3 | -1153 | -1140.87 | 1337 | -12784 | - | 0.09 | 1337 | 5264 | 30754 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12647.59 | - | | | | | | | |
| 3 | STR 6 | 3 | -1153 | -661.18 | 930 | -23321 | -13370.7 | 0.05 | 930 | 5264 | 30754 | 35185 | 2.15 | 0.03 | ok |
| 3 | STR 7 | 3 | -1153 | -926.21 | 1157 | -16024 | - | 0.07 | 1157 | 5264 | 30754 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12869.94 | - | | | | | | | |
| 3 | STR 8 | 3 | -1153 | -519.44 | 800 | -30473 | - | 0.04 | 800 | 5264 | 30754 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13726.17 | - | | | | | | | |
| 3 | STR 1 | 3 | -1499 | -1792.6 | 1193 | -10443 | -12486.9 | 0.14 | 1193 | 5316 | 30813 | 35185 | 2.15 | 0.04 | ok |
| 3 | STR 2 | 3 | -1499 | -1216.03 | 957 | -15852 | - | 0.09 | 957 | 5316 | 30813 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12858.12 | - | | | | | | | |
| 3 | STR 3 | 3 | -1499 | -1544.04 | 1097 | -12244 | - | 0.12 | 1097 | 5316 | 30813 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12610.51 | - | | | | | | | |
| 3 | STR 4 | 3 | -1499 | -1026.41 | 870 | -19107 | -13081.5 | 0.08 | 870 | 5316 | 30813 | 35185 | 2.15 | 0.03 | ok |
| 3 | STR 5 | 3 | -1153 | -1140.87 | 824 | -12784 | - | 0.09 | 824 | 5264 | 30754 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12647.59 | - | | | | | | | |
| 3 | STR 6 | 3 | -1153 | -661.18 | 614 | -23321 | -13370.7 | 0.05 | 614 | 5264 | 30754 | 35185 | 2.15 | 0.02 | ok |
| 3 | STR 7 | 3 | -1153 | -926.21 | 733 | -16024 | - | 0.07 | 733 | 5264 | 30754 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12869.94 | - | | | | | | | |
| 3 | STR 8 | 3 | -1153 | -519.44 | 542 | -30473 | - | 0.04 | 542 | 5264 | 30754 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13726.17 | - | | | | | | | |
| 3.2 | STR 1 | 3 | -1581 | -2031.12 | 1193 | -9678 | - | 0.16 | 1193 | 5328 | 30827 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12434.39 | - | | | | | | | |
| 3.2 | STR 2 | 3 | -1581 | -1407.37 | 957 | -14325 | - | 0.11 | 957 | 5328 | 30827 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12753.35 | - | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | | Ver |
|--------------|-------|-----|-------|----------|------|-----------------|---------------|-------|--------|------|-------|-------|------|--------|----|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSst | | |
| 3.2 | STR 3 | 3 | -1581 | -1763.34 | 1097 | -11244 | - 12541.87 | 0.14 | 1097 | 5328 | 30827 | 35185 | 2.15 | 0.04 | ok | |
| 3.2 | STR 4 | 3 | -1581 | -1200.43 | 870 | -17040 | - 12939.67 | 0.09 | 870 | 5328 | 30827 | 35185 | 2.15 | 0.03 | ok | |
| 3.2 | STR 5 | 3 | -1216 | -1305.76 | 824 | -11710 | - 12573.85 | 0.1 | 824 | 5273 | 30765 | 35185 | 2.15 | 0.03 | ok | |
| 3.2 | STR 6 | 3 | -1216 | -783.94 | 614 | -20433 | - 13172.51 | 0.06 | 614 | 5273 | 30765 | 35185 | 2.15 | 0.02 | ok | |
| 3.2 | STR 7 | 3 | -1216 | -1072.71 | 733 | -14469 | - 12763.17 | 0.08 | 733 | 5273 | 30765 | 35185 | 2.15 | 0.02 | ok | |
| 3.2 | STR 8 | 3 | -1216 | -627.88 | 542 | -26216 | - 13536.19 | 0.05 | 542 | 5273 | 30765 | 35185 | 2.15 | 0.02 | ok | |
| 3.2 | STR 1 | 3 | -1581 | -2031.12 | 422 | -9678 | - 12434.39 | 0.16 | 422 | 5328 | 30827 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 2 | 3 | -1581 | -1407.37 | 387 | -14325 | - 12753.35 | 0.11 | 387 | 5328 | 30827 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 3 | 3 | -1581 | -1763.34 | 411 | -11244 | - 12541.87 | 0.14 | 411 | 5328 | 30827 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 4 | 3 | -1581 | -1200.43 | 369 | -17040 | - 12939.67 | 0.09 | 369 | 5328 | 30827 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 5 | 3 | -1216 | -1305.76 | 313 | -11710 | - 12573.85 | 0.1 | 313 | 5273 | 30765 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 6 | 3 | -1216 | -783.94 | 274 | -20433 | - 13172.51 | 0.06 | 274 | 5273 | 30765 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 7 | 3 | -1216 | -1072.71 | 297 | -14469 | - 12763.17 | 0.08 | 297 | 5273 | 30765 | 35185 | 2.15 | 0.01 | ok | |
| 3.2 | STR 8 | 3 | -1216 | -627.88 | 256 | -26216 | - 13536.19 | 0.05 | 256 | 5273 | 30765 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 1 | 3 | -1663 | -2115.48 | 422 | -9777 | - 12441.23 | 0.17 | 422 | 5340 | 30841 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 2 | 3 | -1663 | -1484.74 | 387 | -14277 | - 12750.01 | 0.12 | 387 | 5340 | 30841 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 3 | 3 | -1663 | -1845.45 | 411 | -11302 | - 12545.88 | 0.15 | 411 | 5340 | 30841 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 4 | 3 | -1663 | -1274.27 | 369 | -16867 | - 12927.76 | 0.1 | 369 | 5340 | 30841 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 5 | 3 | -1279 | -1368.37 | 313 | -11754 | - 12576.89 | 0.11 | 313 | 5283 | 30775 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 6 | 3 | -1279 | -838.77 | 274 | -20043 | - 13145.76 | 0.06 | 274 | 5283 | 30775 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 7 | 3 | -1279 | -1132.15 | 297 | -14413 | - 12759.35 | 0.09 | 297 | 5283 | 30775 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 8 | 3 | -1279 | -679.14 | 256 | -25412 | - 13494.96 | 0.05 | 256 | 5283 | 30775 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 1 | 3 | -1663 | -2115.48 | -177 | -9777 | - 12441.23 | 0.17 | 177 | 5340 | 30841 | 35185 | 2.15 | 0.01 | ok | |
| 3.4 | STR 2 | 3 | -1663 | -1484.74 | -59 | -14277 | - 12750.01 | 0.12 | 59 | 5340 | 30841 | 35185 | 2.15 | 0 | ok | |
| 3.4 | STR 3 | 3 | -1663 | -1845.45 | -124 | -11302 | - 12545.88 | 0.15 | 124 | 5340 | 30841 | 35185 | 2.15 | 0 | ok | |
| 3.4 | STR 4 | 3 | -1663 | -1274.27 | -24 | -16867 | - 12927.76 | 0.1 | 24 | 5340 | 30841 | 35185 | 2.15 | 0 | ok | |
| 3.4 | STR 5 | 3 | -1279 | -1368.37 | -86 | -11754 | - 12576.89 | 0.11 | 86 | 5283 | 30775 | 35185 | 2.15 | 0 | ok | |
| 3.4 | STR 6 | 3 | -1279 | -838.77 | 7 | -20043 | - 13145.76 | 0.06 | 7 | 5283 | 30775 | 35185 | 2.15 | 0 | ok | |
| 3.4 | STR 7 | 3 | -1279 | -1132.15 | -43 | -14413 | - 12759.35 | 0.09 | 43 | 5283 | 30775 | 35185 | 2.15 | 0 | ok | |
| 3.4 | STR 8 | 3 | -1279 | -679.14 | 30 | -25412 | - 13494.96 | 0.05 | 30 | 5283 | 30775 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 1 | 3 | -1744 | -2080.1 | -177 | -10472 | - 12488.91 | 0.17 | 177 | 5353 | 30856 | 35185 | 2.15 | 0.01 | ok | |
| 3.6 | STR 2 | 3 | -1744 | -1472.96 | -59 | -15171 | - 12811.36 | 0.11 | 59 | 5353 | 30856 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 3 | 3 | -1744 | -1820.71 | -124 | -12069 | - 12598.51 | 0.14 | 124 | 5353 | 30856 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 4 | 3 | -1744 | -1269.51 | -24 | -17855 | - 12995.59 | 0.1 | 24 | 5353 | 30856 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 5 | 3 | -1342 | -1351.27 | -86 | -12541 | - 12630.92 | 0.11 | 86 | 5292 | 30786 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 6 | 3 | -1342 | -840.11 | 7 | -21112 | - 13219.08 | 0.06 | 7 | 5292 | 30786 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 7 | 3 | -1342 | -1123.5 | -43 | -15311 | -12821 | 0.09 | 43 | 5292 | 30786 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 8 | 3 | -1342 | -685.15 | 30 | -26540 | - 13552.79 | 0.05 | 30 | 5292 | 30786 | 35185 | 2.15 | 0 | ok | |
| 3.6 | STR 1 | 3 | -1744 | -2080.1 | -621 | -10472 | - 12488.91 | 0.17 | 621 | 5353 | 30856 | 35185 | 2.15 | 0.02 | ok | |
| 3.6 | STR 2 | 3 | -1744 | -1472.96 | -393 | -15171 | - 12811.36 | 0.11 | 393 | 5353 | 30856 | 35185 | 2.15 | 0.01 | ok | |
| 3.6 | STR 3 | 3 | -1744 | -1820.71 | -522 | -12069 | - 12598.51 | 0.14 | 522 | 5353 | 30856 | 35185 | 2.15 | 0.02 | ok | |
| 3.6 | STR 4 | 3 | -1744 | -1269.51 | -320 | -17855 | - 12995.59 | 0.1 | 320 | 5353 | 30856 | 35185 | 2.15 | 0.01 | ok | |
| 3.6 | STR 5 | 3 | -1342 | -1351.27 | -383 | -12541 | - 12630.92 | 0.11 | 383 | 5292 | 30786 | 35185 | 2.15 | 0.01 | ok | |
| 3.6 | STR 6 | 3 | -1342 | -840.11 | -196 | -21112 | - 13219.08 | 0.06 | 196 | 5292 | 30786 | 35185 | 2.15 | 0.01 | ok | |
| 3.6 | STR 7 | 3 | -1342 | -1123.5 | -299 | -15311 | -12821 | 0.09 | 299 | 5292 | 30786 | 35185 | 2.15 | 0.01 | ok | |
| 3.6 | STR 8 | 3 | -1342 | -685.15 | -142 | -26540 | - 13552.79 | 0.05 | 142 | 5292 | 30786 | 35185 | 2.15 | 0 | ok | |
| 3.8 | STR 1 | 3 | -1826 | -1955.83 | -621 | -11741 | - 12575.95 | 0.16 | 621 | 5365 | 30870 | 35185 | 2.15 | 0.02 | ok | |
| 3.8 | STR 2 | 3 | -1826 | -1394.38 | -393 | -16935 | - 12932.42 | 0.11 | 393 | 5365 | 30870 | 35185 | 2.15 | 0.01 | ok | |
| 3.8 | STR 3 | 3 | -1826 | -1716.35 | -522 | -13508 | - 12697.23 | 0.14 | 522 | 5365 | 30870 | 35185 | 2.15 | 0.02 | ok | |
| 3.8 | STR 4 | 3 | -1826 | -1205.6 | -320 | -19894 | - 13135.51 | 0.09 | 320 | 5365 | 30870 | 35185 | 2.15 | 0.01 | ok | |
| 3.8 | STR 5 | 3 | -1405 | -1274.71 | -383 | -14030 | - 12733.07 | 0.1 | 383 | 5302 | 30797 | 35185 | 2.15 | 0.01 | ok | |
| 3.8 | STR 6 | 3 | -1405 | -801.01 | -196 | -23462 | - 13380.38 | 0.06 | 196 | 5302 | 30797 | 35185 | 2.15 | 0.01 | ok | |
| 3.8 | STR 7 | 3 | -1405 | -1063.79 | -299 | -17089 | -12943 | 0.08 | 299 | 5302 | 30797 | 35185 | 2.15 | 0.01 | ok | |
| 3.8 | STR 8 | 3 | -1405 | -656.76 | -142 | -29246 | - 13675.33 | 0.05 | 142 | 5302 | 30797 | 35185 | 2.15 | 0 | ok | |
| 3.8 | STR 1 | 3 | -1826 | -1955.83 | -932 | -11741 | - 12575.95 | 0.16 | 932 | 5365 | 30870 | 35185 | 2.15 | 0.03 | ok | |
| 3.8 | STR 2 | 3 | -1826 | -1394.38 | -629 | -16935 | - 12932.42 | 0.11 | 629 | 5365 | 30870 | 35185 | 2.15 | 0.02 | ok | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|-------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 3.8 | STR 3 | 3 | -1826 | -1716.35 | -801 | -13508 | - | 0.14 | 801 | 5365 | 30870 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12697.23 | - | | | | | | | |
| 3.8 | STR 4 | 3 | -1826 | -1205.6 | -530 | -19894 | - | 0.09 | 530 | 5365 | 30870 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13135.51 | - | | | | | | | |
| 3.8 | STR 5 | 3 | -1405 | -1274.71 | -592 | -14030 | - | 0.1 | 592 | 5302 | 30797 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12733.07 | - | | | | | | | |
| 3.8 | STR 6 | 3 | -1405 | -801.01 | -340 | -23462 | - | 0.06 | 340 | 5302 | 30797 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13380.38 | - | | | | | | | |
| 3.8 | STR 7 | 3 | -1405 | -1063.79 | -479 | -17089 | - | 0.08 | 479 | 5302 | 30797 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12943 | - | | | | | | | |
| 3.8 | STR 8 | 3 | -1405 | -656.76 | -266 | -29246 | - | 0.05 | 266 | 5302 | 30797 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13675.33 | - | | | | | | | |
| 4 | STR 1 | 3 | -1908 | -1769.46 | -932 | -13703 | - | 0.14 | 932 | 5377 | 30884 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12710.62 | - | | | | | | | |
| 4 | STR 2 | 3 | -1908 | -1268.53 | -629 | -19737 | - | 0.1 | 629 | 5377 | 30884 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13124.71 | - | | | | | | | |
| 4 | STR 3 | 3 | -1908 | -1556.09 | -801 | -15754 | - | 0.12 | 801 | 5377 | 30884 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12851.41 | - | | | | | | | |
| 4 | STR 4 | 3 | -1908 | -1099.62 | -530 | -23178 | - | 0.08 | 530 | 5377 | 30884 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13360.9 | - | | | | | | | |
| 4 | STR 5 | 3 | -1467 | -1156.36 | -592 | -16361 | - | 0.09 | 592 | 5311 | 30808 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12893.03 | - | | | | | | | |
| 4 | STR 6 | 3 | -1467 | -732.95 | -340 | -27201 | - | 0.05 | 340 | 5311 | 30808 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13586.68 | - | | | | | | | |
| 4 | STR 7 | 3 | -1467 | -967.95 | -479 | -19915 | - | 0.07 | 479 | 5311 | 30808 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13136.96 | - | | | | | | | |
| 4 | STR 8 | 3 | -1467 | -603.52 | -266 | -33698 | - | 0.04 | 266 | 5311 | 30808 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13859.72 | - | | | | | | | |
| 4 | STR 1 | 3 | -1908 | -1769.46 | -1129 | -13703 | - | 0.14 | 1129 | 5377 | 30884 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12710.62 | - | | | | | | | |
| 4 | STR 2 | 3 | -1908 | -1268.53 | -782 | -19737 | - | 0.1 | 782 | 5377 | 30884 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13124.71 | - | | | | | | | |
| 4 | STR 3 | 3 | -1908 | -1556.09 | -980 | -15754 | - | 0.12 | 980 | 5377 | 30884 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12851.41 | - | | | | | | | |
| 4 | STR 4 | 3 | -1908 | -1099.62 | -668 | -23178 | - | 0.08 | 668 | 5377 | 30884 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13360.9 | - | | | | | | | |
| 4 | STR 5 | 3 | -1467 | -1156.36 | -726 | -16361 | - | 0.09 | 726 | 5311 | 30808 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12893.03 | - | | | | | | | |
| 4 | STR 6 | 3 | -1467 | -732.95 | -436 | -27201 | - | 0.05 | 436 | 5311 | 30808 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13586.68 | - | | | | | | | |
| 4 | STR 7 | 3 | -1467 | -967.95 | -596 | -19915 | - | 0.07 | 596 | 5311 | 30808 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13136.96 | - | | | | | | | |
| 4 | STR 8 | 3 | -1467 | -603.52 | -349 | -33698 | - | 0.04 | 349 | 5311 | 30808 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13859.72 | - | | | | | | | |
| 4.2 | STR 1 | 3 | -1989 | -1543.68 | -1129 | -16639 | - | 0.12 | 1129 | 5390 | 30898 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12912.14 | - | | | | | | | |
| 4.2 | STR 2 | 3 | -1989 | -1112.03 | -782 | -24002 | - | 0.08 | 782 | 5390 | 30898 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13417.43 | - | | | | | | | |
| 4.2 | STR 3 | 3 | -1989 | -1360.05 | -980 | -19136 | - | 0.1 | 980 | 5390 | 30898 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13083.52 | - | | | | | | | |
| 4.2 | STR 4 | 3 | -1989 | -966.11 | -668 | -28057 | - | 0.07 | 668 | 5390 | 30898 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13626.07 | - | | | | | | | |
| 4.2 | STR 5 | 3 | -1530 | -1011.19 | -726 | -19876 | - | 0.08 | 726 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13134.26 | - | | | | | | | |
| 4.2 | STR 6 | 3 | -1530 | -645.74 | -436 | -32750 | - | 0.05 | 436 | 5321 | 30819 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13820.47 | - | | | | | | | |
| 4.2 | STR 7 | 3 | -1530 | -848.66 | -596 | -24219 | - | 0.06 | 596 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13432.37 | - | | | | | | | |
| 4.2 | STR 8 | 3 | -1530 | -533.65 | -349 | -40556 | - | 0.04 | 349 | 5321 | 30819 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14143.79 | - | | | | | | | |
| 4.2 | STR 1 | 3 | -1989 | -1543.68 | -1233 | -16639 | - | 0.12 | 1233 | 5390 | 30898 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12912.14 | - | | | | | | | |
| 4.2 | STR 2 | 3 | -1989 | -1112.03 | -867 | -24002 | - | 0.08 | 867 | 5390 | 30898 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13417.43 | - | | | | | | | |
| 4.2 | STR 3 | 3 | -1989 | -1360.05 | -1076 | -19136 | - | 0.1 | 1076 | 5390 | 30898 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13083.52 | - | | | | | | | |
| 4.2 | STR 4 | 3 | -1989 | -966.11 | -745 | -28057 | - | 0.07 | 745 | 5390 | 30898 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13626.07 | - | | | | | | | |
| 4.2 | STR 5 | 3 | -1530 | -1011.19 | -798 | -19876 | - | 0.08 | 798 | 5321 | 30819 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13134.26 | - | | | | | | | |
| 4.2 | STR 6 | 3 | -1530 | -645.74 | -491 | -32750 | - | 0.05 | 491 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13820.47 | - | | | | | | | |
| 4.2 | STR 7 | 3 | -1530 | -848.66 | -661 | -24219 | - | 0.06 | 661 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13432.37 | - | | | | | | | |
| 4.2 | STR 8 | 3 | -1530 | -533.65 | -398 | -40556 | - | 0.04 | 398 | 5321 | 30819 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14143.79 | - | | | | | | | |
| 4.4 | STR 1 | 3 | -2071 | -1297.17 | -1233 | -21104 | - | 0.1 | 1233 | 5402 | 30912 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13218.53 | - | | | | | | | |
| 4.4 | STR 2 | 3 | -2071 | -938.64 | -867 | -30265 | - | 0.07 | 867 | 5402 | 30912 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13717.55 | - | | | | | | | |
| 4.4 | STR 3 | 3 | -2071 | -1144.83 | -1076 | -24309 | - | 0.09 | 1076 | 5402 | 30912 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13438.43 | - | | | | | | | |
| 4.4 | STR 4 | 3 | -2071 | -817.14 | -745 | -35293 | - | 0.06 | 745 | 5402 | 30912 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13925.79 | - | | | | | | | |
| 4.4 | STR 5 | 3 | -1593 | -851.56 | -798 | -25228 | - | 0.06 | 798 | 5330 | 30829 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13485.51 | - | | | | | | | |
| 4.4 | STR 6 | 3 | -1593 | -547.56 | -491 | -41230 | - | 0.04 | 491 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14171.71 | - | | | | | | | |
| 4.4 | STR 7 | 3 | -1593 | -716.44 | -661 | -30525 | - | 0.05 | 661 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13728.32 | - | | | | | | | |
| 4.4 | STR 8 | 3 | -1593 | -454.01 | -398 | -51121 | - | 0.03 | 398 | 5330 | 30829 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14569.3 | - | | | | | | | |
| 4.4 | STR 1 | 3 | -2071 | -1297.17 | -1262 | -21104 | - | 0.1 | 1262 | 5402 | 30912 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13218.53 | - | | | | | | | |
| 4.4 | STR 2 | 3 | -2071 | -938.64 | -896 | -30265 | - | 0.07 | 896 | 5402 | 30912 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13717.55 | - | | | | | | | |
| 4.4 | STR 3 | 3 | -2071 | -1144.83 | -1106 | -24309 | - | 0.09 | 1106 | 5402 | 30912 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13438.43 | - | | | | | | | |
| 4.4 | STR 4 | 3 | -2071 | -817.14 | -773 | -35293 | - | 0.06 | 773 | 5402 | 30912 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13925.79 | - | | | | | | | |
| 4.4 | STR 5 | 3 | -1593 | -851.56 | -821 | -25228 | - | 0.06 | 821 | 5330 | 30829 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13485.51 | - | | | | | | | |
| 4.4 | STR 6 | 3 | -1593 | -547.56 | -513 | -41230 | - | 0.04 | 513 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14171.71 | - | | | | | | | |
| 4.4 | STR 7 | 3 | -1593 | -716.44 | -684 | -30525 | - | 0.05 | 684 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13728.32 | - | | | | | | | |
| 4.4 | STR 8 | 3 | -1593 | -454.01 | -419 | -51121 | - | 0.03 | 419 | 5330 | 30829 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14569.3 | - | | | | | | | |
| 4.6 | STR 1 | 3 | -2153 | -1044.82 | -1262 | -28075 | - | 0.08 | 1262 | 5414 | 30926 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13626.83 | - | | | | | | | |
| 4.6 | STR 2 | 3 | -2153 | -759.44 | -896 | -40029 | - | 0.05 | 896 | 5414 | 30926 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|-------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 4.6 | STR 4 | 3 | -2153 | -662.48 | -773 | -46798 | - | 0.05 | 773 | 5414 | 30926 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14402.31 | - | | | | | | | |
| 4.6 | STR 5 | 3 | -1656 | -687.41 | -821 | -33351 | - | 0.05 | 821 | 5339 | 30840 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13845.37 | - | | | | | | | |
| 4.6 | STR 6 | 3 | -1656 | -445.03 | -513 | -54365 | - | 0.03 | 513 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14611.21 | - | | | | | | | |
| 4.6 | STR 7 | 3 | -1656 | -579.74 | -684 | -40376 | - | 0.04 | 684 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14136.34 | - | | | | | | | |
| 4.6 | STR 8 | 3 | -1656 | -370.21 | -419 | -65666 | - | 0.03 | 419 | 5339 | 30840 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14681.24 | - | | | | | | | |
| 4.6 | STR 1 | 3 | -2153 | -1044.82 | -1222 | -28075 | - | 0.08 | 1222 | 5414 | 30926 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13626.83 | - | | | | | | | |
| 4.6 | STR 2 | 3 | -2153 | -759.44 | -876 | -40029 | - | 0.05 | 876 | 5414 | 30926 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14121.94 | - | | | | | | | |
| 4.6 | STR 3 | 3 | -2153 | -923.71 | -1075 | -32149 | - | 0.07 | 1075 | 5414 | 30926 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13795.58 | - | | | | | | | |
| 4.6 | STR 4 | 3 | -2153 | -662.48 | -760 | -46798 | - | 0.05 | 760 | 5414 | 30926 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14402.31 | - | | | | | | | |
| 4.6 | STR 5 | 3 | -1656 | -687.41 | -799 | -33351 | - | 0.05 | 799 | 5339 | 30840 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13845.37 | - | | | | | | | |
| 4.6 | STR 6 | 3 | -1656 | -445.03 | -506 | -54365 | - | 0.03 | 506 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14611.21 | - | | | | | | | |
| 4.6 | STR 7 | 3 | -1656 | -579.74 | -669 | -40376 | - | 0.04 | 669 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14136.34 | - | | | | | | | |
| 4.6 | STR 8 | 3 | -1656 | -370.21 | -417 | -65666 | - | 0.03 | 417 | 5339 | 30840 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14681.24 | - | | | | | | | |
| 4.8 | STR 1 | 3 | -2234 | -800.47 | -1222 | -39338 | - | 0.06 | 1222 | 5426 | 30940 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 14093.32 | - | | | | | | | |
| 4.8 | STR 2 | 3 | -2234 | -584.21 | -876 | -55917 | - | 0.04 | 876 | 5426 | 30940 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14620.83 | - | | | | | | | |
| 4.8 | STR 3 | 3 | -2234 | -708.8 | -1075 | -45189 | - | 0.05 | 1075 | 5426 | 30940 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14335.69 | - | | | | | | | |
| 4.8 | STR 4 | 3 | -2234 | -510.57 | -760 | -64207 | - | 0.03 | 760 | 5426 | 30940 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | -14672.2 | - | | | | | | | |
| 4.8 | STR 5 | 3 | -1719 | -527.7 | -799 | -46925 | - | 0.04 | 799 | 5349 | 30851 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14407.56 | - | | | | | | | |
| 4.8 | STR 6 | 3 | -1719 | -343.76 | -506 | -73649 | - | 0.02 | 506 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14730.71 | - | | | | | | | |
| 4.8 | STR 7 | 3 | -1719 | -446.03 | -669 | -56349 | - | 0.03 | 669 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | -14623.5 | - | | | | | | | |
| 4.8 | STR 8 | 3 | -1719 | -286.8 | -417 | -86970 | - | 0.02 | 417 | 5349 | 30851 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14512.79 | - | | | | | | | |
| 4.8 | STR 1 | 3 | -2234 | -800.47 | -1122 | -39338 | - | 0.06 | 1122 | 5426 | 30940 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 14093.32 | - | | | | | | | |
| 4.8 | STR 2 | 3 | -2234 | -584.21 | -811 | -55917 | - | 0.04 | 811 | 5426 | 30940 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14620.83 | - | | | | | | | |
| 4.8 | STR 3 | 3 | -2234 | -708.8 | -989 | -45189 | - | 0.05 | 989 | 5426 | 30940 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14335.69 | - | | | | | | | |
| 4.8 | STR 4 | 3 | -2234 | -510.57 | -705 | -64207 | - | 0.03 | 705 | 5426 | 30940 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | -14672.2 | - | | | | | | | |
| 4.8 | STR 5 | 3 | -1719 | -527.7 | -736 | -46925 | - | 0.04 | 736 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14407.56 | - | | | | | | | |
| 4.8 | STR 6 | 3 | -1719 | -343.76 | -472 | -73649 | - | 0.02 | 472 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14730.71 | - | | | | | | | |
| 4.8 | STR 7 | 3 | -1719 | -446.03 | -619 | -56349 | - | 0.03 | 619 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | -14623.5 | - | | | | | | | |
| 4.8 | STR 8 | 3 | -1719 | -286.8 | -391 | -86970 | - | 0.02 | 391 | 5349 | 30851 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14512.79 | - | | | | | | | |
| 5 | STR 1 | 3 | -2316 | -576.15 | -1122 | -58845 | - | 0.04 | 1122 | 5439 | 30954 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 14638.97 | - | | | | | | | |
| 5 | STR 2 | 3 | -2316 | -422.1 | -811 | -80756 | - | 0.03 | 811 | 5439 | 30954 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14718.44 | - | | | | | | | |
| 5 | STR 3 | 3 | -2316 | -510.92 | -989 | -66575 | - | 0.03 | 989 | 5439 | 30954 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14686.87 | - | | | | | | | |
| 5 | STR 4 | 3 | -2316 | -369.53 | -705 | -90272 | - | 0.03 | 705 | 5439 | 30954 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14403.53 | - | | | | | | | |
| 5 | STR 5 | 3 | -1782 | -380.53 | -736 | -68824 | - | 0.03 | 736 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14700.81 | - | | | | | | | |
| 5 | STR 6 | 3 | -1782 | -249.32 | -472 | -100500 | - | 0.02 | 472 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14065.01 | - | | | | | | | |
| 5 | STR 7 | 3 | -1782 | -322.31 | -619 | -81262 | - | 0.02 | 619 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14701.69 | - | | | | | | | |
| 5 | STR 8 | 3 | -1782 | -208.57 | -391 | -115471 | - | 0.02 | 391 | 5358 | 30862 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13518.89 | - | | | | | | | |
| 5 | STR 1 | 3 | -2316 | -576.15 | -977 | -58845 | - | 0.04 | 977 | 5439 | 30954 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14638.97 | - | | | | | | | |
| 5 | STR 2 | 3 | -2316 | -422.1 | -711 | -80756 | - | 0.03 | 711 | 5439 | 30954 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14718.44 | - | | | | | | | |
| 5 | STR 3 | 3 | -2316 | -510.92 | -864 | -66575 | - | 0.03 | 864 | 5439 | 30954 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14686.87 | - | | | | | | | |
| 5 | STR 4 | 3 | -2316 | -369.53 | -620 | -90272 | - | 0.03 | 620 | 5439 | 30954 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14403.53 | - | | | | | | | |
| 5 | STR 5 | 3 | -1782 | -380.53 | -643 | -68824 | - | 0.03 | 643 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14700.81 | - | | | | | | | |
| 5 | STR 6 | 3 | -1782 | -249.32 | -417 | -100500 | - | 0.02 | 417 | 5358 | 30862 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14065.01 | - | | | | | | | |
| 5 | STR 7 | 3 | -1782 | -322.31 | -543 | -81262 | - | 0.02 | 543 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14701.69 | - | | | | | | | |
| 5 | STR 8 | 3 | -1782 | -208.57 | -347 | -115471 | - | 0.02 | 347 | 5358 | 30862 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13518.89 | - | | | | | | | |
| 5.2 | STR 1 | 3 | -2398 | -380.72 | -977 | -87247 | - | 0.03 | 977 | 5451 | 30968 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13853.64 | - | | | | | | | |
| 5.2 | STR 2 | 3 | -2398 | -279.95 | -711 | -111765 | - | 0.02 | 711 | 5451 | 30968 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13049.37 | - | | | | | | | |
| 5.2 | STR 3 | 3 | -2398 | -338.09 | -864 | -96239 | - | 0.02 | 864 | 5451 | 30968 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13570.58 | - | | | | | | | |
| 5.2 | STR 4 | 3 | -2398 | -245.48 | -620 | -122797 | - | 0.02 | 620 | 5451 | 30968 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12572.39 | - | | | | | | | |
| 5.2 | STR 5 | 3 | -1844 | -251.91 | -643 | -98774 | - | 0.02 | 643 | 5368 | 30873 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13490.75 | - | | | | | | | |
| 5.2 | STR 6 | 3 | -1844 | -165.96 | -417 | -134226 | - | 0.01 | 417 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12077.64 | - | | | | | | | |
| 5.2 | STR 7 | 3 | -1844 | -213.78 | -543 | -112358 | - | 0.02 | 543 | 5368 | 30873 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13023.69 | - | | | | | | | |
| 5.2 | STR 8 | 3 | -1844 | -139.19 | -347 | -148772 | - | 0.01 | 347 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11227.14 | - | | | | | | | |
| 5.2 | STR 1 | 3 | -2398 | -380.72 | -800 | -87247 | - | 0.03 | 800 | 5451 | 30968 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13853.64 | - | | | | | | | |
| 5.2 | STR 2 | 3 | -2398 | -279.95 | -585 | -111765 | - | 0.02 | 585 | 5451 | 30968 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13049.37 | - | | | | | | | |
| 5.2 | STR 3 | 3 | -2398 | -338.09 | -709 | -96239 | - | 0.02 | 709 | 5451 | 30968 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13570. | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|---------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 5.2 | STR 4 | 3 | -2398 | -245.48 | -512 | -122797 | - | 0.02 | 512 | 5451 | 30968 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12572.39 | - | | | | | | | |
| 5.2 | STR 5 | 3 | -1844 | -251.91 | -528 | -98774 | - | 0.02 | 528 | 5368 | 30873 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13490.75 | - | | | | | | | |
| 5.2 | STR 6 | 3 | -1844 | -165.96 | -345 | -134226 | - | 0.01 | 345 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12077.64 | - | | | | | | | |
| 5.2 | STR 7 | 3 | -1844 | -213.78 | -447 | -112358 | - | 0.02 | 447 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13023.69 | - | | | | | | | |
| 5.2 | STR 8 | 3 | -1844 | -139.19 | -289 | -148772 | - | 0.01 | 289 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11227.14 | - | | | | | | | |
| 5.4 | STR 1 | 3 | -2479 | -220.71 | -800 | -112330 | -9999.7 | 0.02 | 800 | 5463 | 30982 | 35185 | 2.15 | 0.03 | ok |
| 5.4 | STR 2 | 3 | -2479 | -162.88 | -585 | -135404 | -8895.17 | 0.02 | 585 | 5463 | 30982 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 3 | 3 | -2479 | -196.28 | -709 | -121756 | -9638.85 | 0.02 | 709 | 5463 | 30982 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 4 | 3 | -2479 | -143.05 | -512 | -144283 | -8324.79 | 0.02 | 512 | 5463 | 30982 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 5 | 3 | -1907 | -146.3 | -528 | -124050 | -9515.62 | 0.02 | 528 | 5377 | 30884 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 6 | 3 | -1907 | -96.9 | -345 | -152417 | -7743.64 | 0.01 | 345 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 7 | 3 | -1907 | -124.4 | -447 | -135934 | -8866.25 | 0.01 | 447 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 8 | 3 | -1907 | -81.47 | -289 | -162322 | -6933.6 | 0.01 | 289 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 1 | 3 | -2479 | -220.71 | -598 | -112330 | -9999.7 | 0.02 | 598 | 5463 | 30982 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 2 | 3 | -2479 | -162.88 | -440 | -135404 | -8895.17 | 0.02 | 440 | 5463 | 30982 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 3 | 3 | -2479 | -196.28 | -531 | -121756 | -9638.85 | 0.02 | 531 | 5463 | 30982 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 4 | 3 | -2479 | -143.05 | -386 | -144283 | -8324.79 | 0.02 | 386 | 5463 | 30982 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 5 | 3 | -1907 | -146.3 | -396 | -124050 | -9515.62 | 0.02 | 396 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 6 | 3 | -1907 | -96.9 | -261 | -152417 | -7743.64 | 0.01 | 261 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 7 | 3 | -1907 | -124.4 | -336 | -135934 | -8866.25 | 0.01 | 336 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 8 | 3 | -1907 | -81.47 | -219 | -162322 | -6933.6 | 0.01 | 219 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 1 | 3 | -2561 | -101.17 | -598 | -137718 | -5440.49 | 0.02 | 598 | 5475 | 30996 | 35185 | 2.15 | 0.02 | ok |
| 5.6 | STR 2 | 3 | -2561 | -74.94 | -440 | -149109 | -4362.9 | 0.02 | 440 | 5475 | 30996 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 3 | 3 | -2561 | -90.1 | -531 | -142534 | -5014.54 | 0.02 | 531 | 5475 | 30996 | 35185 | 2.15 | 0.02 | ok |
| 5.6 | STR 4 | 3 | -2561 | -65.92 | -386 | -149688 | -3853.03 | 0.02 | 386 | 5475 | 30996 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 5 | 3 | -1970 | -67.18 | -396 | -143789 | -4903.55 | 0.01 | 396 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 6 | 3 | -1970 | -44.74 | -261 | -149688 | -3399.44 | 0.01 | 261 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 7 | 3 | -1970 | -57.24 | -336 | -149333 | -4338.81 | 0.01 | 336 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 8 | 3 | -1970 | -37.71 | -219 | -149688 | -2865.22 | 0.01 | 219 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 1 | 3 | -2561 | -101.17 | -374 | -137718 | -5440.49 | 0.02 | 374 | 5475 | 30996 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 2 | 3 | -2561 | -74.94 | -277 | -149109 | -4362.9 | 0.02 | 277 | 5475 | 30996 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 3 | 3 | -2561 | -90.1 | -333 | -142534 | -5014.54 | 0.02 | 333 | 5475 | 30996 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 4 | 3 | -2561 | -65.92 | -243 | -149688 | -3853.03 | 0.02 | 243 | 5475 | 30996 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 5 | 3 | -1970 | -67.18 | -248 | -143789 | -4903.55 | 0.01 | 248 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 6 | 3 | -1970 | -44.74 | -165 | -149688 | -3399.44 | 0.01 | 165 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 7 | 3 | -1970 | -57.24 | -211 | -149333 | -4338.81 | 0.01 | 211 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 8 | 3 | -1970 | -37.71 | -139 | -149688 | -2865.22 | 0.01 | 139 | 5387 | 30894 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 1 | 3 | -2643 | -26.29 | -374 | -140939 | -1402.29 | 0.02 | 374 | 5488 | 31010 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 2 | 3 | -2643 | -19.56 | -277 | -140939 | -1043.28 | 0.02 | 277 | 5488 | 31010 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 3 | 3 | -2643 | -23.46 | -333 | -140939 | -1251 | 0.02 | 333 | 5488 | 31010 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 4 | 3 | -2643 | -17.24 | -243 | -140939 | -919.59 | 0.02 | 243 | 5488 | 31010 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 5 | 3 | -2033 | -17.5 | -248 | -140939 | -1213.2 | 0.01 | 248 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 6 | 3 | -2033 | -11.73 | -165 | -140939 | -813.25 | 0.01 | 165 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 7 | 3 | -2033 | -14.94 | -211 | -140939 | -1036.1 | 0.01 | 211 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 8 | 3 | -2033 | -9.92 | -139 | -140939 | -687.5 | 0.01 | 139 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 1 | 3 | -2643 | -26.29 | -131 | -140939 | -1402.29 | 0.02 | 131 | 5488 | 31010 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 2 | 3 | -2643 | -19.56 | -98 | -140939 | -1043.28 | 0.02 | 98 | 5488 | 31010 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 3 | 3 | -2643 | -23.46 | -117 | -140939 | -1251 | 0.02 | 117 | 5488 | 31010 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 4 | 3 | -2643 | -17.24 | -86 | -140939 | -919.59 | 0.02 | 86 | 5488 | 31010 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 5 | 3 | -2033 | -17.5 | -87 | -140939 | -1213.2 | 0.01 | 87 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 6 | 3 | -2033 | -11.73 | -59 | -140939 | -813.25 | 0.01 | 59 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 7 | 3 | -2033 | -14.94 | -75 | -140939 | -1036.1 | 0.01 | 75 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 8 | 3 | -2033 | -9.92 | -50 | -140939 | -687.5 | 0.01 | 50 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |

Verifiche strutturali di esercizio in SLER

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|------|---------|----------|--------|---------|----------|-------|---------|----|------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSf | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLER 1 | 3 | -274 | 0 | -2191 | -32865 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLER 2 | 3 | -274 | 0 | -2191 | -32865 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLER 1 | 3 | -274 | 0 | -2191 | -32865 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLER 2 | 3 | -274 | 0 | -2191 | -32865 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 1 | 3 | -336 | 0 | -2624 | -39355 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 2 | 3 | -336 | 0 | -2624 | -39355 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 1 | 3 | -336 | 0 | -2624 | -39355 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 2 | 3 | -336 | 0 | -2624 | -39355 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 1 | 3 | -399 | 0 | -2790 | -41840 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 2 | 3 | -399 | 0 | -2790 | -41841 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 1 | 3 | -399 | 0 | -2790 | -41840 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 2 | 3 | -399 | 0 | -2790 | -41841 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 1 | 3 | -462 | 0 | -2924 | -43856 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 2 | 3 | -462 | 0 | -2924 | -43857 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 1 | 3 | -462 | 0 | -2924 | -43856 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 2 | 3 | -462 | 0 | -2924 | -43857 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 1 | 3 | -525 | -0.24 | -3288 | -48567 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 2 | 3 | -525 | 0 | -3260 | -48883 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 1 | 3 | -525 | -0.24 | -3288 | -48567 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 2 | 3 | -525 | 0 | -3260 | -48883 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 1 | 3 | -588 | -4.02 | -4142 | -49312 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 2 | 3 | -588 | 0 | -3650 | -54735 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 1 | 3 | -588 | -4.02 | -4142 | -49312 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 2 | 3 | -588 | 0 | -3650 | -54735 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 1 | 3 | -651 | -15.55 | -5946 | -39578 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 2 | 3 | -651 | -2.2 | -4309 | -57616 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 1 | 3 | -651 | -15.55 | -5946 | -39578 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 2 | 3 | -651 | -2.2 | -4309 | -57616 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLER 1 | 3 | -713 | -39.05 | -9220 | -13593 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 1.6 | SLER 2 | 3 | -713 | -10.83 | -5757 | -51806 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLER 1 | 3 | -713 | -39.05 | -9220 | -13593 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 1.6 | SLER 2 | 3 | -713 | -10.83 | -5757 | -51806 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.8 | SLER 1 | 3 | -776 | -78.75 | -15672 | 63848 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 1.8 | SLER 2 | 3 | -776 | -30.1 | -8509 | -31618 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 1.8 | SLER 1 | 3 | -776 | -78.75 | -15672 | 63848 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 1.8 | SLER 2 | 3 | -776 | -30.1 | -8509 | -31618 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 2 | SLER 1 | 3 | -839 | -138.84 | -27392 | 261659 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 2 | SLER 2 | 3 | -839 | -64.23 | -13404 | 15838 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 2 | SLER 1 | 3 | -839 | -138.84 | -27392 | 261659 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 2 | SLER 2 | 3 | -839 | -64.23 | -13404 | 15838 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 2.2 | SLER 1 | 3 | -902 | -223.56 | -44373 | 591093 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 2.2 | SLER 2 | 3 | -902 | -117.42 | -23126 | 159873 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 2.2 | SLER 1 | 3 | -902 | -223.56 | -44373 | 591093 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 2.2 | SLER 2 | 3 | -902 | -117.42 | -23126 | 159873 | 1494000 | 36000000 | 0.02 | | | | | | ok |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|-------|----------|----------|---------|---------|----------|-------|---------|----|------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 2.4 | SLer 1 | 3 | -965 | -337.12 | -67061 | 1056937 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 2.4 | SLer 2 | 3 | -965 | -193.91 | -38377 | 440209 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 2.4 | SLer 1 | 3 | -965 | -337.12 | -67061 | 1056937 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 2.4 | SLer 2 | 3 | -965 | -193.91 | -38377 | 440209 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 2.6 | SLer 1 | 3 | -1028 | -483.73 | -96238 | 1672831 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 2.6 | SLer 2 | 3 | -1028 | -297.91 | -59210 | 859552 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 2.6 | SLer 1 | 3 | -1028 | -483.73 | -96238 | 1672831 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 2.6 | SLer 2 | 3 | -1028 | -297.91 | -59210 | 859552 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 2.8 | SLer 1 | 3 | -1090 | -667.61 | -132737 | 2455653 | 1494000 | 36000000 | 0.09 | | | | | | ok |
| 2.8 | SLer 2 | 3 | -1090 | -433.62 | -86277 | 1424905 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 2.8 | SLer 1 | 3 | -1090 | -667.61 | -132737 | 2455653 | 1494000 | 36000000 | 0.09 | | | | | | ok |
| 2.8 | SLer 2 | 3 | -1090 | -433.62 | -86277 | 1424905 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 3 | SLer 1 | 3 | -1153 | -893.72 | -177550 | 3426628 | 1494000 | 36000000 | 0.12 | | | | | | ok |
| 3 | SLer 2 | 3 | -1153 | -610.27 | -121387 | 2174340 | 1494000 | 36000000 | 0.08 | | | | | | ok |
| 3 | SLer 1 | 3 | -1153 | -893.72 | -177550 | 3426628 | 1494000 | 36000000 | 0.12 | | | | | | ok |
| 3 | SLer 2 | 3 | -1153 | -610.27 | -121387 | 2174340 | 1494000 | 36000000 | 0.08 | | | | | | ok |
| 3.2 | SLer 1 | 3 | -1216 | -1037.54 | -206048 | 4034208 | 1494000 | 36000000 | 0.14 | | | | | | ok |
| 3.2 | SLer 2 | 3 | -1216 | -727.9 | -144735 | 2665157 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.2 | SLer 1 | 3 | -1216 | -1037.54 | -206048 | 4034208 | 1494000 | 36000000 | 0.14 | | | | | | ok |
| 3.2 | SLer 2 | 3 | -1216 | -727.9 | -144735 | 2665157 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.4 | SLer 1 | 3 | -1279 | -1096.58 | -217768 | 4266672 | 1494000 | 36000000 | 0.15 | | | | | | ok |
| 3.4 | SLer 2 | 3 | -1279 | -781.46 | -155374 | 2873279 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.4 | SLer 1 | 3 | -1279 | -1096.58 | -217768 | 4266672 | 1494000 | 36000000 | 0.15 | | | | | | ok |
| 3.4 | SLer 2 | 3 | -1279 | -781.46 | -155374 | 2873279 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.6 | SLer 1 | 3 | -1342 | -1089.24 | -216355 | 4205428 | 1494000 | 36000000 | 0.14 | | | | | | ok |
| 3.6 | SLer 2 | 3 | -1342 | -784.48 | -155996 | 2858257 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.6 | SLer 1 | 3 | -1342 | -1089.24 | -216355 | 4205428 | 1494000 | 36000000 | 0.14 | | | | | | ok |
| 3.6 | SLer 2 | 3 | -1342 | -784.48 | -155996 | 2858257 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.8 | SLer 1 | 3 | -1405 | -1032.1 | -205081 | 3923994 | 1494000 | 36000000 | 0.14 | | | | | | ok |
| 3.8 | SLer 2 | 3 | -1405 | -749.22 | -149022 | 2674451 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 3.8 | SLer 1 | 3 | -1405 | -1032.1 | -205081 | 3923994 | 1494000 | 36000000 | 0.14 | | | | | | ok |
| 3.8 | SLer 2 | 3 | -1405 | -749.22 | -149022 | 2674451 | 1494000 | 36000000 | 0.1 | | | | | | ok |
| 4 | SLer 1 | 3 | -1467 | -939.67 | -186803 | 3486863 | 1494000 | 36000000 | 0.13 | | | | | | ok |
| 4 | SLer 2 | 3 | -1467 | -686.48 | -136578 | 2369969 | 1494000 | 36000000 | 0.09 | | | | | | ok |
| 4 | SLer 1 | 3 | -1467 | -939.67 | -186803 | 3486863 | 1494000 | 36000000 | 0.13 | | | | | | ok |
| 4 | SLer 2 | 3 | -1467 | -686.48 | -136578 | 2369969 | 1494000 | 36000000 | 0.09 | | | | | | ok |
| 4.2 | SLer 1 | 3 | -1530 | -824.29 | -163949 | 2949168 | 1494000 | 36000000 | 0.11 | | | | | | ok |
| 4.2 | SLer 2 | 3 | -1530 | -605.5 | -120475 | 1986374 | 1494000 | 36000000 | 0.08 | | | | | | ok |
| 4.2 | SLer 1 | 3 | -1530 | -824.29 | -163949 | 2949168 | 1494000 | 36000000 | 0.11 | | | | | | ok |
| 4.2 | SLer 2 | 3 | -1530 | -605.5 | -120475 | 1986374 | 1494000 | 36000000 | 0.08 | | | | | | ok |
| 4.4 | SLer 1 | 3 | -1593 | -696.19 | -138519 | 2357014 | 1494000 | 36000000 | 0.09 | | | | | | ok |
| 4.4 | SLer 2 | 3 | -1593 | -513.98 | -102216 | 1559031 | 1494000 | 36000000 | 0.07 | | | | | | ok |
| 4.4 | SLer 1 | 3 | -1593 | -696.19 | -138519 | 2357014 | 1494000 | 36000000 | 0.09 | | | | | | ok |
| 4.4 | SLer 2 | 3 | -1593 | -513.98 | -102216 | 1559031 | 1494000 | 36000000 | 0.07 | | | | | | ok |
| 4.6 | SLer 1 | 3 | -1656 | -563.62 | -112110 | 1748575 | 1494000 | 36000000 | 0.08 | | | | | | ok |
| 4.6 | SLer 2 | 3 | -1656 | -418.18 | -83017 | 1118309 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 4.6 | SLer 1 | 3 | -1656 | -563.62 | -112110 | 1748575 | 1494000 | 36000000 | 0.08 | | | | | | ok |
| 4.6 | SLer 2 | 3 | -1656 | -418.18 | -83017 | 1118309 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 4.8 | SLer 1 | 3 | -1719 | -433.81 | -86121 | 1159764 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 4.8 | SLer 2 | 3 | -1719 | -323.32 | -63921 | 693770 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 4.8 | SLer 1 | 3 | -1719 | -433.81 | -86121 | 1159764 | 1494000 | 36000000 | 0.06 | | | | | | ok |
| 4.8 | SLer 2 | 3 | -1719 | -323.32 | -63921 | 693770 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 5 | SLer 1 | 3 | -1782 | -313.6 | -61931 | 631155 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 5 | SLer 2 | 3 | -1782 | -234.7 | -46220 | 325706 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 5 | SLer 1 | 3 | -1782 | -313.6 | -61931 | 631155 | 1494000 | 36000000 | 0.04 | | | | | | ok |
| 5 | SLer 2 | 3 | -1782 | -234.7 | -46220 | 325706 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 5.2 | SLer 1 | 3 | -1844 | -208.09 | -42174 | 227661 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 5.2 | SLer 2 | 3 | -1844 | -156.35 | -32583 | 72007 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.2 | SLer 1 | 3 | -1844 | -208.09 | -42174 | 227661 | 1494000 | 36000000 | 0.03 | | | | | | ok |
| 5.2 | SLer 2 | 3 | -1844 | -156.35 | -32583 | 72007 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.4 | SLer 1 | 3 | -1907 | -121.13 | -30392 | -9542 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.4 | SLer 2 | 3 | -1907 | -91.36 | -26034 | -59791 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.4 | SLer 1 | 3 | -1907 | -121.13 | -30392 | -9542 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.4 | SLer 2 | 3 | -1907 | -91.36 | -26034 | -59791 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.6 | SLer 1 | 3 | -1970 | -55.75 | -24099 | -134196 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.6 | SLer 2 | 3 | -1970 | -42.22 | -21978 | -157576 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.6 | SLer 1 | 3 | -1970 | -55.75 | -24099 | -134196 | 1494000 | 36000000 | 0.02 | | | | | | ok |
| 5.6 | SLer 2 | 3 | -1970 | -42.22 | -21978 | -157576 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 1 | 3 | -2033 | -14.56 | -18629 | -218335 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 2 | 3 | -2033 | -11.08 | -18067 | -224528 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 1 | 3 | -2033 | -14.56 | -18629 | -218335 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 5.8 | SLer 2 | 3 | -2033 | -11.08 | -18067 | -224528 | 1494000 | 36000000 | 0.01 | | | | | | ok |

Verifiche strutturali di esercizio in SLEF

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|------|--------|----------|----|------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLEf 1 | 3 | -274 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 2 | 3 | -274 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 1 | 3 | -274 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 2 | 3 | -274 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 1 | 3 | -336 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 2 | 3 | -336 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 1 | 3 | -336 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 2 | 3 | -336 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 1 | 3 | -399 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 2 | 3 | -399 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 1 | 3 | -399 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 2 | 3 | -399 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 1 | 3 | -462 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 2 | 3 | -462 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 1 | 3 | -462 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 2 | 3 | -462 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 1 | 3 | -525 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 2 | 3 | -525 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 1 | 3 | -525 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 2 | 3 | -525 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 1 | 3 | -588 | -0.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 2 | 3 | -588 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 1 | 3 | -588 | -0.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 2 | 3 | -588 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 1 | 3 | -651 | -6.93 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 2 | 3 | -651 | -2.2 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 1 | 3 | -651 | -6.93 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 2 | 3 | -651 | -2.2 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 1 | 3 | -713 | -22.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|-------|---------|----------|----|------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 1.6 | SLEf 2 | 3 | -713 | -10.83 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 1 | 3 | -713 | -22.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 2 | 3 | -713 | -10.83 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 1 | 3 | -776 | -50.65 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 2 | 3 | -776 | -30.1 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 1 | 3 | -776 | -50.65 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 2 | 3 | -776 | -30.1 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 1 | 3 | -839 | -96.85 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 2 | 3 | -839 | -64.23 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 1 | 3 | -839 | -96.85 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 2 | 3 | -839 | -64.23 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 1 | 3 | -902 | -164.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 2 | 3 | -902 | -117.42 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 1 | 3 | -902 | -164.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 2 | 3 | -902 | -117.42 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 1 | 3 | -965 | -259.01 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 2 | 3 | -965 | -193.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 1 | 3 | -965 | -259.01 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 2 | 3 | -965 | -193.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 1 | 3 | -1028 | -383.39 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 2 | 3 | -1028 | -297.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 1 | 3 | -1028 | -383.39 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 2 | 3 | -1028 | -297.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 1 | 3 | -1090 | -542.28 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 2 | 3 | -1090 | -433.62 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 1 | 3 | -1090 | -542.28 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 2 | 3 | -1090 | -433.62 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 1 | 3 | -1153 | -742.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 2 | 3 | -1153 | -610.27 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 1 | 3 | -1153 | -742.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 2 | 3 | -1153 | -610.27 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 1 | 3 | -1216 | -873.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 2 | 3 | -1216 | -727.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 1 | 3 | -1216 | -873.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 2 | 3 | -1216 | -727.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 1 | 3 | -1279 | -930.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 2 | 3 | -1279 | -781.46 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 1 | 3 | -1279 | -930.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 2 | 3 | -1279 | -781.46 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 1 | 3 | -1342 | -928.51 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 2 | 3 | -1342 | -784.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 1 | 3 | -1342 | -928.51 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 2 | 3 | -1342 | -784.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 1 | 3 | -1405 | -883.15 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 2 | 3 | -1405 | -749.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 1 | 3 | -1405 | -883.15 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 2 | 3 | -1405 | -749.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 1 | 3 | -1467 | -806.53 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 2 | 3 | -1467 | -686.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 1 | 3 | -1467 | -806.53 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 2 | 3 | -1467 | -686.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 1 | 3 | -1530 | -709.37 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 2 | 3 | -1530 | -605.5 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 1 | 3 | -1530 | -709.37 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 2 | 3 | -1530 | -605.5 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 1 | 3 | -1593 | -600.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 2 | 3 | -1593 | -513.98 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 1 | 3 | -1593 | -600.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 2 | 3 | -1593 | -513.98 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 1 | 3 | -1656 | -487.4 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 2 | 3 | -1656 | -418.18 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 1 | 3 | -1656 | -487.4 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 2 | 3 | -1656 | -418.18 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 1 | 3 | -1719 | -375.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 2 | 3 | -1719 | -323.32 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 1 | 3 | -1719 | -375.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 2 | 3 | -1719 | -323.32 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 1 | 3 | -1782 | -272.34 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 2 | 3 | -1782 | -234.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 1 | 3 | -1782 | -272.34 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 2 | 3 | -1782 | -234.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 1 | 3 | -1844 | -181.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 2 | 3 | -1844 | -156.35 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 1 | 3 | -1844 | -181.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 2 | 3 | -1844 | -156.35 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 1 | 3 | -1907 | -105.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 2 | 3 | -1907 | -91.36 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 1 | 3 | -1907 | -105.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 2 | 3 | -1907 | -91.36 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 1 | 3 | -1970 | -48.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 2 | 3 | -1970 | -42.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 1 | 3 | -1970 | -48.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 2 | 3 | -1970 | -42.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 1 | 3 | -2033 | -12.75 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 2 | 3 | -2033 | -11.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 1 | 3 | -2033 | -12.75 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 2 | 3 | -2033 | -11.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |

Verifiche strutturali di esercizio in SLEqp

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|---------|-----|------|----|----------|----|---------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLEqp 1 | 3 | -274 | 0 | -2191 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 2 | 3 | -274 | 0 | -2191 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 1 | 3 | -274 | 0 | -2191 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 2 | 3 | -274 | 0 | -2191 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 1 | 3 | -336 | 0 | -2624 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 2 | 3 | -336 | 0 | -2624 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 1 | 3 | -336 | 0 | -2624 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 2 | 3 | -336 | 0 | -2624 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 1 | 3 | -399 | 0 | -2790 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 2 | 3 | -399 | 0 | -2790 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 1 | 3 | -399 | 0 | -2790 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 2 | 3 | -399 | 0 | -2790 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 1 | 3 | -462 | 0 | -2924 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 2 | 3 | -462 | 0 | -2924 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|---------|-----|-------|---------|----------|----|---------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/Cst | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.8 | SLEqp 1 | 3 | -462 | 0 | -2924 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 2 | 3 | -462 | 0 | -2924 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 1 | 3 | -525 | 0 | -3260 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 2 | 3 | -525 | 0 | -3260 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 1 | 3 | -525 | 0 | -3260 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 2 | 3 | -525 | 0 | -3260 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 1 | 3 | -588 | -0.36 | -3694 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 2 | 3 | -588 | 0 | -3650 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 1 | 3 | -588 | -0.36 | -3694 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 2 | 3 | -588 | 0 | -3650 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 1 | 3 | -651 | -4.6 | -4603 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 2 | 3 | -651 | -2.2 | -4309 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 1 | 3 | -651 | -4.6 | -4603 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 2 | 3 | -651 | -2.2 | -4309 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 1 | 3 | -713 | -16.93 | -6504 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 2 | 3 | -713 | -10.83 | -5757 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 1 | 3 | -713 | -16.93 | -6504 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 2 | 3 | -713 | -10.83 | -5757 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 1 | 3 | -776 | -41.56 | -9915 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 2 | 3 | -776 | -30.1 | -8509 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 1 | 3 | -776 | -41.56 | -9915 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 2 | 3 | -776 | -30.1 | -8509 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 1 | 3 | -839 | -82.71 | -16505 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 2 | 3 | -839 | -64.23 | -13404 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 1 | 3 | -839 | -82.71 | -16505 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 2 | 3 | -839 | -64.23 | -13404 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 1 | 3 | -902 | -144.59 | -28513 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 2 | 3 | -902 | -117.42 | -23126 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 1 | 3 | -902 | -144.59 | -28513 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 2 | 3 | -902 | -117.42 | -23126 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 1 | 3 | -965 | -231.43 | -45919 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 2 | 3 | -965 | -193.91 | -38377 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 1 | 3 | -965 | -231.43 | -45919 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 2 | 3 | -965 | -193.91 | -38377 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 1 | 3 | -1028 | -347.45 | -69110 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 2 | 3 | -1028 | -297.91 | -59210 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 1 | 3 | -1028 | -347.45 | -69110 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 2 | 3 | -1028 | -297.91 | -59210 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 1 | 3 | -1090 | -496.85 | -98852 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 2 | 3 | -1090 | -433.62 | -86277 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 1 | 3 | -1090 | -496.85 | -98852 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 2 | 3 | -1090 | -433.62 | -86277 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 1 | 3 | -1153 | -687.71 | -136745 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 2 | 3 | -1153 | -610.27 | -121387 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 1 | 3 | -1153 | -687.71 | -136745 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 2 | 3 | -1153 | -610.27 | -121387 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 1 | 3 | -1216 | -813.06 | -161610 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 2 | 3 | -1216 | -727.9 | -144735 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 1 | 3 | -1216 | -813.06 | -161610 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 2 | 3 | -1216 | -727.9 | -144735 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 1 | 3 | -1279 | -868.49 | -172620 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 2 | 3 | -1279 | -781.46 | -155374 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 1 | 3 | -1279 | -868.49 | -172620 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 2 | 3 | -1279 | -781.46 | -155374 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 1 | 3 | -1342 | -868.92 | -172732 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 2 | 3 | -1342 | -784.48 | -155996 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 1 | 3 | -1342 | -868.92 | -172732 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 2 | 3 | -1342 | -784.48 | -155996 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 1 | 3 | -1405 | -827.8 | -164606 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 2 | 3 | -1405 | -749.22 | -149022 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 1 | 3 | -1405 | -827.8 | -164606 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 2 | 3 | -1405 | -749.22 | -149022 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 1 | 3 | -1467 | -756.96 | -150572 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 2 | 3 | -1467 | -686.48 | -136578 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 1 | 3 | -1467 | -756.96 | -150572 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 2 | 3 | -1467 | -686.48 | -136578 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 1 | 3 | -1530 | -666.51 | -132614 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 2 | 3 | -1530 | -605.5 | -120475 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 1 | 3 | -1530 | -666.51 | -132614 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 2 | 3 | -1530 | -605.5 | -120475 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 1 | 3 | -1593 | -564.88 | -112374 | | 1120500 | | 0.1 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 2 | 3 | -1593 | -513.98 | -102216 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 1 | 3 | -1593 | -564.88 | -112374 | | 1120500 | | 0.1 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 2 | 3 | -1593 | -513.98 | -102216 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 1 | 3 | -1656 | -458.88 | -91174 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 2 | 3 | -1656 | -418.18 | -83017 | | 1120500 | | 0.07 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 1 | 3 | -1656 | -458.88 | -91174 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 2 | 3 | -1656 | -418.18 | -83017 | | 1120500 | | 0.07 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 1 | 3 | -1719 | -354.29 | -70147 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 2 | 3 | -1719 | -323.32 | -63921 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 1 | 3 | -1719 | -354.29 | -70147 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 2 | 3 | -1719 | -323.32 | -63921 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5 | SLEqp 1 | 3 | -1782 | -256.85 | -50589 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5 | SLEqp 2 | 3 | -1782 | -234.7 | -46220 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5 | SLEqp 1 | 3 | -1782 | -256.85 | -50589 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5 | SLEqp 2 | 3 | -1782 | -234.7 | -46220 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.2 | SLEqp 1 | 3 | -1844 | -170.9 | -35135 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.2 | SLEqp 2 | 3 | -1844 | -156.35 | -32583 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.2 | SLEqp 1 | 3 | -1844 | -170.9 | -35135 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.2 | SLEqp 2 | 3 | -1844 | -156.35 | -32583 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.4 | SLEqp 1 | 3 | -1907 | -99.74 | -27202 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.4 | SLEqp 2 | 3 | -1907 | -91.36 | -26034 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.4 | SLEqp 1 | 3 | -1907 | -99.74 | -27202 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.4 | SLEqp 2 | 3 | -1907 | -91.36 | -26034 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.6 | SLEqp 1 | 3 | -1970 | -46.04 | -22576 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.6 | SLEqp 2 | 3 | -1970 | -42.22 | -21978 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5.6 | SLEqp 1 | 3 | -1970 | -46.04 | -22576 | | 1120500 | | 0.02 | no | 0 | | | | |

| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSr | |
|-----|---------|-----|------|---------|-----|---------|----------|-------|-----|------|-------|-------|------|-------|----|
| 0.2 | SLVml 1 | 3 | -274 | -0.7 | 4 | -140939 | -361.59 | 0 | 4 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 2 | 3 | -274 | -0.7 | 4 | -140939 | -361.59 | 0 | 4 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 3 | 3 | -274 | 0 | 0 | -140939 | 0.07 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 4 | 3 | -274 | 0 | 0 | -140939 | 0.07 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 1 | 3 | -274 | -0.7 | 11 | -140939 | -361.59 | 0 | 11 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 2 | 3 | -274 | -0.7 | 11 | -140939 | -361.59 | 0 | 11 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 3 | 3 | -274 | 0 | 0 | -140939 | 0.07 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.2 | SLVml 4 | 3 | -274 | 0 | 0 | -140939 | 0.07 | 0 | 0 | 5132 | 30602 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 1 | 3 | -336 | -2.81 | 11 | -149688 | -1249.2 | 0 | 11 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 2 | 3 | -336 | -2.81 | 11 | -149688 | -1249.2 | 0 | 11 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 3 | 3 | -336 | 0 | 0 | -149688 | 0.24 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 4 | 3 | -336 | 0 | 0 | -149688 | 0.24 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 1 | 3 | -336 | -2.81 | 18 | -149688 | -1249.2 | 0 | 18 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 2 | 3 | -336 | -2.81 | 18 | -149688 | -1249.2 | 0 | 18 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 3 | 3 | -336 | 0 | 0 | -149688 | 0.24 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.4 | SLVml 4 | 3 | -336 | 0 | 0 | -149688 | 0.24 | 0 | 0 | 5141 | 30613 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 1 | 3 | -399 | -6.32 | 18 | -184344 | -2916.62 | 0 | 18 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 2 | 3 | -399 | -6.32 | 18 | -184344 | -2916.62 | 0 | 18 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 3 | 3 | -399 | 0 | 0 | -188573 | 0.59 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 4 | 3 | -399 | 0 | 0 | -188573 | 0.59 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 1 | 3 | -399 | -6.32 | 25 | -184344 | -2916.62 | 0 | 25 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 2 | 3 | -399 | -6.32 | 25 | -184344 | -2916.62 | 0 | 25 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 3 | 3 | -399 | 0 | 0 | -188573 | 0.59 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.6 | SLVml 4 | 3 | -399 | 0 | 0 | -188573 | 0.59 | 0 | 0 | 5151 | 30624 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 1 | 3 | -462 | -11.23 | 25 | -195879 | -4760.32 | 0 | 25 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 2 | 3 | -462 | -11.23 | 25 | -195879 | -4760.32 | 0 | 25 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 3 | 3 | -462 | 0 | 0 | -227457 | 1.14 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 4 | 3 | -462 | 0 | 0 | -227457 | 1.14 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 1 | 3 | -462 | -11.23 | 32 | -195879 | -4760.32 | 0 | 32 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 2 | 3 | -462 | -11.23 | 32 | -195879 | -4760.32 | 0 | 32 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 3 | 3 | -462 | 0 | 0 | -227457 | 1.14 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 0.8 | SLVml 4 | 3 | -462 | 0 | 0 | -227457 | 1.14 | 0 | 0 | 5160 | 30635 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 1 | 3 | -525 | -17.55 | 32 | -183831 | -6144.84 | 0 | 32 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 2 | 3 | -525 | -17.55 | 32 | -183831 | -6144.84 | 0 | 32 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 3 | 3 | -525 | 0 | 0 | -235351 | 1.66 | 0 | 0 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 4 | 3 | -525 | 0 | 0 | -235351 | 1.66 | 0 | 0 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 1 | 3 | -525 | -17.55 | 40 | -183831 | -6144.84 | 0 | 40 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 2 | 3 | -525 | -17.55 | 40 | -183831 | -6144.84 | 0 | 40 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 3 | 3 | -525 | 0 | 2 | -235351 | 1.66 | 0 | 2 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1 | SLVml 4 | 3 | -525 | 0 | 2 | -235351 | 1.66 | 0 | 2 | 5170 | 30645 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 1 | 3 | -588 | -25.63 | 40 | -167428 | -7302.43 | 0 | 40 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 2 | 3 | -588 | -25.63 | 40 | -167428 | -7302.43 | 0 | 40 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 3 | 3 | -588 | -0.36 | 2 | -235351 | -145.42 | 0 | 2 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 4 | 3 | -588 | -0.36 | 2 | -235351 | -145.42 | 0 | 2 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 1 | 3 | -588 | -25.63 | 67 | -167428 | -7302.43 | 0 | 67 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 2 | 3 | -588 | -25.63 | 67 | -167428 | -7302.43 | 0 | 67 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 3 | 3 | -588 | -0.36 | 21 | -235351 | -145.42 | 0 | 21 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.2 | SLVml 4 | 3 | -588 | -0.36 | 21 | -235351 | -145.42 | 0 | 21 | 5179 | 30656 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 1 | 3 | -651 | -39 | 67 | -145034 | -8693.94 | 0 | 67 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 2 | 3 | -651 | -39 | 67 | -145034 | -8693.94 | 0 | 67 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 3 | 3 | -651 | -4.6 | 21 | -235351 | -1664.48 | 0 | 21 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 4 | 3 | -651 | -4.6 | 21 | -235351 | -1664.48 | 0 | 21 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 1 | 3 | -651 | -39 | 114 | -145034 | -8693.94 | 0 | 114 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 2 | 3 | -651 | -39 | 114 | -145034 | -8693.94 | 0 | 114 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 3 | 3 | -651 | -4.6 | 62 | -235351 | -1664.48 | 0 | 62 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.4 | SLVml 4 | 3 | -651 | -4.6 | 62 | -235351 | -1664.48 | 0 | 62 | 5188 | 30667 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVml 1 | 3 | -713 | -61.85 | 114 | -114975 | -9968.54 | 0.01 | 114 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVml 2 | 3 | -713 | -61.85 | 114 | -114975 | -9968.54 | 0.01 | 114 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVml 3 | 3 | -713 | -16.93 | 62 | -202689 | -4809.12 | 0 | 62 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVml 4 | 3 | -713 | -16.93 | 62 | -202689 | -4809.12 | 0 | 62 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVml 1 | 3 | -713 | -61.85 | 183 | -114975 | -9968.54 | 0.01 | 183 | 5198 | 30678 | 35185 | 2.15 | 0.01 | ok |
| 1.6 | SLVml 2 | 3 | -713 | -61.85 | 183 | -114975 | -9968.54 | 0.01 | 183 | 5198 | 30678 | 35185 | 2.15 | 0.01 | ok |
| 1.6 | SLVml 3 | 3 | -713 | -16.93 | 123 | -202689 | -4809.12 | 0 | 123 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.6 | SLVml 4 | 3 | -713 | -16.93 | 123 | -202689 | -4809.12 | 0 | 123 | 5198 | 30678 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVml 1 | 3 | -776 | -98.41 | 183 | -84439 | - | 0.01 | 183 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | SLVml 2 | 3 | -776 | -98.41 | 183 | -84439 | 10705.73 | 0.01 | 183 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | SLVml 3 | 3 | -776 | -41.56 | 123 | -153489 | -8217.17 | 0.01 | 123 | 5207 | 30689 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVml 4 | 3 | -776 | -41.56 | 123 | -153489 | -8217.17 | 0.01 | 123 | 5207 | 30689 | 35185 | 2.15 | 0 | ok |
| 1.8 | SLVml 1 | 3 | -776 | -98.41 | 272 | -84439 | - | 0.01 | 272 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | SLVml 2 | 3 | -776 | -98.41 | 272 | -84439 | 10705.73 | 0.01 | 272 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | SLVml 3 | 3 | -776 | -41.56 | 206 | -153489 | -8217.17 | 0.01 | 206 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 1.8 | SLVml 4 | 3 | -776 | -41.56 | 206 | -153489 | -8217.17 | 0.01 | 206 | 5207 | 30689 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 1 | 3 | -839 | -152.9 | 272 | -60675 | -11057 | 0.01 | 272 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 2 | 3 | -839 | -152.9 | 272 | -60675 | -11057 | 0.01 | 272 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 3 | 3 | -839 | -82.71 | 206 | -104254 | - | 0.01 | 206 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 4 | 3 | -839 | -82.71 | 206 | -104254 | 10276.35 | 0.01 | 206 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 1 | 3 | -839 | -152.9 | 383 | -60675 | -11057 | 0.01 | 383 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 2 | 3 | -839 | -152.9 | 383 | -60675 | -11057 | 0.01 | 383 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 3 | 3 | -839 | -82.71 | 309 | -104254 | - | 0.01 | 309 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2 | SLVml 4 | 3 | -839 | -82.71 | 309 | -104254 | 10276.35 | 0.01 | 309 | 5217 | 30700 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | SLVml 1 | 3 | -902 | -229.53 | 383 | -44246 | - | 0.02 | 383 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | SLVml 2 | 3 | -902 | -229.53 | 383 | -44246 | 11260.63 | 0.02 | 383 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | SLVml 3 | 3 | -902 | -144.59 | 309 | -68350 | - | 0.01 | 309 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | SLVml 4 | 3 | -902 | -144.59 | 309 | -68350 | 10958.13 | 0.01 | 309 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | SLVml 1 | 3 | -902 | -229.53 | 515 | -44246 | - | 0.02 | 515 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| 2.2 | SLVml 2 | 3 | -902 | -229.53 | 515 | -44246 | 11260.63 | 0.02 | 515 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| 2.2 | SLVml 3 | 3 | -902 | -144.59 | 434 | -68350 | - | 0.01 | 434 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | SLVml 4 | 3 | -902 | -144.59 | 434 | -68350 | 10958.13 | 0.01 | 434 | 5226 | 30710 | 35185 | 2.15 | 0.01 | ok |
| 2.4 | SLVml 1 | 3 | -965 | -332.52 | 515 | -32872 | - | 0.03 | 515 | 5236 | 30721 | 35185 | 2.15 | 0.02 | ok |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|---------|-----|-------|---------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 4 | SLVm1 4 | 3 | -1467 | -756.96 | -452 | -20065 | - | 0.07 | 452 | 5311 | 30808 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10350.67 | - | | | | | | | |
| 4.2 | SLVm1 1 | 3 | -1530 | -769.94 | -542 | -20672 | - | 0.07 | 542 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10401.37 | - | | | | | | | |
| 4.2 | SLVm1 2 | 3 | -1530 | -769.94 | -542 | -20672 | - | 0.07 | 542 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10401.37 | - | | | | | | | |
| 4.2 | SLVm1 3 | 3 | -1530 | -666.51 | -452 | -24640 | - | 0.06 | 452 | 5321 | 30819 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10732.72 | - | | | | | | | |
| 4.2 | SLVm1 4 | 3 | -1530 | -666.51 | -452 | -24640 | - | 0.06 | 452 | 5321 | 30819 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10732.72 | - | | | | | | | |
| 4.2 | SLVm1 1 | 3 | -1530 | -769.94 | -600 | -20672 | - | 0.07 | 600 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10401.37 | - | | | | | | | |
| 4.2 | SLVm1 2 | 3 | -1530 | -769.94 | -600 | -20672 | - | 0.07 | 600 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10401.37 | - | | | | | | | |
| 4.2 | SLVm1 3 | 3 | -1530 | -666.51 | -508 | -24640 | - | 0.06 | 508 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10732.72 | - | | | | | | | |
| 4.2 | SLVm1 4 | 3 | -1530 | -666.51 | -508 | -24640 | - | 0.06 | 508 | 5321 | 30819 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10732.72 | - | | | | | | | |
| 4.4 | SLVm1 1 | 3 | -1593 | -649.86 | -600 | -26739 | - | 0.06 | 600 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10907.96 | - | | | | | | | |
| 4.4 | SLVm1 2 | 3 | -1593 | -649.86 | -600 | -26739 | - | 0.06 | 600 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10907.96 | - | | | | | | | |
| 4.4 | SLVm1 3 | 3 | -1593 | -564.88 | -508 | -31842 | - | 0.05 | 508 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11291.14 | - | | | | | | | |
| 4.4 | SLVm1 4 | 3 | -1593 | -564.88 | -508 | -31842 | - | 0.05 | 508 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11291.14 | - | | | | | | | |
| 4.4 | SLVm1 1 | 3 | -1593 | -649.86 | -620 | -26739 | - | 0.06 | 620 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10907.96 | - | | | | | | | |
| 4.4 | SLVm1 2 | 3 | -1593 | -649.86 | -620 | -26739 | - | 0.06 | 620 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10907.96 | - | | | | | | | |
| 4.4 | SLVm1 3 | 3 | -1593 | -564.88 | -530 | -31842 | - | 0.05 | 530 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11291.14 | - | | | | | | | |
| 4.4 | SLVm1 4 | 3 | -1593 | -564.88 | -530 | -31842 | - | 0.05 | 530 | 5330 | 30829 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11291.14 | - | | | | | | | |
| 4.6 | SLVm1 1 | 3 | -1656 | -525.77 | -620 | -35783 | - | 0.05 | 620 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11361.71 | - | | | | | | | |
| 4.6 | SLVm1 2 | 3 | -1656 | -525.77 | -620 | -35783 | - | 0.05 | 620 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11361.71 | - | | | | | | | |
| 4.6 | SLVm1 3 | 3 | -1656 | -458.88 | -530 | -40783 | - | 0.04 | 530 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11301.98 | - | | | | | | | |
| 4.6 | SLVm1 4 | 3 | -1656 | -458.88 | -530 | -40783 | - | 0.04 | 530 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11301.98 | - | | | | | | | |
| 4.6 | SLVm1 1 | 3 | -1656 | -525.77 | -607 | -35783 | - | 0.05 | 607 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11361.71 | - | | | | | | | |
| 4.6 | SLVm1 2 | 3 | -1656 | -525.77 | -607 | -35783 | - | 0.05 | 607 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11361.71 | - | | | | | | | |
| 4.6 | SLVm1 3 | 3 | -1656 | -458.88 | -523 | -40783 | - | 0.04 | 523 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11301.98 | - | | | | | | | |
| 4.6 | SLVm1 4 | 3 | -1656 | -458.88 | -523 | -40783 | - | 0.04 | 523 | 5339 | 30840 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11301.98 | - | | | | | | | |
| 4.8 | SLVm1 1 | 3 | -1719 | -404.44 | -607 | -47679 | - | 0.04 | 607 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11219.62 | - | | | | | | | |
| 4.8 | SLVm1 2 | 3 | -1719 | -404.44 | -607 | -47679 | - | 0.04 | 607 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11219.62 | - | | | | | | | |
| 4.8 | SLVm1 3 | 3 | -1719 | -354.29 | -523 | -54052 | - | 0.03 | 523 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11142.32 | - | | | | | | | |
| 4.8 | SLVm1 4 | 3 | -1719 | -354.29 | -523 | -54052 | - | 0.03 | 523 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11142.32 | - | | | | | | | |
| 4.8 | SLVm1 1 | 3 | -1719 | -404.44 | -561 | -47679 | - | 0.04 | 561 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11219.62 | - | | | | | | | |
| 4.8 | SLVm1 2 | 3 | -1719 | -404.44 | -561 | -47679 | - | 0.04 | 561 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11219.62 | - | | | | | | | |
| 4.8 | SLVm1 3 | 3 | -1719 | -354.29 | -487 | -54052 | - | 0.03 | 487 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11142.32 | - | | | | | | | |
| 4.8 | SLVm1 4 | 3 | -1719 | -354.29 | -487 | -54052 | - | 0.03 | 487 | 5349 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11142.32 | - | | | | | | | |
| 5 | SLVm1 1 | 3 | -1782 | -292.21 | -561 | -66922 | - | 0.03 | 561 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10976.53 | - | | | | | | | |
| 5 | SLVm1 2 | 3 | -1782 | -292.21 | -561 | -66922 | - | 0.03 | 561 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10976.53 | - | | | | | | | |
| 5 | SLVm1 3 | 3 | -1782 | -256.85 | -487 | -75281 | - | 0.02 | 487 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10853.74 | - | | | | | | | |
| 5 | SLVm1 4 | 3 | -1782 | -256.85 | -487 | -75281 | - | 0.02 | 487 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10853.74 | - | | | | | | | |
| 5 | SLVm1 1 | 3 | -1782 | -292.21 | -492 | -66922 | - | 0.03 | 492 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10976.53 | - | | | | | | | |
| 5 | SLVm1 2 | 3 | -1782 | -292.21 | -492 | -66922 | - | 0.03 | 492 | 5358 | 30862 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10976.53 | - | | | | | | | |
| 5 | SLVm1 3 | 3 | -1782 | -256.85 | -430 | -75281 | - | 0.02 | 430 | 5358 | 30862 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10853.74 | - | | | | | | | |
| 5 | SLVm1 4 | 3 | -1782 | -256.85 | -430 | -75281 | - | 0.02 | 430 | 5358 | 30862 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10853.74 | - | | | | | | | |
| 5.2 | SLVm1 1 | 3 | -1844 | -193.79 | -492 | -95988 | - | 0.02 | 492 | 5368 | 30873 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10085.59 | - | | | | | | | |
| 5.2 | SLVm1 2 | 3 | -1844 | -193.79 | -492 | -95988 | - | 0.02 | 492 | 5368 | 30873 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10085.59 | - | | | | | | | |
| 5.2 | SLVm1 3 | 3 | -1844 | -170.9 | -430 | -106132 | -9834.17 | 0.02 | 430 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -9834.17 | 0.02 | 430 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | SLVm1 4 | 3 | -1844 | -170.9 | -430 | -106132 | -9834.17 | 0.02 | 430 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -9834.17 | 0.02 | 430 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | SLVm1 1 | 3 | -1844 | -193.79 | -405 | -95988 | - | 0.02 | 405 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10085.59 | - | | | | | | | |
| 5.2 | SLVm1 2 | 3 | -1844 | -193.79 | -405 | -95988 | - | 0.02 | 405 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10085.59 | - | | | | | | | |
| 5.2 | SLVm1 3 | 3 | -1844 | -170.9 | -356 | -106132 | -9834.17 | 0.02 | 356 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -9834.17 | 0.02 | 356 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | SLVm1 4 | 3 | -1844 | -170.9 | -356 | -106132 | -9834.17 | 0.02 | 356 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -9834.17 | 0.02 | 356 | 5368 | 30873 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | SLVm1 1 | 3 | -1907 | -112.75 | -405 | -122578 | -7246.31 | 0.02 | 405 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -7246.31 | 0.02 | 405 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | SLVm1 2 | 3 | -1907 | -112.75 | -405 | -122578 | -7246.31 | 0.02 | 405 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -7246.31 | 0.02 | 405 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | SLVm1 3 | 3 | -1907 | -99.74 | -356 | -130361 | -6817.6 | 0.01 | 356 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -6817.6 | 0.01 | 356 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | SLVm1 4 | 3 | -1907 | -99.74 | -356 | -130361 | -6817.6 | 0.01 | 356 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -6817.6 | 0.01 | 356 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | SLVm1 1 | 3 | -1907 | -112.75 | -304 | -122578 | -7246.31 | 0.02 | 304 | 5377 | 30884 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|---------|-----|-------|--------|------|-----------------|----------|-------|--------|------|-------|-------|------|--------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSst | |
| 5.6 | SLVm1 3 | 3 | -1970 | -46.04 | -170 | -142386 | -3327.28 | 0.01 | 170 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 4 | 3 | -1970 | -46.04 | -170 | -142386 | -3327.28 | 0.01 | 170 | 5387 | 30894 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 1 | 3 | -2033 | -13.54 | -192 | -140939 | -938.76 | 0.01 | 192 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 2 | 3 | -2033 | -13.54 | -192 | -140939 | -938.76 | 0.01 | 192 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 3 | 3 | -2033 | -12.06 | -170 | -140939 | -836.41 | 0.01 | 170 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 4 | 3 | -2033 | -12.06 | -170 | -140939 | -836.41 | 0.01 | 170 | 5396 | 30905 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 1 | 3 | -2033 | -13.54 | -68 | -140939 | -938.76 | 0.01 | 68 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 2 | 3 | -2033 | -13.54 | -68 | -140939 | -938.76 | 0.01 | 68 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 3 | 3 | -2033 | -12.06 | -60 | -140939 | -836.41 | 0.01 | 60 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 4 | 3 | -2033 | -12.06 | -60 | -140939 | -836.41 | 0.01 | 60 | 5396 | 30905 | 35185 | 2.15 | 0 | ok |

Significato dei simboli utilizzati:

- Z:** coordinata Z del punto di verifica [m]
Ver: stato di verifica
Armatura longitudinale: armatura longitudinale
AaeTot: area acciaio efficace totale [m²]
Aai: area acciaio inferiore [m²]
Aas: area acciaio superiore [m²]
Pat: percentuale di armatura totale
Pmin: percentuale di armatura minima consentita
Pmax: percentuale di armatura massima consentita
Staffe: staffe
Dst: diametro staffe presente [m]
DstMin: diametro staffe minimo [m]
Pst: passo staffe presente [m]
PstMax: passo staffe massimo [m]
Dati sezione: dati di verifica della sezione
Cmb: combinazione di calcolo
Stg: fase di calcolo
N: sforzo normale di progetto [daN]
Mx: momento flettente di progetto [daN*m]
T: sforzo di taglio di progetto [daN]
Pressoflessione: verifiche a Pressoflessione
Nu: sforzo normale ultimo [daN]
Mxu: momento flettente ultimo [daN*m]
1/CSf: inverso del Coefficiente di sicurezza a pressoflessione
Taglio: verifiche a Taglio
VEd: taglio sollecitante di calcolo [daN]
VRd: taglio resistente sezione non staffata [daN]
VRcd: taglio che produce la rottura delle bielle [daN]
VRsd: taglio resistente sezione staffata [daN]
Cotg: cotangente inclinazione traliccio
1/CSst: inverso del Coefficiente di sicurezza a taglio
Tensioni: tensioni su cls ed armatura
Sc: tensione minima sul cls (max compressione) [daN/m²]
Sf: tensione massima sull'acciaio (max trazione) [daN/m²]
Sc,a: tensione ammissibile sul cls [daN/m²]
Sf,a: tensione ammissibile sull'acciaio [daN/m²]
1/CSst: inverso del coeff. di sicurezza sulle tensioni raggiunte su cls e/o armatura
Fessure: fessurazione della sezione
Fess: sezione fessurata (sì o no)
Wm: apertura media delle fessure [m]
Wadm: apertura ammissibile delle fessure [m]
Srm: distanza media tra le fessure [m]
1/CSf: inverso del coeff. di sicurezza a fessurazione

VERIFICA DELLA BERLINESE A LUNGO TERMINE COLLEGATA AL MASSETTO DI PAVIMENTAZIONE s=20cm

Le sollecitazioni si ottengono nella condizione di carico SLV

Famiglia: SLV (Unita di misura daN, cm)

| Comb | Mx,nel piano | My, fuori piano | N | T, ortogonale | T, nel piano |
|------|--------------|-----------------|-----------|---------------|--------------|
| 1 | 24415550.0 | 4232732.0 | -95253.4 | 53834.7 | -59536.3 |
| 2 | 24620660.0 | 4266109.0 | -95670.3 | 54039.9 | -63464.9 |
| 3 | 23266140.0 | 4101158.0 | -93796.5 | 53040.9 | -43004.4 |
| 4 | 23471250.0 | 4134534.0 | -94213.4 | 53246.1 | -46933.0 |
| 5 | 42235050.0 | 4028915.0 | -102931.7 | 52312.3 | -134430.5 |
| 6 | 42440160.0 | 4062292.0 | -103348.5 | 52517.5 | -138359.1 |
| 7 | 41085640.0 | 3897341.0 | -101474.8 | 51518.5 | -117898.6 |
| 8 | 41290750.0 | 3930717.0 | -101891.6 | 51723.7 | -121827.2 |
| 9 | -10906380.0 | 3265512.0 | -107576.0 | 46291.7 | 93900.3 |
| 10 | -10222660.0 | 3376767.0 | -108965.6 | 46975.7 | 80805.1 |
| 11 | -11251200.0 | 3226040.0 | -107139.0 | 46053.6 | 98859.9 |
| 12 | -10567490.0 | 3337295.0 | -108528.5 | 46737.5 | 85764.6 |
| 13 | 48491960.0 | 2586123.0 | -133170.3 | 41217.0 | -155747.0 |
| 14 | 49175680.0 | 2697377.0 | -134559.8 | 41900.9 | -168842.3 |
| 15 | 48147140.0 | 2546650.0 | -132733.3 | 40978.8 | -150787.4 |
| 16 | 48830850.0 | 2657905.0 | -134122.8 | 41662.8 | -163882.7 |
| 17 | -22812870.0 | 2305499.0 | -126670.5 | 38747.2 | 141635.1 |
| 18 | -22129160.0 | 2416753.0 | -128060.0 | 39431.1 | 128539.8 |
| 19 | -23157700.0 | 2266026.0 | -126233.5 | 38509.0 | 146594.7 |
| 20 | -22473980.0 | 2377281.0 | -127623.0 | 39193.0 | 133499.4 |
| 21 | 36585460.0 | 1626109.0 | -152264.8 | 33672.4 | -108012.2 |
| 22 | 37269180.0 | 1737363.0 | -153654.3 | 34356.4 | -121107.5 |
| 23 | 36240640.0 | 1586636.0 | -151827.7 | 33434.3 | -103052.7 |
| 24 | 36924360.0 | 1697891.0 | -153217.3 | 34118.2 | -116147.9 |
| 25 | -15272770.0 | 1032686.0 | -158901.7 | 28686.3 | 99579.6 |
| 26 | -15067650.0 | 1066063.0 | -159318.5 | 28891.4 | 95651.0 |
| 27 | -16422180.0 | 901111.7 | -157444.8 | 27892.5 | 116111.5 |
| 28 | -16217070.0 | 934488.1 | -157861.6 | 28097.7 | 112182.9 |
| 29 | 2546733.0 | 828869.3 | -166579.9 | 27163.8 | 24685.4 |
| 30 | 2751846.0 | 862245.7 | -166996.8 | 27369.0 | 20756.8 |
| 31 | 1397320.0 | 697294.7 | -165123.0 | 26370.0 | 41217.3 |
| 32 | 1602434.0 | 730671.1 | -165539.9 | 26575.2 | 37288.7 |

La berlinese è composta da 39 pali collegati (a lavori eseguiti) dalla trave in sommità e alla struttura di fondazione. Non si considera nella verifica il contributo dello sforzo normale (a favore di sicurezza)

Si esegue la verifica di un palo della berlinese (ogni palo sarà sollecitato dalla azione totale/39: VERIFICA DIREZIONE Y.

Titolo : VERIFICA PALI BERLINESE DIR Y

Sezione circolare cava

Raggio esterno: 40 [cm]
Raggio interno: 0 [cm]
N° barre uguali: 12
Diametro barre: 1.6 [cm]
Copriferro (baric.): 4.5 [cm]

Sollecitazioni

S.L.U. Metodo n

N_{Ed}: 0 kN
M_{xEd}: 126.1 kNm
M_{yEd}: 0 kNm

P.to applicazione N

Centro Baricentro cls
Coord.[cm] xN: 0 yN: 0

Tipo rottura

Lato calcestruzzo - Acciaio snervato

Materiali

B450C C25/30

E_{su}: 67.5 ‰ E_{c2}: 2 ‰
f_{yd}: 391.3 N/mm² E_{cu}: 3.5 ‰
E_s: 200'000 N/mm² f_{cd}: 14.17 ‰
E_s/E_c: 15 f_{cc}/f_{cd}: 0.8
E_{syd}: 1.957 ‰ σ_{c,adm}: 9.75
σ_{s,adm}: 255 N/mm² τ_{co}: 0.6
τ_{c1}: 1.829

Metodo di calcolo

S.L.U.+ S.L.U.- Metodo n

Tipo flessione

Retta Deviata

Vertici: 52 N° rett.: 100

Calcola MRd Dominio M-N

L₀: 0 cm Col. modello

☐ Precompresso

M_{xRd}: 313.1 kN m

σ_c: -14.17 N/mm²
σ_s: 391.3 N/mm²
ε_c: 3.5 ‰
ε_s: 17 ‰
d: 75.5 cm
x: 12.89 x/d: 0.1707
δ: 0.7

VERIFICA PALI BERLINESE DIR X

Sezione circolare cava

Raggio esterno: 40 [cm]
 Raggio interno: 0 [cm]
 N° barre uguali: 12
 Diametro barre: 1.6 [cm]
 Copriferro (baric.): 4.5 [cm]

N° barre: 0 Zoom

Tipo Sezione
☐ Rettan.re ☐ Trapezi
☐ a T ☒ Circolare
☐ Rettangoli ☐ Coord.

Sollecitazioni
 S.L.U. Metodo n

N_{Ed}: 0 kN
 M_{xEd}: 10.9 kNm
 M_{yEd}: 0 kNm

P.to applicazione N
☒ Centro ☐ Baricentro cls
☐ Coord.[cm] xN: 0 yN: 0

Tipo rottura
 Lato calcestruzzo - Acciaio snervato

Metodo di calcolo
☒ S.L.U.+ ☐ S.L.U.-
☒ Metodo n

Tipo flessione
☒ Retta ☐ Deviata

Vertici: 52 N° rett.: 100

Calcola MRd Dominio M-N

L₀: 0 cm Col. modello

☐ Precompresso

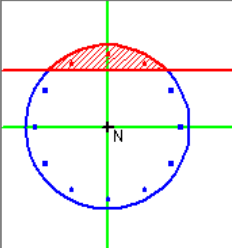
Materiali

B450C C25/30

ε_{su}: 67.5 ‰ ε_{c2}: 2 ‰
 f_{yd}: 391.3 N/mm² ε_{cu}: 3.5 ‰
 E_s: 200'000 N/mm² f_{cd}: 14.17 ‰
 E_s/E_c: 15 f_{cc}/f_{cd}: 0.8
 ε_{syd}: 1.957 ‰ σ_{c,adm}: 9.75
 σ_{s,adm}: 255 N/mm² τ_{co}: 0.6
 τ_{c1}: 1.829

M_{xRd}: 313.1 kN m

σ_c: -14.17 N/mm²
 σ_s: 391.3 N/mm²
 ε_c: 3.5 ‰
 ε_s: 17 ‰
 d: 75.5 cm
 x: 12.89 x/d: 0.1707
 δ: 0.7



RELAZIONE DI CALCOLO BERLINESE

Le unità di misura sono in [m, daN, deg] ove non espressamente specificato.

Normative di riferimento

D.M. del 17-01-2018, Norme Tecniche per le Costruzioni
Sicurezza (cap.2), Azioni sulle costruzioni (cap.3), Progettazione geotecnica (cap.6), Progettazione per azioni sismiche (cap.7), Riferimenti tecnici (cap.12)

Software

Descrizione del programma BulkCAD

Si tratta di un programma di calcolo strutturale dedicato al progetto e verifica di paratie in cemento armato, acciaio e legno .Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti fornito col pacchetto .Viene consentita l'introduzione della geometria, dei carichi e degli elementi accessori, quali cordoli e tiranti; il solutore ad elementi finiti ricava spostamenti e sollecitazioni sugli elementi per le combinazioni di carico e le fasi costruttive previste .A soluzione avvenuta viene condotta la verifica di resistenza strutturale e le verifiche geotecniche di stabilità locale e globale, producendo i grafici ed i tabulati di output.In presenza di filtrazione da falde acquifere si possono ottenere le verifiche idrauliche di sifonamento e sollevamento del fondo scavo .

Specifiche tecniche

Denominazione del software: BulkCAD 6.4
Produttore del software: Concrete
Concrete srl, via della Pieve, 15, 35121 PADOVA - Italy
http://www.concrete.it
Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720
Versione: 6.4
Identificatore licenza: KW-2405217
Intestatario della licenza: Ingg. Gabriele Gaspari & C. Danilo Gigli - 42030 VILLAMINOZZO (RE)
Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

L'analisi e il calcolo della paratia viene condotto con un metodo cosiddetto 'a molle' (SRM o Subgrade Reaction Method), utilizzando un proprio solutore agli elementi finiti fornito col pacchetto .La paratia viene schematizzata in un certo numero di aste connesse da nodi, confinate in un letto di molle elastoplastiche, precaricate dalla spinta del terreno; le altre azioni sono messe in conto applicando delle forze esterne nei nodi del modello .Tali molle possono essere attivate e disattivate, permettendo di eseguire un calcolo per fasi; il calcolo eseguito per fasi permette quindi di tenere conto della reale sequenza costruttiva dell'opera .L'analisi delle azioni di calcolo e le successive verifiche sono condotte conformemente alla normativa impostata; l'analisi può essere condotta secondo il D.M. 17-01-18 NTC o il D.M. 14-01-08 NTC, le verifiche secondo il D.M. 17-01-18 NTC o il D.M. 14-01-08 NTC o secondo EC2-EC3 .Le combinazioni di calcolo vengono create conformemente al D.M. 17-01-18 o al D.M. 14-01-08, che per le paratie richiede l'approccio DA1 (completo); è possibile creare e modificare sia le combinazioni che le fasi di calcolo .

Verifiche delle membrature in cemento armato

Le verifiche degli elementi in c.a. possono essere condotte agli stati limite in accordo al D.M. 17-01-18 o al D.M. 14-01-08 o secondo Eurocodice 2 .Le sezioni di paratia sono verificate in stato limite ultimo per flessione retta e taglio, in esercizio per limitazione delle tensioni e delle fessure .Le varie situazioni di verifica (tensioni, resistenza, apertura delle fessure) sono riportate su diagrammi che l'operatore può interrogare ottenendo i valori numerici o la verifica puntuale dettagliata .In un file dxf viene poi riportato il disegno esecutivo dettagliato completo di prospetto, sezioni e distinta delle armature.

Verifiche delle membrature in acciaio

Le verifiche delle membrature in acciaio sono limitate ai micropali tubolari ed alle palancole metalliche; tali verifiche possono essere condotte secondo D.M. 17-01-18 o D.M. 14-01-08 o Eurocodice 3 .Sono previste verifiche di resistenza a flessione e taglio e, per le sole palancole, di instabilità (buckling) .

Verifiche geotecniche e idrauliche

Vengono condotte verifiche geotecniche di stabilità locale, in particolare il collasso per carico limite verticale e lo sfilamento degli ancoraggi dal terreno .Il solutore segnala inoltre labilità o spostamenti elevati per traslazione o rotazione attorno ad un punto .Per gli strati in cui sono presenti dati di prove penetrometriche standard (SPT) è possibile valutare un fattore di sicurezza a liquefazione del terreno .Le verifiche comprendono anche la verifica di stabilità globale, valutata considerando superfici di scivolamento circolari .L'analisi viene condotta con i metodi di Bishop o Fellenius, mediante suddivisione del pendio in conci .Il coefficiente di sicurezza viene determinato sulla base di una maglia di centri definita dall'utente .In presenza di falda acquifera con carico idraulico diverso tra i due lati dell'opera si possono eseguire verifiche idrauliche di sifonamento e sollevamento del fondo scavo, se pertinente anche a breve termine .Il gradiente di filtrazione viene stimato con un metodo monodimensionale semplificato .

Dati generali

Tipo di paratia: paratia di pali circolari accostati
Altezza totale della paratia: 6
Lunghezza totale della paratia: 27
Sezione di base in CLS: Circolare Circolare (D=40)
Tipo di CLS: C25/30
Tipo di armatura: B450C
Interasse tra le sezioni in c.a. della stessa fila: 0.65

Dati del sito

Descrizione: Stratigrafia
Quota del piano campagna: 0
Quota della falda: 100

Stratigrafia

| Dsc | Thk | Inc | StfMt | Afct | Bfct | Nfct |
|-----------------------|-----|-----|--------|------|------|------|
| Terreno di Fondazione | 3 | 0 | Bowles | | | |
| Sub strato roccioso | 27 | 0 | Bowles | | | |

Terreni presenti in sito

| Dsc | Fi | DIt | Cse | Cu | Ads | Gmn | Gms | K0 | Es | Ps | RQD | khorr | kvrt |
|-----------------------|----|-----|------|------|-----|------|------|------|---------|-----|-----|-------|--------|
| Terreno di Fondazione | 21 | 14 | 750 | 5500 | 0.5 | 1900 | 1950 | 0.64 | 400000 | 0.4 | 0 | 0 | 0 |
| Sub strato roccioso | 30 | 20 | 7500 | 0 | 1 | 2100 | 2100 | 0.5 | 5000000 | 0.3 | 0 | 0.001 | 0.0001 |

Significato dei simboli utilizzati:

Dsc: descrizione del suolo
Thk: spessore dello strato [m]
Inc: inclinazione dello strato sull'orizzontale, positiva se antioraria [deg]
StfMt: metodo per la valutazione della rigidezza dello strato
Afct: fattore A della formulazione binomia della rigidezza ($k=A+B^n$)
Bfct: fattore B della formulazione binomia della rigidezza ($k=A+B^n$)
Nfct: fattore n della formulazione binomia della rigidezza ($k=A+B^n$)
Fi: angolo di attrito interno [deg]
Dlt: angolo di attrito delta all'interfaccia paratia/soilo [deg]
Cse: coesione efficace [daN/m²]
Cur: coesione non drenata [daN/m²]
Ads: adesione della coesione all'interfaccia paratia/soilo
Gmn: peso specifico naturale del terreno in sito [daN/m³]
Gms: peso specifico saturo del terreno in sito [daN/m³]
K0: coefficiente di spinta a riposo
Es: modulo elastico del terreno [daN/m²]
Ps: modulo di Poisson del terreno
RQD: rock Quality Degree per terreni rocciosi (0 negli altri casi)
khor: permeabilità orizzontale [m/s]
kvert: permeabilità verticale [m/s]

Preferenze generali

Preferenze sismiche di normativa

Azioni sismiche secondo la normativa: NTC18
Località: Reggio Nell'emilia, Casina; Altitudine s.l.m. 18.24 m
Coordinate geografiche: Latitudine ED50 44.5119° (44° 30' 43"); Longitudine ED50 10.4979° (10° 29' 52")
Vita nominale (P.2.4.1): 50 anni
Classe d'uso (P.2.4.2): III
Periodo di riferimento considerato: 75 anni
Probabilità di superamento per lo SLD: 63.00%
Accelerazione max al suolo per lo SLD: 0.079
Fattore di amplificazione spettrale Fo per lo SLD: 2.495
Probabilità di superamento per lo SLV: 10.00%
Accelerazione max al suolo per lo SLV: 0.18
Fattore di amplificazione spettrale per lo SLV: 2.495
Categoria del suolo (Tab.3.2.II): Suolo_C
Amplificazione stratigrafica Ss allo SLD (Tab.3.2.IV): 1.5
Amplificazione stratigrafica Ss allo SLV (Tab.3.2.IV): 1.43
Amplificazione topografica St (Tab.3.2.V): 1
Coefficiente di deformabilità alfa (Fig.7.11.2): 1
Coefficiente di spostamento beta (Fig.7.11.3): 0.68
Coefficiente di riduzione al sito betaS (Tab.7.11.I): 0.24
Coeff. sismico orizzontale SLV per struttura: 0.175
Coeff. sismico orizzontale SLV per valutazione della spinta nelle condizioni di equilibrio passivo: 0.175
Coeff. sismico verticale SLV per struttura: 0
Coeff. sismico orizzontale SLV per pendio: 0.062
Coeff. sismico verticale SLV per pendio: 0
Posizione della risultante: Metà dell'altezza
Tratto di applicazione del sisma: sulla parte a sbalzo

Preferenze per il calcolo delle sezioni in c.a.

Norma per la verifica strutturale: Stati limite D.M.14-01-2017
Verifica a taglio condotta con inclinazione variabile del traliccio di Moersh
Coefficiente Fi per viscosità del cls: 2
Tolleranza di posa armature: 0.01
Riduzione tau in cattiva aderenza: 0.7

Preferenze per il solutore ad elementi finiti

Metodo di risoluzione solutore: Tangente
Lunghezza massima di discretizzazione: 0.2
Numero massimo di iterazioni: 50
Tolleranza solutore: 0.0001

Preferenze geotecniche generali

Metodo di calcolo delle spinte terra: MononobeOkabe
Condizione di spinta considerata nel calcolo: LungoTermine
Ampiezza bulbo a destra (solo per calcolo rigidezze secondo bulbo tensioni): 1
Ampiezza bulbo a sinistra (solo per calcolo rigidezze secondo bulbo tensioni): 1

Preferenze per la verifica di stabilità globale

Metodo di calcolo stabilità globale: Bishop
Coeff. di sicurezza limite per stabilità globale: 1.3
Passo massimo dei conci: 1
Resistenza al taglio della paratia (solo per stabilità globale): 50000

Preferenze per le verifiche di stabilità locali

Metodo di calcolo portanza verticale: Vesic

Combinazioni e Fasi di carico

Tabella condizioni elementari di carico

| Descrizione | Nome breve | Durata | Psi0 | Psi1 | Psi2 |
|------------------------------------|------------|------------|------|------|------|
| Carichi permanenti | Perm. | Permanente | | | |
| Carichi permanenti non strutturali | Perm.P | Permanente | | | |

| Descrizione | Nome breve | Durata | Psi0 | Psi1 | Psi2 |
|-----------------------------|------------|------------|------|------|------|
| Carichi variabili | Var. | Media | 0.7 | 0.5 | 0.3 |
| Carichi sismici orizzontali | Sis.h | Istantaneo | | | |
| Carichi sismici verticali | Sis.v | Istantaneo | | | |

Tabella combinazioni di calcolo

| Nome | Nome breve | Tipo | Prm | PrmP | Var | SisH | SisV |
|-------------|------------|-------|-----|------|-----|------|------|
| SLE rara | SLEr 1 | SLEr | 1 | 1 | 1 | 0 | 0 |
| SLE rara | SLEr 2 | SLEr | 1 | 1 | 0 | 0 | 0 |
| SLE fr | SLEf 1 | SLEf | 1 | 1 | 0.5 | 0 | 0 |
| SLE fr | SLEf 2 | SLEf | 1 | 1 | 0 | 0 | 0 |
| SLE qp | SLEqp 1 | SLEqp | 1 | 1 | 0.3 | 0 | 0 |
| SLE qp | SLEqp 2 | SLEqp | 1 | 1 | 0 | 0 | 0 |
| STR (A1+M1) | STR 1 | STR | 1.3 | 1.5 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 2 | STR | 1.3 | 1.5 | 0 | 0 | 0 |
| STR (A1+M1) | STR 3 | STR | 1.3 | 0 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 4 | STR | 1.3 | 0 | 0 | 0 | 0 |
| STR (A1+M1) | STR 5 | STR | 1 | 1.5 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 6 | STR | 1 | 1.5 | 0 | 0 | 0 |
| STR (A1+M1) | STR 7 | STR | 1 | 0 | 1.5 | 0 | 0 |
| STR (A1+M1) | STR 8 | STR | 1 | 0 | 0 | 0 | 0 |
| GEO (A2+M2) | GEO 1 | GEO | 1 | 1.3 | 1.3 | 0 | 0 |
| GEO (A2+M2) | GEO 2 | GEO | 1 | 1.3 | 0 | 0 | 0 |
| GEO (A2+M2) | GEO 3 | GEO | 1 | 0.8 | 1.3 | 0 | 0 |
| GEO (A2+M2) | GEO 4 | GEO | 1 | 0.8 | 0 | 0 | 0 |
| SLV (M1) | SLVm1 1 | SLVm1 | 1 | 1 | 0.3 | 1 | 1 |
| SLV (M1) | SLVm1 2 | SLVm1 | 1 | 1 | 0.3 | 1 | -1 |
| SLV (M1) | SLVm1 3 | SLVm1 | 1 | 1 | 0.3 | -1 | 1 |
| SLV (M1) | SLVm1 4 | SLVm1 | 1 | 1 | 0.3 | -1 | -1 |

Tabella fasi di calcolo

| Fase/gg | Operazione |
|---------|---|
| 0 | Scavo nullo di inizializzazione del terreno (Fase = 0) |
| 1 | Applicazione carico al suolo > uniforme (Lato = Destra; Pressione permanente = 30; Pressione permanente portato = 200; Pressione variabile = 500; Fase = 1) |
| 2 | Scavo del terreno (Spessore complessivo = 2.7; Lato = Sinistra; Fase = 2) |
| 3 | Inserimento delle spinte sismiche (Quota (Z) = 0; Ampiezza = 3.3; Fase = 3) |

Azioni esterne

Tabella carichi uniformi applicati sul pendio

| Da fase | A fase | Lato | ValP | ValPP | ValV |
|---------|--------|------|------|-------|------|
| 1 | ultima | dx | 30 | 200 | 500 |

Tabella carichi sismici applicati su paratia

| Da fase | A fase | Quota superiore | Quota inferiore |
|---------|--------|-----------------|-----------------|
| 3 | ultima | 0 | 3.3 |

Significato dei simboli utilizzati:

- Descrizione:** nome assegnato alla condizione elementare
- Nome breve:** nome breve assegnato alla condizione elementare
- Durata:** descrive la durata della condizione (necessario per strutture in legno)
- Psi0:** coefficiente moltiplicatore Psi0
- Psi1:** coefficiente moltiplicatore Psi1
- Psi2:** coefficiente moltiplicatore Psi2
- Nome:** nome assegnato alla combinazione di calcolo
- Nome breve:** nome breve assegnato alla combinazione di calcolo
- Tipo:** famiglia di appartenenza
- Prm:** coefficiente parziale applicato ai carichi permanenti
- PrmP:** coefficiente parziale applicato ai carichi permanenti non strutturali
- Var:** coefficiente parziale applicato ai carichi variabili
- SisH:** coefficiente parziale applicato ai carichi sismici orizzontali
- SisV:** coefficiente parziale applicato ai carichi sismici verticali
- Fase/gg:** fase di calcolo (giorno)
- Operazione:** operazione di costruzione eseguita in una certa fase
- Da fase:** prima fase in cui il carico è attivo
- A fase:** ultima fase in cui il carico è attivo
- Lato:** lato di applicazione del carico
- ValP:** valore del carico permanente (pressione) [daN/m²]
- ValPP:** valore del carico permanente portato (pressione) [daN/m²]
- ValV:** valore del carico variabile (pressione) [daN/m²]
- Quota superiore:** quota superiore di applicazione del carico [m]
- Quota inferiore:** quota inferiore di applicazione del carico [m]

Modello ad elementi finiti

Il modello è costituito da 30 aste delle seguenti caratteristiche:

Lunghezza: 0.2

Area: 0.125664

Area di taglio FEM: 0.113097

Momento di inerzia FEM: 0.00124058

Modulo elastico longitudinale E: 3144716100

Modulo elastico tangenziale G: 1429416409

La presenza del terreno è modellata da molle elastoplastiche precaricate poste nei nodi.

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M1

| quota | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|------|------|-----|-------------------------|------|------|-----|
| | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 0 | 0 | 36422 | -157 | 0 | 0 | 36422 | -157 | 0 | 0 |
| 0.2 | 0 | 86776 | -393 | 0 | 0 | 86776 | -393 | 0 | 0 |
| 0.4 | 0 | 100708 | -499 | 0 | 0 | 100708 | -499 | 0 | 0 |
| 0.6 | 0 | 114641 | -605 | 0 | 0 | 114641 | -605 | 0 | 0 |
| 0.8 | 0 | 128573 | -711 | 0 | 0 | 128573 | -711 | 0 | 0 |
| 1 | 0 | 142505 | -817 | 0 | -5 | 142505 | -817 | 0 | -5 |
| 1.2 | 0 | 156438 | -923 | -2 | -34 | 156438 | -923 | -2 | -34 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|------|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 1.4 | 0 | 170370 | -1029 | -19 | -66 | 170370 | -1029 | -19 | -66 |
| 1.6 | 0 | 184303 | -1135 | -40 | -98 | 184303 | -1135 | -40 | -98 |
| 1.8 | 0 | 198235 | -1241 | -62 | -130 | 198235 | -1241 | -62 | -130 |
| 2 | 0 | 212168 | -1347 | -83 | -162 | 212168 | -1347 | -83 | -162 |
| 2.2 | 0 | 226100 | -1453 | -104 | -194 | 226100 | -1453 | -104 | -194 |
| 2.4 | 0 | 240032 | -1559 | -125 | -226 | 240032 | -1559 | -125 | -226 |
| 2.6 | 0 | 253965 | -1665 | -146 | -258 | 253965 | -1665 | -146 | -258 |
| 2.8 | 0 | 267897 | -1771 | -167 | -290 | 267897 | -1771 | -167 | -290 |
| 3 | 0 | 1827281 | -3783 | -91 | -157 | 1827281 | -3783 | -91 | -157 |
| 3.2 | 0 | 1867356 | -5840 | 0 | 0 | 1867356 | -5840 | 0 | 0 |
| 3.4 | 0 | 1907430 | -6006 | 0 | 0 | 1907430 | -6006 | 0 | 0 |
| 3.6 | 0 | 1947505 | -6172 | 0 | 0 | 1947505 | -6172 | 0 | 0 |
| 3.8 | 0 | 1987580 | -6338 | 0 | 0 | 1987580 | -6338 | 0 | 0 |
| 4 | 0 | 2027654 | -6504 | 0 | 0 | 2027654 | -6504 | 0 | 0 |
| 4.2 | 0 | 2067729 | -6670 | 0 | 0 | 2067729 | -6670 | 0 | 0 |
| 4.4 | 0 | 2107803 | -6836 | 0 | 0 | 2107803 | -6836 | 0 | 0 |
| 4.6 | 0 | 2147878 | -7002 | 0 | 0 | 2147878 | -7002 | 0 | 0 |
| 4.8 | 0 | 2187953 | -7168 | 0 | 0 | 2187953 | -7168 | 0 | 0 |
| 5 | 0 | 2228027 | -7334 | 0 | 0 | 2228027 | -7334 | 0 | 0 |
| 5.2 | 0 | 2268102 | -7500 | 0 | 0 | 2268102 | -7500 | 0 | 0 |
| 5.4 | 0 | 2308177 | -7665 | 0 | 0 | 2308177 | -7665 | 0 | 0 |
| 5.6 | 0 | 2348251 | -7831 | 0 | 0 | 2348251 | -7831 | 0 | 0 |
| 5.8 | 0 | 2388326 | -7997 | 0 | 0 | 2388326 | -7997 | 0 | 0 |
| 6 | 0 | 1214200 | -4061 | 0 | 0 | 1214200 | -4061 | 0 | 0 |
| 0 | 1 | 36422 | -157 | 0 | 0 | 36422 | -259 | 0 | 0 |
| 0.2 | 1 | 86776 | -393 | 0 | 0 | 86776 | -597 | 0 | 0 |
| 0.4 | 1 | 100708 | -499 | 0 | 0 | 100708 | -703 | 0 | 0 |
| 0.6 | 1 | 114641 | -605 | 0 | 0 | 114641 | -809 | 0 | -4 |
| 0.8 | 1 | 128573 | -711 | 0 | 0 | 128573 | -915 | -1 | -32 |
| 1 | 1 | 142505 | -817 | 0 | -5 | 142505 | -1021 | -18 | -64 |
| 1.2 | 1 | 156438 | -923 | -2 | -34 | 156438 | -1127 | -39 | -96 |
| 1.4 | 1 | 170370 | -1029 | -19 | -66 | 170370 | -1233 | -60 | -128 |
| 1.6 | 1 | 184303 | -1135 | -40 | -98 | 184303 | -1339 | -81 | -160 |
| 1.8 | 1 | 198235 | -1241 | -62 | -130 | 198235 | -1445 | -102 | -192 |
| 2 | 1 | 212168 | -1347 | -83 | -162 | 212168 | -1551 | -123 | -224 |
| 2.2 | 1 | 226100 | -1453 | -104 | -194 | 226100 | -1657 | -144 | -256 |
| 2.4 | 1 | 240032 | -1559 | -125 | -226 | 240032 | -1762 | -165 | -288 |
| 2.6 | 1 | 253965 | -1665 | -146 | -258 | 253965 | -1868 | -186 | -320 |
| 2.8 | 1 | 267897 | -1771 | -167 | -290 | 267897 | -1974 | -207 | -352 |
| 3 | 1 | 1827281 | -3783 | -91 | -157 | 1827281 | -4029 | -112 | -188 |
| 3.2 | 1 | 1867356 | -5840 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 1 | 1907430 | -6006 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 1 | 1947505 | -6172 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 1 | 1987580 | -6338 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 1 | 2027654 | -6504 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 1 | 2067729 | -6670 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 1 | 2107803 | -6836 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 1 | 2147878 | -7002 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 1 | 2187953 | -7168 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 1 | 2228027 | -7334 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 1 | 2268102 | -7500 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 1 | 2308177 | -7665 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 1 | 2348251 | -7831 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 1 | 2388326 | -7997 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 1 | 1214200 | -4061 | 0 | 0 | 1214200 | -4205 | 0 | 0 |
| 0 | 2 | | | | | 36422 | -259 | 0 | 0 |
| 0.2 | 2 | | | | | 86776 | -597 | 0 | 0 |
| 0.4 | 2 | | | | | 100708 | -703 | 0 | 0 |
| 0.6 | 2 | | | | | 114641 | -809 | 0 | -4 |
| 0.8 | 2 | | | | | 128573 | -915 | -1 | -32 |
| 1 | 2 | | | | | 142505 | -1021 | -18 | -64 |
| 1.2 | 2 | | | | | 156438 | -1127 | -39 | -96 |
| 1.4 | 2 | | | | | 170370 | -1233 | -60 | -128 |
| 1.6 | 2 | | | | | 184303 | -1339 | -81 | -160 |
| 1.8 | 2 | | | | | 198235 | -1445 | -102 | -192 |
| 2 | 2 | | | | | 212168 | -1551 | -123 | -224 |
| 2.2 | 2 | | | | | 226100 | -1657 | -144 | -256 |
| 2.4 | 2 | | | | | 240032 | -1762 | -165 | -288 |
| 2.6 | 2 | | | | | 253965 | -1868 | -186 | -320 |
| 2.8 | 2 | | | | | 267897 | -1974 | -207 | -352 |
| 3 | 2 | 1232172 | -2750 | 0 | 0 | 1827281 | -4029 | -112 | -188 |
| 3.2 | 2 | 1272247 | -3610 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 2 | 1312322 | -3776 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 2 | 1352396 | -3942 | 0 | 0 | 1947505 | -6460 | 0 | 0 |
| 3.8 | 2 | 1392471 | -4108 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 2 | 1432546 | -4274 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 2 | 1472620 | -4440 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 2 | 1512695 | -4606 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 2 | 1552770 | -4772 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 2 | 1592844 | -4938 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 2 | 1632919 | -5104 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 2 | 1672993 | -5270 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 2 | 1713068 | -5436 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 2 | 1753143 | -5602 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 2 | 1793217 | -5768 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 2 | 916646 | -2946 | 0 | 0 | 1214200 | -4205 | 0 | 0 |
| 0 | 3 | | | | | 36422 | -259 | 0 | 0 |
| 0.2 | 3 | | | | | 86776 | -597 | 0 | 0 |
| 0.4 | 3 | | | | | 100708 | -703 | 0 | 0 |
| 0.6 | 3 | | | | | 114641 | -809 | 0 | -4 |
| 0.8 | 3 | | | | | 128573 | -915 | -1 | -32 |
| 1 | 3 | | | | | 142505 | -1021 | -18 | -64 |
| 1.2 | 3 | | | | | 156438 | -1127 | -39 | -96 |
| 1.4 | 3 | | | | | 170370 | -1233 | -60 | -128 |
| 1.6 | 3 | | | | | 184303 | -1339 | -81 | -160 |
| 1.8 | 3 | | | | | 198235 | -1445 | -102 | -192 |
| 2 | 3 | | | | | 212168 | -1551 | -123 | -224 |
| 2.2 | 3 | | | | | 226100 | -1657 | -144 | -256 |
| 2.4 | 3 | | | | | 240032 | -1762 | -165 | -288 |
| 2.6 | 3 | | | | | 253965 | -1868 | -186 | -320 |
| 2.8 | 3 | | | | | 267897 | -1974 | -207 | -352 |
| 3 | 3 | 1232172 | -2750 | 0 | 0 | 1827281 | -4029 | -112 | -188 |
| 3.2 | 3 | 1272247 | -3610 | 0 | 0 | 1867356 | -6128 | 0 | 0 |
| 3.4 | 3 | 1312322 | -3776 | 0 | 0 | 1907430 | -6294 | 0 | 0 |
| 3.6 | 3 | 1352396 | -3942 | 0 | 0 | 1947505 | -6460 | 0 | 0 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|----|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 3.8 | 3 | 1392471 | -4108 | 0 | 0 | 1987580 | -6626 | 0 | 0 |
| 4 | 3 | 1432546 | -4274 | 0 | 0 | 2027654 | -6792 | 0 | 0 |
| 4.2 | 3 | 1472620 | -4440 | 0 | 0 | 2067729 | -6958 | 0 | 0 |
| 4.4 | 3 | 1512695 | -4606 | 0 | 0 | 2107803 | -7124 | 0 | 0 |
| 4.6 | 3 | 1552770 | -4772 | 0 | 0 | 2147878 | -7290 | 0 | 0 |
| 4.8 | 3 | 1592844 | -4938 | 0 | 0 | 2187953 | -7456 | 0 | 0 |
| 5 | 3 | 1632919 | -5104 | 0 | 0 | 2228027 | -7622 | 0 | 0 |
| 5.2 | 3 | 1672993 | -5270 | 0 | 0 | 2268102 | -7788 | 0 | 0 |
| 5.4 | 3 | 1713068 | -5436 | 0 | 0 | 2308177 | -7954 | 0 | 0 |
| 5.6 | 3 | 1753143 | -5602 | 0 | 0 | 2348251 | -8120 | 0 | 0 |
| 5.8 | 3 | 1793217 | -5768 | 0 | 0 | 2388326 | -8286 | 0 | 0 |
| 6 | 3 | 916646 | -2946 | 0 | 0 | 1214200 | -4205 | 0 | 0 |

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M2

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|------|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 0 | 0 | 36422 | -118 | 0 | 0 | 36422 | -118 | 0 | 0 |
| 0.2 | 0 | 86776 | -306 | 0 | 0 | 86776 | -306 | 0 | 0 |
| 0.4 | 0 | 100708 | -397 | 0 | 0 | 100708 | -397 | 0 | 0 |
| 0.6 | 0 | 114641 | -489 | 0 | 0 | 114641 | -489 | 0 | 0 |
| 0.8 | 0 | 128573 | -580 | 0 | -10 | 128573 | -580 | 0 | -10 |
| 1 | 0 | 142505 | -672 | -12 | -44 | 142505 | -672 | -12 | -44 |
| 1.2 | 0 | 156438 | -764 | -37 | -79 | 156438 | -764 | -37 | -79 |
| 1.4 | 0 | 170370 | -855 | -61 | -114 | 170370 | -855 | -61 | -114 |
| 1.6 | 0 | 184303 | -947 | -86 | -149 | 184303 | -947 | -86 | -149 |
| 1.8 | 0 | 198235 | -1039 | -111 | -185 | 198235 | -1039 | -111 | -185 |
| 2 | 0 | 212168 | -1130 | -135 | -220 | 212168 | -1130 | -135 | -220 |
| 2.2 | 0 | 226100 | -1222 | -160 | -255 | 226100 | -1222 | -160 | -255 |
| 2.4 | 0 | 240032 | -1314 | -184 | -291 | 240032 | -1314 | -184 | -291 |
| 2.6 | 0 | 253965 | -1405 | -209 | -326 | 253965 | -1405 | -209 | -326 |
| 2.8 | 0 | 267897 | -1497 | -234 | -361 | 267897 | -1497 | -234 | -361 |
| 3 | 0 | 1827281 | -2953 | -126 | -194 | 1827281 | -2953 | -126 | -194 |
| 3.2 | 0 | 1867356 | -4441 | 0 | 0 | 1867356 | -4441 | 0 | 0 |
| 3.4 | 0 | 1907430 | -4576 | 0 | 0 | 1907430 | -4576 | 0 | 0 |
| 3.6 | 0 | 1947505 | -4711 | 0 | 0 | 1947505 | -4711 | 0 | 0 |
| 3.8 | 0 | 1987580 | -4847 | 0 | 0 | 1987580 | -4847 | 0 | 0 |
| 4 | 0 | 2027654 | -4982 | 0 | 0 | 2027654 | -4982 | 0 | 0 |
| 4.2 | 0 | 2067729 | -5117 | 0 | 0 | 2067729 | -5117 | 0 | 0 |
| 4.4 | 0 | 2107803 | -5252 | 0 | 0 | 2107803 | -5252 | 0 | 0 |
| 4.6 | 0 | 2147878 | -5388 | 0 | 0 | 2147878 | -5388 | 0 | 0 |
| 4.8 | 0 | 2187953 | -5523 | 0 | 0 | 2187953 | -5523 | 0 | 0 |
| 5 | 0 | 2228027 | -5658 | 0 | 0 | 2228027 | -5658 | 0 | 0 |
| 5.2 | 0 | 2268102 | -5793 | 0 | 0 | 2268102 | -5793 | 0 | 0 |
| 5.4 | 0 | 2308177 | -5928 | 0 | 0 | 2308177 | -5928 | 0 | 0 |
| 5.6 | 0 | 2348251 | -6064 | 0 | 0 | 2348251 | -6064 | 0 | 0 |
| 5.8 | 0 | 2388326 | -6199 | 0 | 0 | 2388326 | -6199 | 0 | 0 |
| 6 | 0 | 1214200 | -3150 | 0 | 0 | 1214200 | -3150 | 0 | 0 |
| 0 | 1 | 36422 | -118 | 0 | 0 | 36422 | -232 | 0 | 0 |
| 0.2 | 1 | 86776 | -306 | 0 | 0 | 86776 | -532 | 0 | -1 |
| 0.4 | 1 | 100708 | -397 | 0 | 0 | 100708 | -624 | -3 | -25 |
| 0.6 | 1 | 114641 | -489 | 0 | 0 | 114641 | -716 | -24 | -60 |
| 0.8 | 1 | 128573 | -580 | 0 | -10 | 128573 | -807 | -48 | -96 |
| 1 | 1 | 142505 | -672 | -12 | -44 | 142505 | -899 | -73 | -131 |
| 1.2 | 1 | 156438 | -764 | -37 | -79 | 156438 | -990 | -98 | -166 |
| 1.4 | 1 | 170370 | -855 | -61 | -114 | 170370 | -1082 | -122 | -201 |
| 1.6 | 1 | 184303 | -947 | -86 | -149 | 184303 | -1174 | -147 | -237 |
| 1.8 | 1 | 198235 | -1039 | -111 | -185 | 198235 | -1265 | -171 | -272 |
| 2 | 1 | 212168 | -1130 | -135 | -220 | 212168 | -1357 | -196 | -307 |
| 2.2 | 1 | 226100 | -1222 | -160 | -255 | 226100 | -1449 | -221 | -342 |
| 2.4 | 1 | 240032 | -1314 | -184 | -291 | 240032 | -1540 | -245 | -378 |
| 2.6 | 1 | 253965 | -1405 | -209 | -326 | 253965 | -1632 | -270 | -413 |
| 2.8 | 1 | 267897 | -1497 | -234 | -361 | 267897 | -1724 | -294 | -448 |
| 3 | 1 | 1827281 | -2953 | -126 | -194 | 1827281 | -3217 | -156 | -237 |
| 3.2 | 1 | 1867356 | -4441 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 1 | 1907430 | -4576 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 1 | 1947505 | -4711 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 1 | 1987580 | -4847 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 1 | 2027654 | -4982 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 1 | 2067729 | -5117 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 1 | 2107803 | -5252 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 1 | 2147878 | -5388 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 1 | 2187953 | -5523 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 1 | 2228027 | -5658 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 1 | 2268102 | -5793 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 1 | 2308177 | -5928 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 1 | 2348251 | -6064 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 1 | 2388326 | -6199 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 1 | 1214200 | -3150 | 0 | 0 | 1214200 | -3301 | 0 | 0 |
| 0 | 2 | | | | | 36422 | -232 | 0 | 0 |
| 0.2 | 2 | | | | | 86776 | -532 | 0 | -1 |
| 0.4 | 2 | | | | | 100708 | -624 | -3 | -25 |
| 0.6 | 2 | | | | | 114641 | -716 | -24 | -60 |
| 0.8 | 2 | | | | | 128573 | -807 | -48 | -96 |
| 1 | 2 | | | | | 142505 | -899 | -73 | -131 |
| 1.2 | 2 | | | | | 156438 | -990 | -98 | -166 |
| 1.4 | 2 | | | | | 170370 | -1082 | -122 | -201 |
| 1.6 | 2 | | | | | 184303 | -1174 | -147 | -237 |
| 1.8 | 2 | | | | | 198235 | -1265 | -171 | -272 |
| 2 | 2 | | | | | 212168 | -1357 | -196 | -307 |
| 2.2 | 2 | | | | | 226100 | -1449 | -221 | -342 |
| 2.4 | 2 | | | | | 240032 | -1540 | -245 | -378 |
| 2.6 | 2 | | | | | 253965 | -1632 | -270 | -413 |
| 2.8 | 2 | | | | | 267897 | -1724 | -294 | -448 |
| 3 | 2 | 1232172 | -1992 | 0 | 0 | 1827281 | -3217 | -156 | -237 |
| 3.2 | 2 | 1272247 | -2624 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 2 | 1312322 | -2760 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 2 | 1352396 | -2895 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 2 | 1392471 | -3030 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 2 | 1432546 | -3165 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 2 | 1472620 | -3301 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 2 | 1512695 | -3436 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 2 | 1552770 | -3571 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 2 | 1592844 | -3706 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 2 | 1632919 | -3841 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 2 | 1672993 | -3977 | 0 | 0 | 2268102 | -6096 | 0 | 0 |

| | | molle sul fianco sinistro | | | | molle sul fianco destro | | | |
|-------|-----|---------------------------|-------|------|----|-------------------------|-------|------|------|
| quota | Stg | K | Ymin | Ymax | Pr | K | Ymin | Ymax | Pr |
| 5.4 | 2 | 1713068 | -4112 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 2 | 1753143 | -4247 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 2 | 1793217 | -4382 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 2 | 916646 | -2242 | 0 | 0 | 1214200 | -3301 | 0 | 0 |
| 0 | 3 | | | | | 36422 | -232 | 0 | 0 |
| 0.2 | 3 | | | | | 86776 | -532 | 0 | -1 |
| 0.4 | 3 | | | | | 100708 | -624 | -3 | -25 |
| 0.6 | 3 | | | | | 114641 | -716 | -24 | -60 |
| 0.8 | 3 | | | | | 128573 | -807 | -48 | -96 |
| 1 | 3 | | | | | 142505 | -899 | -73 | -131 |
| 1.2 | 3 | | | | | 156438 | -990 | -98 | -166 |
| 1.4 | 3 | | | | | 170370 | -1082 | -122 | -201 |
| 1.6 | 3 | | | | | 184303 | -1174 | -147 | -237 |
| 1.8 | 3 | | | | | 198235 | -1265 | -171 | -272 |
| 2 | 3 | | | | | 212168 | -1357 | -196 | -307 |
| 2.2 | 3 | | | | | 226100 | -1449 | -221 | -342 |
| 2.4 | 3 | | | | | 240032 | -1540 | -245 | -378 |
| 2.6 | 3 | | | | | 253965 | -1632 | -270 | -413 |
| 2.8 | 3 | | | | | 267897 | -1724 | -294 | -448 |
| 3 | 3 | 1232172 | -1992 | 0 | 0 | 1827281 | -3217 | -156 | -237 |
| 3.2 | 3 | 1272247 | -2624 | 0 | 0 | 1867356 | -4744 | 0 | 0 |
| 3.4 | 3 | 1312322 | -2760 | 0 | 0 | 1907430 | -4879 | 0 | 0 |
| 3.6 | 3 | 1352396 | -2895 | 0 | 0 | 1947505 | -5014 | 0 | 0 |
| 3.8 | 3 | 1392471 | -3030 | 0 | 0 | 1987580 | -5149 | 0 | 0 |
| 4 | 3 | 1432546 | -3165 | 0 | 0 | 2027654 | -5285 | 0 | 0 |
| 4.2 | 3 | 1472620 | -3301 | 0 | 0 | 2067729 | -5420 | 0 | 0 |
| 4.4 | 3 | 1512695 | -3436 | 0 | 0 | 2107803 | -5555 | 0 | 0 |
| 4.6 | 3 | 1552770 | -3571 | 0 | 0 | 2147878 | -5690 | 0 | 0 |
| 4.8 | 3 | 1592844 | -3706 | 0 | 0 | 2187953 | -5825 | 0 | 0 |
| 5 | 3 | 1632919 | -3841 | 0 | 0 | 2228027 | -5961 | 0 | 0 |
| 5.2 | 3 | 1672993 | -3977 | 0 | 0 | 2268102 | -6096 | 0 | 0 |
| 5.4 | 3 | 1713068 | -4112 | 0 | 0 | 2308177 | -6231 | 0 | 0 |
| 5.6 | 3 | 1753143 | -4247 | 0 | 0 | 2348251 | -6366 | 0 | 0 |
| 5.8 | 3 | 1793217 | -4382 | 0 | 0 | 2388326 | -6501 | 0 | 0 |
| 6 | 3 | 916646 | -2242 | 0 | 0 | 1214200 | -3301 | 0 | 0 |

Significato dei simboli utilizzati:

quota: quota del nodo al quale la molla è collegata [m]

Stg: fase di calcolo

molle sul fianco sinistro: pressioni a sinistra

K: rigidezza estensionale della molla [daN/m]

Ymin: snervamento minimo della molla [daN]

Ymax: snervamento massimo della molla [daN]

Pr: presollecitazione assiale della molla [daN]

molle sul fianco destro: pressioni a destra

Verifiche geotecniche di stabilità globale dell'opera

Parametri utilizzati nella verifica di stabilità globale dell'opera

Metodo di calcolo di stabilità pendio: Bishop

Coefficiente di sicurezza ritenuto ammissibile (gammaR): 1.3

Passo dei conc: 1

Resistenza al taglio della paratia: 50000

Estensione massima studiata a sx: 100

Estensione massima studiata a dx: 100

Estensione massima studiata in profondità: 100

Esegui il calcolo contestualmente alla risoluzione: True

Verifiche geotecniche di stabilità globale dell'opera

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|-------|-----|----|--------|-------|--------|--------|-----|-----|------|-----|
| GEO 1 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.78 | ok |
| GEO 1 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.78 | ok |
| GEO 1 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.8 | ok |
| GEO 1 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.8 | ok |
| GEO 1 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.81 | ok |
| GEO 1 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.81 | ok |
| GEO 1 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.83 | ok |
| GEO 1 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.83 | ok |
| GEO 1 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.84 | ok |
| GEO 1 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.84 | ok |
| GEO 1 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.85 | ok |
| GEO 1 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.85 | ok |
| GEO 1 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.86 | ok |
| GEO 1 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.86 | ok |
| GEO 3 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.88 | ok |
| GEO 3 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.88 | ok |
| GEO 3 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.9 | ok |
| GEO 3 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 6.9 | ok |
| GEO 3 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.91 | ok |
| GEO 3 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 6.91 | ok |
| GEO 1 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 6.91 | ok |
| GEO 1 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 6.91 | ok |
| GEO 1 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 6.92 | ok |
| GEO 1 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 6.92 | ok |
| GEO 3 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.94 | ok |
| GEO 3 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 6.94 | ok |
| GEO 1 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 6.94 | ok |
| GEO 1 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 6.94 | ok |
| GEO 3 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.94 | ok |
| GEO 3 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 6.94 | ok |
| GEO 3 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.95 | ok |
| GEO 3 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 6.95 | ok |
| GEO 3 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.97 | ok |
| GEO 3 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 6.97 | ok |
| GEO 1 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.97 | ok |
| GEO 1 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 6.97 | ok |
| GEO 1 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7 | ok |
| GEO 1 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7 | ok |
| GEO 1 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.01 | ok |
| GEO 1 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.01 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|-------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 1 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.01 | ok |
| GEO 1 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.01 | ok |
| GEO 1 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.02 | ok |
| GEO 1 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.02 | ok |
| GEO 3 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.02 | ok |
| GEO 3 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.02 | ok |
| GEO 1 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.02 | ok |
| GEO 1 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.02 | ok |
| GEO 3 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.02 | ok |
| GEO 3 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.02 | ok |
| GEO 3 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.05 | ok |
| GEO 3 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.05 | ok |
| GEO 3 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.08 | ok |
| GEO 3 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.08 | ok |
| GEO 1 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.09 | ok |
| GEO 1 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.09 | ok |
| GEO 1 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.09 | ok |
| GEO 1 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.09 | ok |
| GEO 3 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.11 | ok |
| GEO 3 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.11 | ok |
| GEO 3 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.11 | ok |
| GEO 3 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.11 | ok |
| GEO 1 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.11 | ok |
| GEO 1 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.11 | ok |
| GEO 1 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.12 | ok |
| GEO 1 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.12 | ok |
| GEO 3 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.12 | ok |
| GEO 3 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.12 | ok |
| GEO 1 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.12 | ok |
| GEO 1 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.12 | ok |
| GEO 1 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.13 | ok |
| GEO 1 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.13 | ok |
| GEO 3 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.13 | ok |
| GEO 3 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.13 | ok |
| GEO 3 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.13 | ok |
| GEO 3 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.13 | ok |
| GEO 1 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.14 | ok |
| GEO 1 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.14 | ok |
| GEO 1 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.18 | ok |
| GEO 1 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.18 | ok |
| GEO 1 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.19 | ok |
| GEO 1 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.19 | ok |
| GEO 3 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.19 | ok |
| GEO 3 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.19 | ok |
| GEO 3 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.2 | ok |
| GEO 3 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.2 | ok |
| GEO 1 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.2 | ok |
| GEO 1 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.2 | ok |
| GEO 1 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.22 | ok |
| GEO 1 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.22 | ok |
| GEO 3 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.23 | ok |
| GEO 3 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.23 | ok |
| GEO 1 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.23 | ok |
| GEO 1 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.23 | ok |
| GEO 3 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.23 | ok |
| GEO 3 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.23 | ok |
| GEO 3 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.23 | ok |
| GEO 3 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.23 | ok |
| GEO 3 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.24 | ok |
| GEO 3 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.24 | ok |
| GEO 3 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.25 | ok |
| GEO 3 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.25 | ok |
| GEO 1 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.26 | ok |
| GEO 1 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.26 | ok |
| GEO 1 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.27 | ok |
| GEO 1 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.27 | ok |
| GEO 1 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.28 | ok |
| GEO 1 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.28 | ok |
| GEO 1 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.28 | ok |
| GEO 1 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.28 | ok |
| GEO 3 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.29 | ok |
| GEO 3 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.29 | ok |
| GEO 3 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.3 | ok |
| GEO 3 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.3 | ok |
| GEO 3 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.31 | ok |
| GEO 3 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.31 | ok |
| GEO 1 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.34 | ok |
| GEO 1 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.34 | ok |
| GEO 3 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.34 | ok |
| GEO 3 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.34 | ok |
| GEO 3 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.34 | ok |
| GEO 3 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.34 | ok |
| GEO 1 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.35 | ok |
| GEO 1 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.35 | ok |
| GEO 3 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.36 | ok |
| GEO 3 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 7.36 | ok |
| GEO 1 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.36 | ok |
| GEO 1 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.36 | ok |
| GEO 3 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.38 | ok |
| GEO 3 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.38 | ok |
| GEO 1 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.38 | ok |
| GEO 1 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.38 | ok |
| GEO 3 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.39 | ok |
| GEO 3 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.39 | ok |
| GEO 3 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.39 | ok |
| GEO 3 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.39 | ok |
| GEO 1 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.42 | ok |
| GEO 1 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.42 | ok |
| GEO 1 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.43 | ok |
| GEO 1 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.43 | ok |
| GEO 1 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.43 | ok |
| GEO 1 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.43 | ok |
| GEO 3 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.45 | ok |
| GEO 3 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.45 | ok |
| GEO 1 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.46 | ok |
| GEO 1 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.46 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 1 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.46 | ok |
| GEO 1 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.46 | ok |
| GEO 3 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.46 | ok |
| GEO 3 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.46 | ok |
| GEO 3 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.48 | ok |
| GEO 3 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.48 | ok |
| GEO 1 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.5 | ok |
| GEO 1 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.5 | ok |
| GEO 3 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.5 | ok |
| GEO 3 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.5 | ok |
| GEO 1 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.52 | ok |
| GEO 1 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.52 | ok |
| GEO 2 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.53 | ok |
| GEO 2 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.53 | ok |
| GEO 1 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.53 | ok |
| GEO 1 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.53 | ok |
| GEO 3 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.53 | ok |
| GEO 3 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 7.53 | ok |
| GEO 2 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.53 | ok |
| GEO 2 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.53 | ok |
| GEO 1 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.54 | ok |
| GEO 1 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.54 | ok |
| GEO 2 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.54 | ok |
| GEO 2 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.54 | ok |
| GEO 3 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.54 | ok |
| GEO 3 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.54 | ok |
| GEO 3 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.55 | ok |
| GEO 3 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.55 | ok |
| GEO 1 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.55 | ok |
| GEO 1 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.55 | ok |
| GEO 1 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.58 | ok |
| GEO 1 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.58 | ok |
| GEO 3 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.58 | ok |
| GEO 3 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.58 | ok |
| GEO 3 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.58 | ok |
| GEO 3 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.58 | ok |
| GEO 1 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.59 | ok |
| GEO 1 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.59 | ok |
| GEO 2 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.59 | ok |
| GEO 2 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.59 | ok |
| GEO 2 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.59 | ok |
| GEO 2 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.59 | ok |
| GEO 2 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.59 | ok |
| GEO 2 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.59 | ok |
| GEO 1 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.6 | ok |
| GEO 1 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.6 | ok |
| GEO 3 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.62 | ok |
| GEO 3 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.62 | ok |
| GEO 2 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.63 | ok |
| GEO 2 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.63 | ok |
| SLVml 1 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.63 | ok |
| SLVml 2 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.63 | ok |
| GEO 3 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.64 | ok |
| GEO 3 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.64 | ok |
| GEO 3 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.64 | ok |
| GEO 3 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.64 | ok |
| GEO 2 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.64 | ok |
| GEO 2 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.64 | ok |
| SLVml 2 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.64 | ok |
| SLVml 1 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.64 | ok |
| GEO 1 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.65 | ok |
| GEO 1 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.65 | ok |
| GEO 1 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.65 | ok |
| GEO 1 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.65 | ok |
| GEO 4 | 2 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| GEO 4 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| GEO 3 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.66 | ok |
| GEO 3 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 7.66 | ok |
| GEO 4 | 2 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.66 | ok |
| GEO 4 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.66 | ok |
| SLVml 2 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| SLVml 1 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.66 | ok |
| SLVml 2 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.67 | ok |
| SLVml 1 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.67 | ok |
| GEO 4 | 2 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.67 | ok |
| GEO 4 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.67 | ok |
| GEO 3 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.68 | ok |
| GEO 3 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 7.68 | ok |
| SLVml 1 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.69 | ok |
| SLVml 2 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.69 | ok |
| GEO 1 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.69 | ok |
| GEO 1 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.69 | ok |
| SLVml 1 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.69 | ok |
| SLVml 2 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.69 | ok |
| GEO 3 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.7 | ok |
| GEO 3 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 7.7 | ok |
| GEO 2 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.7 | ok |
| GEO 2 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.7 | ok |
| SLVml 1 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.7 | ok |
| SLVml 2 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.7 | ok |
| SLVml 1 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.71 | ok |
| SLVml 2 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.71 | ok |
| GEO 3 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.71 | ok |
| GEO 3 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 7.71 | ok |
| GEO 1 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.71 | ok |
| GEO 1 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.71 | ok |
| GEO 1 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.72 | ok |
| GEO 1 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.72 | ok |
| GEO 3 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.72 | ok |
| GEO 3 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.72 | ok |
| GEO 4 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.72 | ok |
| GEO 4 | 2 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.72 | ok |
| GEO 2 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.73 | ok |
| GEO 2 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.73 | ok |
| GEO 2 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.73 | ok |
| GEO 2 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.73 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 4 | 2 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.73 | ok |
| GEO 4 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.73 | ok |
| GEO 4 | 2 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.73 | ok |
| GEO 4 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.73 | ok |
| GEO 2 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.74 | ok |
| GEO 2 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.74 | ok |
| SLVml 1 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.74 | ok |
| SLVml 2 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 7.74 | ok |
| SLVml 2 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.74 | ok |
| SLVml 1 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.74 | ok |
| SLVml 1 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.76 | ok |
| SLVml 2 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.76 | ok |
| SLVml 2 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.76 | ok |
| SLVml 1 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.76 | ok |
| GEO 2 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.76 | ok |
| GEO 2 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.76 | ok |
| GEO 4 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.77 | ok |
| GEO 4 | 2 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 7.77 | ok |
| GEO 4 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.77 | ok |
| GEO 4 | 2 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.77 | ok |
| GEO 3 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.77 | ok |
| GEO 3 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 7.77 | ok |
| GEO 3 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.77 | ok |
| GEO 3 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 7.77 | ok |
| SLVml 2 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.77 | ok |
| SLVml 1 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.77 | ok |
| SLVml 1 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.78 | ok |
| SLVml 2 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.78 | ok |
| SLVml 2 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.78 | ok |
| SLVml 1 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.78 | ok |
| GEO 1 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.79 | ok |
| GEO 1 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.79 | ok |
| SLVml 1 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.79 | ok |
| SLVml 2 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.79 | ok |
| GEO 2 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.8 | ok |
| GEO 2 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.8 | ok |
| GEO 2 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.8 | ok |
| GEO 2 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.8 | ok |
| SLVml 2 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.81 | ok |
| SLVml 1 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.81 | ok |
| SLVml 2 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.81 | ok |
| SLVml 1 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.81 | ok |
| GEO 3 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.81 | ok |
| GEO 3 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 7.81 | ok |
| GEO 2 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.82 | ok |
| GEO 2 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.82 | ok |
| SLVml 1 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.82 | ok |
| SLVml 2 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.82 | ok |
| GEO 3 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.83 | ok |
| GEO 3 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 7.83 | ok |
| GEO 4 | 3 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.83 | ok |
| GEO 4 | 2 | 46 | -0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.83 | ok |
| SLVml 1 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.84 | ok |
| SLVml 2 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 7.84 | ok |
| GEO 2 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.84 | ok |
| GEO 2 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.84 | ok |
| GEO 3 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.84 | ok |
| GEO 3 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 7.84 | ok |
| SLVml 1 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.84 | ok |
| SLVml 2 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.84 | ok |
| SLVml 2 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.85 | ok |
| SLVml 1 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 7.85 | ok |
| GEO 4 | 2 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.85 | ok |
| GEO 4 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 7.85 | ok |
| GEO 1 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.86 | ok |
| GEO 1 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.86 | ok |
| GEO 4 | 2 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.87 | ok |
| GEO 4 | 3 | 36 | -1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 7.87 | ok |
| GEO 4 | 2 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.87 | ok |
| GEO 4 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 7.87 | ok |
| GEO 2 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.88 | ok |
| GEO 2 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 7.88 | ok |
| SLVml 2 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.89 | ok |
| SLVml 1 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 7.89 | ok |
| SLVml 2 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.89 | ok |
| SLVml 1 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.89 | ok |
| SLVml 2 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.9 | ok |
| SLVml 1 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.9 | ok |
| GEO 4 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.9 | ok |
| GEO 4 | 2 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.9 | ok |
| SLVml 1 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.9 | ok |
| SLVml 2 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 7.9 | ok |
| SLVml 1 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.9 | ok |
| SLVml 2 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 7.9 | ok |
| GEO 1 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 7.9 | ok |
| GEO 1 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 7.9 | ok |
| GEO 3 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.91 | ok |
| GEO 3 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 7.91 | ok |
| GEO 2 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.92 | ok |
| GEO 2 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.92 | ok |
| GEO 2 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.92 | ok |
| GEO 2 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 7.92 | ok |
| GEO 2 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.93 | ok |
| GEO 2 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 7.93 | ok |
| SLVml 2 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.93 | ok |
| SLVml 1 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 7.93 | ok |
| SLVml 1 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.93 | ok |
| SLVml 2 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 7.93 | ok |
| GEO 2 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.94 | ok |
| GEO 2 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 7.94 | ok |
| SLVml 2 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.94 | ok |
| SLVml 1 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 7.94 | ok |
| GEO 4 | 2 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.94 | ok |
| GEO 4 | 3 | 55 | 0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 7.94 | ok |
| GEO 4 | 2 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.95 | ok |
| GEO 4 | 3 | 47 | -0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.95 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 2 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.95 | ok |
| GEO 2 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 7.95 | ok |
| GEO 4 | 3 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.96 | ok |
| GEO 4 | 2 | 37 | -1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 7.96 | ok |
| SLVml 1 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.97 | ok |
| SLVml 2 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 7.97 | ok |
| GEO 2 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.97 | ok |
| GEO 2 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 7.97 | ok |
| GEO 4 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.98 | ok |
| GEO 4 | 2 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 7.98 | ok |
| GEO 3 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.99 | ok |
| GEO 3 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 7.99 | ok |
| GEO 2 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.99 | ok |
| GEO 2 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 7.99 | ok |
| GEO 2 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.01 | ok |
| GEO 2 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.01 | ok |
| SLVml 1 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.01 | ok |
| SLVml 2 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.01 | ok |
| GEO 2 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.01 | ok |
| GEO 2 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.01 | ok |
| GEO 3 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.02 | ok |
| GEO 3 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.02 | ok |
| SLVml 1 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.02 | ok |
| SLVml 2 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.02 | ok |
| GEO 4 | 3 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.03 | ok |
| GEO 4 | 2 | 56 | 0.444 | 4.444 | 10.454 | 20.009 | -45 | 65 | 8.03 | ok |
| GEO 2 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.03 | ok |
| GEO 2 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.03 | ok |
| SLVml 2 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.03 | ok |
| SLVml 1 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.03 | ok |
| SLVml 2 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.04 | ok |
| SLVml 1 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.04 | ok |
| GEO 1 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.04 | ok |
| GEO 1 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.04 | ok |
| SLVml 1 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.04 | ok |
| SLVml 2 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.04 | ok |
| GEO 1 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.05 | ok |
| GEO 1 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.05 | ok |
| GEO 4 | 3 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.06 | ok |
| GEO 4 | 2 | 25 | -2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.06 | ok |
| GEO 4 | 2 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.06 | ok |
| GEO 4 | 3 | 24 | -2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.06 | ok |
| GEO 2 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| GEO 2 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| SLVml 2 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| SLVml 1 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.06 | ok |
| GEO 1 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.06 | ok |
| GEO 1 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.06 | ok |
| GEO 2 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.06 | ok |
| GEO 2 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.06 | ok |
| GEO 1 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.07 | ok |
| GEO 1 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.07 | ok |
| GEO 4 | 2 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.08 | ok |
| GEO 4 | 3 | 48 | -0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.08 | ok |
| GEO 1 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.08 | ok |
| GEO 1 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.08 | ok |
| GEO 1 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.08 | ok |
| GEO 1 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.08 | ok |
| GEO 1 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.08 | ok |
| GEO 1 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.08 | ok |
| GEO 4 | 2 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.08 | ok |
| GEO 4 | 3 | 38 | -1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.08 | ok |
| SLVml 2 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.09 | ok |
| SLVml 1 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.09 | ok |
| GEO 1 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.1 | ok |
| GEO 1 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.1 | ok |
| GEO 4 | 2 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.1 | ok |
| GEO 4 | 3 | 26 | -2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.1 | ok |
| SLVml 2 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.1 | ok |
| SLVml 1 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.1 | ok |
| GEO 2 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.11 | ok |
| GEO 2 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.11 | ok |
| GEO 4 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.11 | ok |
| GEO 4 | 2 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.11 | ok |
| GEO 1 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.12 | ok |
| GEO 1 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.12 | ok |
| GEO 2 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.12 | ok |
| GEO 2 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.12 | ok |
| GEO 4 | 2 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.13 | ok |
| GEO 4 | 3 | 57 | 0.444 | 5.333 | 11.342 | 20.764 | -43 | 62 | 8.13 | ok |
| GEO 4 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.14 | ok |
| GEO 4 | 2 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.14 | ok |
| GEO 1 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.14 | ok |
| GEO 1 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.14 | ok |
| GEO 4 | 2 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.14 | ok |
| GEO 4 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.14 | ok |
| SLVml 1 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.15 | ok |
| SLVml 2 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 8.15 | ok |
| GEO 1 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.15 | ok |
| GEO 1 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.15 | ok |
| GEO 3 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.15 | ok |
| GEO 3 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.15 | ok |
| GEO 1 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.15 | ok |
| GEO 1 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.15 | ok |
| SLVml 1 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.17 | ok |
| SLVml 2 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.17 | ok |
| GEO 1 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.17 | ok |
| GEO 1 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.17 | ok |
| GEO 4 | 3 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.17 | ok |
| GEO 4 | 2 | 27 | -2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.17 | ok |
| GEO 3 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.18 | ok |
| GEO 3 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.18 | ok |
| SLVml 2 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.18 | ok |
| SLVml 1 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.18 | ok |
| SLVml 1 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.19 | ok |
| SLVml 2 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.19 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 3 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.19 | ok |
| GEO 3 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.19 | ok |
| SLVml 1 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.19 | ok |
| SLVml 2 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.19 | ok |
| GEO 2 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.19 | ok |
| GEO 2 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.19 | ok |
| GEO 2 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.2 | ok |
| GEO 2 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.2 | ok |
| GEO 3 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.2 | ok |
| GEO 3 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.2 | ok |
| SLVml 2 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.2 | ok |
| SLVml 1 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.2 | ok |
| GEO 3 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.21 | ok |
| GEO 3 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.21 | ok |
| SLVml 2 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.21 | ok |
| SLVml 1 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.21 | ok |
| GEO 4 | 2 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.21 | ok |
| GEO 4 | 3 | 39 | -1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.21 | ok |
| GEO 3 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.21 | ok |
| GEO 3 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.21 | ok |
| GEO 3 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.21 | ok |
| GEO 3 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.21 | ok |
| GEO 4 | 3 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.21 | ok |
| GEO 4 | 2 | 49 | -0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.21 | ok |
| GEO 2 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.21 | ok |
| GEO 2 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.21 | ok |
| GEO 2 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.22 | ok |
| GEO 2 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.22 | ok |
| GEO 3 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.22 | ok |
| GEO 3 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.22 | ok |
| GEO 1 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.23 | ok |
| GEO 1 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.23 | ok |
| GEO 2 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.23 | ok |
| GEO 2 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.23 | ok |
| SLVml 2 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.24 | ok |
| SLVml 1 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.24 | ok |
| GEO 1 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.24 | ok |
| GEO 1 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.24 | ok |
| GEO 2 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.25 | ok |
| GEO 2 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.25 | ok |
| GEO 3 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.25 | ok |
| GEO 3 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.25 | ok |
| SLVml 2 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.25 | ok |
| SLVml 1 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.25 | ok |
| GEO 4 | 2 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.25 | ok |
| GEO 4 | 3 | 58 | 0.444 | 6.222 | 12.23 | 21.493 | -41 | 59 | 8.25 | ok |
| GEO 2 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.26 | ok |
| GEO 2 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.26 | ok |
| GEO 4 | 2 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.27 | ok |
| GEO 4 | 3 | 28 | -2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.27 | ok |
| GEO 3 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.27 | ok |
| GEO 3 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.27 | ok |
| GEO 3 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.27 | ok |
| GEO 3 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 8.27 | ok |
| GEO 3 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.28 | ok |
| GEO 3 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.28 | ok |
| GEO 3 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.3 | ok |
| GEO 3 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.3 | ok |
| GEO 2 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.3 | ok |
| GEO 2 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.3 | ok |
| GEO 2 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.33 | ok |
| GEO 2 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.33 | ok |
| GEO 4 | 2 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.34 | ok |
| GEO 4 | 3 | 40 | -1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.34 | ok |
| GEO 2 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.35 | ok |
| GEO 2 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.35 | ok |
| GEO 4 | 3 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.35 | ok |
| GEO 4 | 2 | 50 | -0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.35 | ok |
| GEO 4 | 2 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.35 | ok |
| GEO 4 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.35 | ok |
| SLVml 2 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.35 | ok |
| SLVml 1 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.35 | ok |
| GEO 3 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.36 | ok |
| GEO 3 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.36 | ok |
| GEO 2 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.36 | ok |
| GEO 2 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.36 | ok |
| GEO 3 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.37 | ok |
| GEO 3 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.37 | ok |
| GEO 4 | 3 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.37 | ok |
| GEO 4 | 2 | 29 | -2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.37 | ok |
| GEO 2 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.37 | ok |
| GEO 2 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.37 | ok |
| GEO 4 | 2 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.38 | ok |
| GEO 4 | 3 | 59 | 0.444 | 7.111 | 13.119 | 22.2 | -40 | 57 | 8.38 | ok |
| SLVml 1 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.38 | ok |
| SLVml 2 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 8.38 | ok |
| SLVml 2 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.39 | ok |
| SLVml 1 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.39 | ok |
| SLVml 1 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.39 | ok |
| SLVml 2 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 8.39 | ok |
| GEO 4 | 3 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.39 | ok |
| GEO 4 | 2 | 64 | 1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 8.39 | ok |
| SLVml 1 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.39 | ok |
| SLVml 2 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.39 | ok |
| GEO 1 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.4 | ok |
| GEO 1 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.4 | ok |
| GEO 2 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.4 | ok |
| GEO 2 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.4 | ok |
| GEO 4 | 3 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.41 | ok |
| GEO 4 | 2 | 65 | 1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 8.41 | ok |
| GEO 2 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.43 | ok |
| GEO 2 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.43 | ok |
| SLVml 1 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.43 | ok |
| SLVml 2 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.43 | ok |
| GEO 2 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.43 | ok |
| GEO 2 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.43 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 4 | 2 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.45 | ok |
| GEO 4 | 3 | 66 | 1.333 | 4.444 | 10.529 | 20.264 | -45 | 65 | 8.45 | ok |
| GEO 2 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.46 | ok |
| GEO 2 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.46 | ok |
| GEO 1 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.47 | ok |
| GEO 1 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.47 | ok |
| GEO 2 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.47 | ok |
| GEO 2 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.47 | ok |
| SLVml 2 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.48 | ok |
| SLVml 1 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 8.48 | ok |
| GEO 4 | 3 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.49 | ok |
| GEO 4 | 2 | 30 | -2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 8.49 | ok |
| GEO 4 | 3 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.49 | ok |
| GEO 4 | 2 | 63 | 1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 8.49 | ok |
| SLVml 2 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.49 | ok |
| SLVml 1 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.49 | ok |
| SLVml 2 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.5 | ok |
| SLVml 1 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.5 | ok |
| SLVml 1 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| SLVml 2 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| GEO 2 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| GEO 2 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.5 | ok |
| SLVml 2 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.51 | ok |
| SLVml 1 | 3 | 22 | -2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.51 | ok |
| GEO 4 | 3 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.51 | ok |
| GEO 4 | 2 | 60 | 0.444 | 8 | 14.007 | 22.887 | -38 | 55 | 8.51 | ok |
| GEO 4 | 2 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.52 | ok |
| GEO 4 | 3 | 67 | 1.333 | 5.333 | 11.411 | 21.002 | -43 | 62 | 8.52 | ok |
| SLVml 2 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.53 | ok |
| SLVml 1 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 8.53 | ok |
| GEO 3 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.53 | ok |
| GEO 3 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 8.53 | ok |
| GEO 2 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.54 | ok |
| GEO 2 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.54 | ok |
| SLVml 1 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.54 | ok |
| SLVml 2 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 8.54 | ok |
| GEO 2 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.54 | ok |
| GEO 2 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.54 | ok |
| GEO 4 | 3 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.55 | ok |
| GEO 4 | 2 | 16 | -3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.55 | ok |
| GEO 2 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.57 | ok |
| GEO 2 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.57 | ok |
| GEO 4 | 3 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.58 | ok |
| GEO 4 | 2 | 17 | -3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.58 | ok |
| SLVml 2 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.58 | ok |
| SLVml 1 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 8.58 | ok |
| GEO 4 | 3 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.59 | ok |
| GEO 4 | 2 | 15 | -3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.59 | ok |
| GEO 3 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.6 | ok |
| GEO 3 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 8.6 | ok |
| SLVml 2 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.61 | ok |
| SLVml 1 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.61 | ok |
| GEO 4 | 3 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.62 | ok |
| GEO 4 | 2 | 68 | 1.333 | 6.222 | 12.295 | 21.718 | -42 | 60 | 8.62 | ok |
| GEO 2 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.63 | ok |
| GEO 2 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.63 | ok |
| GEO 4 | 3 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.63 | ok |
| GEO 4 | 2 | 18 | -3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.63 | ok |
| SLVml 2 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.65 | ok |
| SLVml 1 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 8.65 | ok |
| GEO 4 | 3 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.66 | ok |
| GEO 4 | 2 | 14 | -3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 8.66 | ok |
| GEO 2 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.68 | ok |
| GEO 2 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.68 | ok |
| GEO 4 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.68 | ok |
| GEO 4 | 2 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.68 | ok |
| GEO 4 | 3 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.7 | ok |
| GEO 4 | 2 | 19 | -3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.7 | ok |
| GEO 1 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.7 | ok |
| GEO 1 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.7 | ok |
| SLVml 1 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.72 | ok |
| SLVml 2 | 3 | 62 | 1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 8.72 | ok |
| GEO 4 | 2 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.72 | ok |
| GEO 4 | 3 | 69 | 1.333 | 7.111 | 13.179 | 22.413 | -40 | 57 | 8.72 | ok |
| GEO 2 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.73 | ok |
| GEO 2 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.73 | ok |
| GEO 2 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.73 | ok |
| GEO 2 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.73 | ok |
| GEO 1 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.75 | ok |
| GEO 1 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.75 | ok |
| SLVml 1 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.76 | ok |
| SLVml 2 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 8.76 | ok |
| SLVml 2 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.78 | ok |
| SLVml 1 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.78 | ok |
| GEO 1 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.78 | ok |
| GEO 1 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.78 | ok |
| GEO 1 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.78 | ok |
| GEO 1 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.78 | ok |
| GEO 4 | 2 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.79 | ok |
| GEO 4 | 3 | 20 | -3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.79 | ok |
| GEO 1 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.79 | ok |
| GEO 1 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.79 | ok |
| SLVml 1 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.79 | ok |
| SLVml 2 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.79 | ok |
| SLVml 1 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.8 | ok |
| SLVml 2 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 8.8 | ok |
| GEO 1 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.8 | ok |
| GEO 1 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.8 | ok |
| SLVml 2 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.81 | ok |
| SLVml 1 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.81 | ok |
| GEO 1 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.82 | ok |
| GEO 1 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.82 | ok |
| GEO 3 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.83 | ok |
| GEO 3 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 8.83 | ok |
| GEO 4 | 3 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.84 | ok |
| GEO 4 | 2 | 70 | 1.333 | 8 | 14.063 | 23.088 | -39 | 55 | 8.84 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|------|-----|
| GEO 2 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.86 | ok |
| GEO 2 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 8.86 | ok |
| SLVml 2 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.87 | ok |
| SLVml 1 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.87 | ok |
| GEO 4 | 2 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.87 | ok |
| GEO 4 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 8.87 | ok |
| GEO 1 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.88 | ok |
| GEO 1 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 8.88 | ok |
| GEO 4 | 3 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.88 | ok |
| GEO 4 | 2 | 13 | -3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 8.88 | ok |
| GEO 3 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.88 | ok |
| GEO 3 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 8.88 | ok |
| GEO 3 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.91 | ok |
| GEO 3 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 8.91 | ok |
| SLVml 1 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.92 | ok |
| SLVml 2 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 8.92 | ok |
| GEO 3 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.92 | ok |
| GEO 3 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 8.92 | ok |
| GEO 3 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.93 | ok |
| GEO 3 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 8.93 | ok |
| GEO 3 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.94 | ok |
| GEO 3 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.94 | ok |
| GEO 2 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.96 | ok |
| GEO 2 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 8.96 | ok |
| SLVml 2 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.96 | ok |
| SLVml 1 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 8.96 | ok |
| GEO 3 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.96 | ok |
| GEO 3 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 8.96 | ok |
| GEO 2 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.97 | ok |
| GEO 2 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 8.97 | ok |
| GEO 2 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.98 | ok |
| GEO 2 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 8.98 | ok |
| GEO 1 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.99 | ok |
| GEO 1 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 8.99 | ok |
| GEO 4 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9 | ok |
| GEO 4 | 2 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9 | ok |
| GEO 2 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.01 | ok |
| GEO 2 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.01 | ok |
| GEO 2 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.01 | ok |
| GEO 2 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.01 | ok |
| GEO 3 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.01 | ok |
| GEO 3 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.01 | ok |
| GEO 2 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.01 | ok |
| GEO 2 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.01 | ok |
| GEO 2 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.02 | ok |
| GEO 2 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.02 | ok |
| GEO 2 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.03 | ok |
| GEO 2 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.03 | ok |
| GEO 2 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.08 | ok |
| GEO 2 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.08 | ok |
| GEO 2 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.08 | ok |
| GEO 2 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.08 | ok |
| GEO 2 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.08 | ok |
| GEO 2 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.08 | ok |
| GEO 2 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.09 | ok |
| GEO 2 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.09 | ok |
| SLVml 1 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.11 | ok |
| SLVml 2 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.11 | ok |
| GEO 4 | 2 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.12 | ok |
| GEO 4 | 3 | 76 | 2.222 | 4.444 | 10.678 | 20.767 | -46 | 65 | 9.12 | ok |
| SLVml 1 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.13 | ok |
| SLVml 2 | 3 | 21 | -2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.13 | ok |
| GEO 3 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.13 | ok |
| GEO 3 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.13 | ok |
| GEO 4 | 3 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.14 | ok |
| GEO 4 | 2 | 77 | 2.222 | 5.333 | 11.549 | 21.473 | -44 | 62 | 9.14 | ok |
| SLVml 1 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.14 | ok |
| SLVml 2 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.14 | ok |
| GEO 4 | 2 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.14 | ok |
| GEO 4 | 3 | 75 | 2.222 | 3.556 | 9.811 | 20.043 | -48 | 69 | 9.14 | ok |
| GEO 4 | 2 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.16 | ok |
| GEO 4 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.16 | ok |
| GEO 2 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.17 | ok |
| GEO 2 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.17 | ok |
| SLVml 2 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.17 | ok |
| SLVml 1 | 3 | 12 | -3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 9.17 | ok |
| GEO 2 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.17 | ok |
| GEO 2 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.17 | ok |
| GEO 4 | 2 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.18 | ok |
| GEO 4 | 3 | 8 | -4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.18 | ok |
| GEO 4 | 2 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.18 | ok |
| GEO 4 | 3 | 7 | -4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.18 | ok |
| GEO 4 | 2 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.18 | ok |
| GEO 4 | 3 | 78 | 2.222 | 6.222 | 12.423 | 22.162 | -42 | 60 | 9.18 | ok |
| GEO 4 | 3 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.2 | ok |
| GEO 4 | 2 | 9 | -4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.2 | ok |
| SLVml 2 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.2 | ok |
| SLVml 1 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.2 | ok |
| SLVml 1 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.21 | ok |
| SLVml 2 | 3 | 61 | 1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 9.21 | ok |
| GEO 1 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.22 | ok |
| GEO 1 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.22 | ok |
| GEO 4 | 2 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.24 | ok |
| GEO 4 | 3 | 74 | 2.222 | 2.667 | 8.947 | 19.302 | -51 | 73 | 9.24 | ok |
| GEO 4 | 2 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.24 | ok |
| GEO 4 | 3 | 6 | -4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.24 | ok |
| GEO 4 | 3 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.25 | ok |
| GEO 4 | 2 | 10 | -4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.25 | ok |
| GEO 4 | 3 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.25 | ok |
| GEO 4 | 2 | 79 | 2.222 | 7.111 | 13.298 | 22.833 | -41 | 58 | 9.25 | ok |
| SLVml 2 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.26 | ok |
| SLVml 1 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.26 | ok |
| SLVml 1 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.3 | ok |
| SLVml 2 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 9.3 | ok |
| GEO 2 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.33 | ok |
| GEO 2 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.33 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 4 | 3 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.34 | ok |
| GEO 4 | 2 | 80 | 2.222 | 8 | 14.175 | 23.488 | -39 | 56 | 9.34 | ok |
| GEO 4 | 3 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.34 | ok |
| GEO 4 | 2 | 5 | -4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 9.34 | ok |
| SLVml 1 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.34 | ok |
| SLVml 2 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.34 | ok |
| GEO 1 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.35 | ok |
| GEO 1 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.35 | ok |
| GEO 3 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.36 | ok |
| GEO 3 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.36 | ok |
| GEO 1 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.41 | ok |
| GEO 1 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.41 | ok |
| GEO 2 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.41 | ok |
| GEO 2 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.41 | ok |
| SLVml 2 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.46 | ok |
| SLVml 1 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.46 | ok |
| GEO 4 | 2 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.49 | ok |
| GEO 4 | 3 | 73 | 2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 9.49 | ok |
| GEO 3 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.49 | ok |
| GEO 3 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 9.49 | ok |
| GEO 3 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.55 | ok |
| GEO 3 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 9.55 | ok |
| SLVml 1 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.55 | ok |
| SLVml 2 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.55 | ok |
| SLVml 2 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.58 | ok |
| SLVml 1 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.58 | ok |
| GEO 1 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.58 | ok |
| GEO 1 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.58 | ok |
| GEO 4 | 2 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.58 | ok |
| GEO 4 | 3 | 4 | -4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 9.58 | ok |
| GEO 1 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.6 | ok |
| GEO 1 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.6 | ok |
| GEO 1 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.62 | ok |
| GEO 1 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.62 | ok |
| SLVml 1 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.62 | ok |
| SLVml 2 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 9.62 | ok |
| SLVml 1 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.62 | ok |
| SLVml 2 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.62 | ok |
| GEO 2 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.64 | ok |
| GEO 2 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.64 | ok |
| GEO 1 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.67 | ok |
| GEO 1 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.67 | ok |
| GEO 2 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.67 | ok |
| GEO 2 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.67 | ok |
| GEO 2 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.7 | ok |
| GEO 2 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.7 | ok |
| GEO 3 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.73 | ok |
| GEO 3 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 9.73 | ok |
| GEO 3 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.75 | ok |
| GEO 3 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 9.75 | ok |
| GEO 3 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.76 | ok |
| GEO 3 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 9.76 | ok |
| GEO 1 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.77 | ok |
| GEO 1 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.77 | ok |
| GEO 2 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.79 | ok |
| GEO 2 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.79 | ok |
| GEO 2 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.79 | ok |
| GEO 2 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.79 | ok |
| GEO 2 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.8 | ok |
| GEO 2 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.8 | ok |
| GEO 4 | 2 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.8 | ok |
| GEO 4 | 3 | 72 | 2.222 | 0.889 | 7.238 | 17.779 | -58 | 83 | 9.8 | ok |
| GEO 3 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.82 | ok |
| GEO 3 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 9.82 | ok |
| GEO 4 | 2 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.83 | ok |
| GEO 4 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.83 | ok |
| GEO 2 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.83 | ok |
| GEO 2 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 9.83 | ok |
| SLVml 1 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.86 | ok |
| SLVml 2 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.86 | ok |
| GEO 4 | 2 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.87 | ok |
| GEO 4 | 3 | 3 | -4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 9.87 | ok |
| GEO 2 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.88 | ok |
| GEO 2 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 9.88 | ok |
| SLVml 2 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.91 | ok |
| SLVml 1 | 3 | 11 | -3.111 | 0 | 6.759 | 18.124 | -64 | -270 | 9.91 | ok |
| GEO 3 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.92 | ok |
| GEO 3 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 9.92 | ok |
| GEO 1 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.95 | ok |
| GEO 1 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 9.95 | ok |
| GEO 4 | 3 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.96 | ok |
| GEO 4 | 2 | 88 | 3.111 | 6.222 | 12.612 | 22.815 | -43 | 60 | 9.96 | ok |
| GEO 4 | 2 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.97 | ok |
| GEO 4 | 3 | 89 | 3.111 | 7.111 | 13.475 | 23.453 | -42 | 58 | 9.97 | ok |
| GEO 4 | 3 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.98 | ok |
| GEO 4 | 2 | 87 | 3.111 | 5.333 | 11.753 | 22.166 | -45 | 63 | 9.98 | ok |
| GEO 2 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10 | ok |
| GEO 2 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10 | ok |
| GEO 4 | 3 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.01 | ok |
| GEO 4 | 2 | 90 | 3.111 | 8 | 14.342 | 24.078 | -40 | 56 | 10.01 | ok |
| GEO 4 | 3 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.06 | ok |
| GEO 4 | 2 | 86 | 3.111 | 4.444 | 10.898 | 21.505 | -47 | 66 | 10.06 | ok |
| GEO 3 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.1 | ok |
| GEO 3 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 10.1 | ok |
| SLVml 2 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.12 | ok |
| SLVml 1 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.12 | ok |
| SLVml 1 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.17 | ok |
| SLVml 2 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.17 | ok |
| GEO 4 | 2 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.18 | ok |
| GEO 4 | 3 | 85 | 3.111 | 3.556 | 10.049 | 20.834 | -50 | 69 | 10.18 | ok |
| GEO 1 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.19 | ok |
| GEO 1 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.19 | ok |
| GEO 1 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.2 | ok |
| GEO 1 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.2 | ok |
| SLVml 1 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.22 | ok |
| SLVml 2 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.22 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|-----|--------|-------|--------|--------|-----|------|-------|-----|
| GEO 1 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.24 | ok |
| GEO 1 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.24 | ok |
| GEO 2 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.25 | ok |
| GEO 2 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.25 | ok |
| GEO 3 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.34 | ok |
| GEO 3 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.34 | ok |
| GEO 2 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.35 | ok |
| GEO 2 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.35 | ok |
| GEO 3 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.36 | ok |
| GEO 3 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 10.36 | ok |
| GEO 3 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.39 | ok |
| GEO 3 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 10.39 | ok |
| GEO 2 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.4 | ok |
| GEO 2 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.4 | ok |
| GEO 4 | 3 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.43 | ok |
| GEO 4 | 2 | 84 | 3.111 | 2.667 | 9.208 | 20.157 | -52 | 73 | 10.43 | ok |
| SLVml 1 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.48 | ok |
| SLVml 2 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.48 | ok |
| GEO 4 | 3 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.52 | ok |
| GEO 4 | 2 | 2 | -4 | 0.889 | 7.966 | 20.107 | -61 | 84 | 10.52 | ok |
| GEO 4 | 3 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.57 | ok |
| GEO 4 | 2 | 71 | 2.222 | 0 | 6.398 | 17.012 | -62 | -270 | 10.57 | ok |
| GEO 1 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.65 | ok |
| GEO 1 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.65 | ok |
| SLVml 2 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.68 | ok |
| SLVml 1 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.68 | ok |
| GEO 2 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.68 | ok |
| GEO 2 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.68 | ok |
| GEO 2 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.68 | ok |
| GEO 2 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.68 | ok |
| GEO 2 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.7 | ok |
| GEO 2 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.7 | ok |
| GEO 2 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.78 | ok |
| GEO 2 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.78 | ok |
| SLVml 2 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.82 | ok |
| SLVml 1 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 10.82 | ok |
| GEO 3 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.82 | ok |
| GEO 3 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 10.82 | ok |
| GEO 4 | 3 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.88 | ok |
| GEO 4 | 2 | 83 | 3.111 | 1.778 | 8.377 | 19.478 | -55 | 78 | 10.88 | ok |
| GEO 2 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.88 | ok |
| GEO 2 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 10.88 | ok |
| GEO 4 | 3 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.88 | ok |
| GEO 4 | 2 | 100 | 4 | 8 | 14.56 | 24.849 | -41 | 57 | 10.88 | ok |
| GEO 4 | 3 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.9 | ok |
| GEO 4 | 2 | 99 | 4 | 7.111 | 13.708 | 24.261 | -43 | 59 | 10.9 | ok |
| GEO 4 | 3 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.97 | ok |
| GEO 4 | 2 | 98 | 4 | 6.222 | 12.86 | 23.666 | -44 | 61 | 10.97 | ok |
| GEO 2 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.08 | ok |
| GEO 2 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.08 | ok |
| GEO 4 | 3 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.08 | ok |
| GEO 4 | 2 | 97 | 4 | 5.333 | 12.019 | 23.065 | -46 | 64 | 11.08 | ok |
| SLVml 2 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.17 | ok |
| SLVml 1 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.17 | ok |
| GEO 1 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.22 | ok |
| GEO 1 | 2 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.22 | ok |
| SLVml 3 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.24 | ok |
| SLVml 4 | 3 | 42 | -0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.24 | ok |
| GEO 2 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.28 | ok |
| GEO 2 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.28 | ok |
| GEO 4 | 2 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.28 | ok |
| GEO 4 | 3 | 96 | 4 | 4.444 | 11.184 | 22.46 | -48 | 67 | 11.28 | ok |
| SLVml 3 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.29 | ok |
| SLVml 4 | 3 | 41 | -0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.29 | ok |
| GEO 2 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.3 | ok |
| GEO 2 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.3 | ok |
| SLVml 1 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.31 | ok |
| SLVml 2 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.31 | ok |
| GEO 2 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.36 | ok |
| GEO 2 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.36 | ok |
| GEO 3 | 2 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.39 | ok |
| GEO 3 | 3 | 93 | 4 | 1.778 | 8.746 | 20.668 | -57 | 78 | 11.39 | ok |
| SLVml 3 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 11.42 | ok |
| SLVml 4 | 3 | 32 | -1.333 | 0.889 | 7.017 | 17.067 | -57 | 83 | 11.42 | ok |
| GEO 4 | 3 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.46 | ok |
| GEO 4 | 2 | 1 | -4 | 0 | 7.211 | 19.593 | -66 | -270 | 11.46 | ok |
| GEO 4 | 2 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.49 | ok |
| GEO 4 | 3 | 82 | 3.111 | 0.889 | 7.559 | 18.806 | -59 | 83 | 11.49 | ok |
| SLVml 4 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 11.51 | ok |
| SLVml 3 | 3 | 43 | -0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 11.51 | ok |
| GEO 1 | 3 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.56 | ok |
| GEO 1 | 2 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.56 | ok |
| GEO 4 | 3 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.56 | ok |
| GEO 4 | 2 | 95 | 4 | 3.556 | 10.359 | 21.855 | -51 | 70 | 11.56 | ok |
| SLVml 3 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 11.58 | ok |
| SLVml 4 | 3 | 33 | -1.333 | 1.778 | 7.891 | 17.904 | -53 | 77 | 11.58 | ok |
| SLVml 4 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 11.71 | ok |
| SLVml 3 | 3 | 44 | -0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 11.71 | ok |
| GEO 3 | 3 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.74 | ok |
| GEO 3 | 2 | 81 | 3.111 | 0 | 6.759 | 18.158 | -64 | -270 | 11.74 | ok |
| SLVml 4 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 11.76 | ok |
| SLVml 3 | 3 | 31 | -1.333 | 0 | 6.146 | 16.21 | -61 | -270 | 11.76 | ok |
| SLVml 4 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 11.8 | ok |
| SLVml 3 | 3 | 34 | -1.333 | 2.667 | 8.769 | 18.716 | -50 | 72 | 11.8 | ok |
| SLVml 3 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.81 | ok |
| SLVml 4 | 3 | 51 | 0.444 | 0 | 6.016 | 15.795 | -60 | -270 | 11.81 | ok |
| SLVml 3 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.85 | ok |
| SLVml 4 | 3 | 52 | 0.444 | 0.889 | 6.903 | 16.701 | -56 | 83 | 11.85 | ok |
| GEO 2 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.86 | ok |
| GEO 2 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 11.86 | ok |
| SLVml 4 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12 | ok |
| SLVml 3 | 3 | 53 | 0.444 | 1.778 | 7.79 | 17.575 | -52 | 77 | 12 | ok |
| SLVml 3 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 12.05 | ok |
| SLVml 4 | 3 | 45 | -0.444 | 3.556 | 9.566 | 19.228 | -47 | 68 | 12.05 | ok |
| SLVml 4 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 12.06 | ok |
| SLVml 3 | 3 | 35 | -1.333 | 3.556 | 9.648 | 19.502 | -47 | 68 | 12.06 | ok |

| Cmb | Stg | Id | Xc | Zc | Rg | Lg | Asx | Adx | CS | Ver |
|---------|-----|----|--------|-------|-------|--------|-----|-----|-------|-----|
| GEO 4 | 3 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.08 | ok |
| GEO 4 | 2 | 94 | 4 | 2.667 | 9.545 | 21.255 | -54 | 74 | 12.08 | ok |
| SLVml 3 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 12.21 | ok |
| SLVml 4 | 3 | 54 | 0.444 | 2.667 | 8.678 | 18.417 | -49 | 72 | 12.21 | ok |
| SLVml 4 | 3 | 23 | -2.222 | 1.778 | 8.089 | 18.546 | -54 | 77 | 12.29 | ok |

Significato dei simboli utilizzati:

Cmb: combinazione di calcolo

Stg: fase di calcolo

Id: indice del centro

Xc: coordinata X del centro [m]

Zc: coordinata Z del centro [m]

Rg: raggio della superfice circolare [m]

Lg: lunghezza della superficie circolare [m]

Asx: angolo con l'orizzontale formato dalla superficie a sx [deg]

Adx: angolo con l'orizzontale (deg) formato dalla superficie a dx [deg]

CS: fattore di sicurezza normalizzato Rd/Ed

Ver: stato di verifica

Verifiche di stabilità locale

Verifiche di rototraslazione intorno a un punto dell'opera (atto di moto rigido)

| Stato | | | | Traslazione X positiva | | Traslazione X negativa | | Rotazione Y positiva | | | Rotazione Y negativa | | | MinSF | | Ver |
|---------|-----|----|----|------------------------|------|------------------------|-------|----------------------|---------|--------|----------------------|----------|--------|-------|-----|-----|
| Cmb | Stg | CT | CR | RdT+ | EdT+ | RdT- | EdT- | Z+ | RdR+ | EdR+ | Z- | RdR- | EdR- | CSmin | For | Ver |
| GEO 1 | 3 | Si | Si | 101256 | 3154 | 53280 | -3154 | 5.4 | 5122706 | 656049 | 4.8 | 10656439 | 523535 | 7.8 | Ry+ | ok |
| GEO 3 | 3 | Si | Si | 100412 | 3008 | 53280 | -3008 | 5.4 | 5119809 | 624999 | 4.8 | 10510984 | 498419 | 8.2 | Ry+ | ok |
| GEO 2 | 3 | Si | Si | 95766 | 2277 | 53280 | -2277 | 5.4 | 5103874 | 469994 | 4.8 | 9710986 | 373360 | 10.9 | Ry+ | ok |
| STR 1 | 3 | Si | Si | 150333 | 3244 | 77050 | -3244 | 5.4 | 7335661 | 673444 | 4.8 | 15530670 | 536802 | 10.9 | Ry+ | ok |
| GEO 4 | 3 | Si | Si | 94921 | 2156 | 53280 | -2156 | 5.4 | 5100977 | 444583 | 4.8 | 9565532 | 352915 | 11.5 | Ry+ | ok |
| STR 3 | 3 | Si | Si | 147300 | 2892 | 77050 | -2892 | 5.4 | 7324993 | 598942 | 4.8 | 15020591 | 476650 | 12.2 | Ry+ | ok |
| STR 2 | 3 | Si | Si | 142751 | 2409 | 77050 | -2409 | 5.4 | 7308990 | 496773 | 4.8 | 14255473 | 394359 | 14.7 | Ry+ | ok |
| STR 5 | 3 | Si | Si | 130930 | 2157 | 71342 | -2157 | 5.4 | 6914310 | 446412 | 4.8 | 13610917 | 355112 | 15.5 | Ry+ | ok |
| STR 4 | 3 | Si | Si | 139718 | 2121 | 77050 | -2121 | 5.4 | 7298322 | 436099 | 4.8 | 13745394 | 345568 | 16.7 | Ry+ | ok |
| STR 7 | 3 | Si | Si | 127897 | 1840 | 71342 | -1840 | 5.4 | 6903641 | 379436 | 4.8 | 13100838 | 301172 | 18.2 | Ry+ | ok |
| SLer 1 | 3 | Si | Si | 127392 | 1793 | 71342 | -1793 | 5.4 | 6901863 | 369493 | 4.8 | 13015825 | 293154 | 18.7 | Ry+ | ok |
| SLVml 1 | 3 | Si | Si | 113050 | 1664 | 66416 | -1657 | 5.4 | 6435456 | 340288 | 4.8 | 11248588 | 273408 | 18.9 | Ry+ | ok |
| SLVml 2 | 3 | Si | Si | 113050 | 1664 | 66416 | -1657 | 5.4 | 6435456 | 340288 | 4.8 | 11248588 | 273408 | 18.9 | Ry+ | ok |
| SLVml 3 | 3 | Si | Si | 113050 | 1484 | 66416 | -1484 | 5.4 | 6435456 | 304294 | 5 | 12160880 | 260632 | 21.1 | Ry+ | ok |
| SLVml 4 | 3 | Si | Si | 113050 | 1484 | 66416 | -1484 | 5.4 | 6435456 | 304294 | 5 | 12160880 | 260632 | 21.1 | Ry+ | ok |
| SLef 1 | 3 | Si | Si | 124865 | 1569 | 71342 | -1569 | 5.4 | 6892973 | 322154 | 5 | 13616922 | 276062 | 21.4 | Ry+ | ok |
| SLEqp 1 | 3 | Si | Si | 123854 | 1484 | 71342 | -1484 | 5.4 | 6889417 | 304294 | 5 | 13431024 | 260632 | 22.6 | Ry+ | ok |
| STR 6 | 3 | Si | Si | 123348 | 1443 | 71342 | -1443 | 5.4 | 6887639 | 295593 | 5 | 13338075 | 253118 | 23.3 | Ry+ | ok |
| SLEqp 2 | 3 | Si | Si | 122337 | 1362 | 71342 | -1362 | 5.4 | 6884083 | 278649 | 5 | 13152176 | 238492 | 24.7 | Ry+ | ok |
| SLef 2 | 3 | Si | Si | 122337 | 1362 | 71342 | -1362 | 5.4 | 6884083 | 278649 | 5 | 13152176 | 238492 | 24.7 | Ry+ | ok |
| SLer 2 | 3 | Si | Si | 122337 | 1362 | 71342 | -1362 | 5.4 | 6884083 | 278649 | 5 | 13152176 | 238492 | 24.7 | Ry+ | ok |
| STR 8 | 3 | Si | Si | 120315 | 1219 | 71342 | -1219 | 5.4 | 6876971 | 248515 | 5 | 12780379 | 212478 | 27.7 | Ry+ | ok |

Verifiche geotecniche di capacità portante verticale dell'opera

| Id | Cmb | Stg | Fvb | Leff | Cnd | An | Coes | Fid | Gs | Qd | ANmax | Gmm | Rd | Ed | CS | Ver |
|----|---------|-----|---------|------|-----|----|------|-----|------|------|-------|-----|---------|--------|-------|-----|
| 1 | STR 1 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 2 | STR 2 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 3 | STR 3 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 4 | STR 4 | 3 | -100468 | 0.4 | LT | - | 7500 | 30 | 2100 | 8264 | 0.06 | 2.3 | 2681346 | 100468 | 26.69 | ok |
| 5 | STR 5 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 6 | STR 6 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 7 | STR 7 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 8 | STR 8 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 9 | SLVml 1 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 10 | SLVml 2 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 11 | SLVml 3 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |
| 12 | SLVml 4 | 3 | -77283 | 0.4 | LT | - | 7500 | 30 | 2100 | 6357 | 0.06 | 2.3 | 2454815 | 77283 | 31.76 | ok |

Fattori di capacità portante verticale

| Id | N | | | S | | | D | | | P | | | E | | |
|----|----|----|----|------|------|------|------|------|---|---|---|---|------|------|------|
| | q | c | g | q | c | g | q | c | g | q | c | g | q | c | g |
| 1 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 2 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 3 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 4 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 5 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 6 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 7 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 8 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 9 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 10 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 11 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |
| 12 | 18 | 30 | 22 | 1.01 | 1.01 | 0.99 | 1.42 | 1.58 | 1 | 1 | 1 | 1 | 0.96 | 0.98 | 0.96 |

Significato dei simboli utilizzati:

Ver: stato di verifica

Stato: stato

Cmb: combinazione di calcolo

Stg: fase di calcolo

CT: la paratia può traslare

CR: la paratia può ruotare

Traslazione X positiva: verifica alla traslazione rigida verso X positiva

RdT+: resistenza massima disponibile per spostamento lungo X positiva [daN]

EdT+: azioni agenti lungo X positiva [daN]

Traslazione X negativa: verifica alla traslazione rigida verso X negativa

RdT-: resistenza massima disponibile per spostamento lungo X negativa [daN]

EdT-: azioni agenti lungo X negativa [daN]

Rotazione Y positiva: verifica alla rotazione rigida attorno Y positiva

Z+: quota del nodo di verifica con peggiore coefficiente di sicurezza

RdR+: momento resistente massimo per rotazione attorno ad Y positiva [daN]

EdR+: momento complessivo agente attorno ad Y positiva [daN]

Rotazione Y negativa: verifica alla rotazione rigida attorno Y negativa

Z-: quota del nodo di verifica con peggiore coefficiente di sicurezza

RdR-: momento resistente massimo disponibile per rotazione attorno ad Y negativa [daN]

EdR-: momento complessivo agente attorno ad Y negativa [daN]
MinSF: fattore di sicurezza minimo
CSmin: coefficiente di sicurezza minimo
For: qualificatore della verifica peggiore
Id: indice
Fvb: forza verticale alla base [daN]
Leff: larghezza efficace [m]
Cnd: condizione di calcolo considerata (BT o LT)
An: eventuali anomalie riscontrate nel calcolo (=-Nessuna anomalia; E=Espulsione del terreno; R=Rottura del terreno; A=Azzeramento dimensione efficace; I=Ipotesi non rispettate; S=Sollevamento della fondazione; D=Dati errati; G=Errore generico)
Coes: coesione di progetto [daN/m²]
Fid: angolo di attrito di progetto [deg]
Gs: peso specifico del suolo di progetto [daN/m³]
Qd: sovraccarico di progetto [daN/m²]
ANmax: accelerazione normalizzata massima attesa al suolo
Gmm: fattore parziale gamma M
Rd: resistenza di progetto [daN]
Ed: azione di progetto (sforzo normale al piano di posa) [daN]
CS: fattore di sicurezza normalizzato Rd/Ed
N: fattore di capacità portante, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

q:
c:
g:
S: fattore correttivo di capacità portante per forma (shape), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
D: fattore correttivo di capacità portante per approfondimento (deep), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
P: fattore correttivo di capacità portante per punzonamento, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)
E: fattore correttivo di capacità portante per sisma (earthquake), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g)

Verifiche Strutturali

Tipo di sezione: Circolare in c.a.
Ingombro esterno singola sezione: 0.4 x 0.4
Copriferro minimo inferiore: 0.035
Copriferro minimo superiore: 0.035
Area complessiva in cls: 0.12566
Larghezza collaborante a taglio: 0.354
Coefficiente parziale sul cls, gammaC: 1.5
Coefficiente parziale sulle barre di armatura, gammaS: 1.15
Resistenza caratteristica a snervamento delle barre di armatura Fyk: 45000000
Resistenza caratteristica del cls Fck: 2490000
Livello di conoscenza: Nuovo
Classe di esposizione del cls: XC2

Verifiche strutturali - Percentuali di armatura

| Z | Armatura longitudinale | | | | | | Staffe | | | | Ver |
|-----|------------------------|-----|-----|------|------|------|--------|--------|------|--------|-----|
| | AaeTot | Aai | Aas | Pat | Pmin | Pmax | Dst | DstMin | Pst | PstMax | |
| 0.2 | 0 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.4 | 0.00022 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.6 | 0.00122 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 0.8 | 0.00221 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 1.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 2.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 3.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.2 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.4 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.6 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 4.8 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5 | 0.00241 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.2 | 0.00221 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.4 | 0.00122 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.6 | 0.00022 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |
| 5.8 | 0 | 0 | 0 | 1.92 | 0.3 | 4 | 0.01 | 0.006 | 0.12 | 0.192 | ok |

Verifiche strutturali di resistenza in STR

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | Ver | |
|--------------|-------|-----|------|----|---|-----------------|------|-------|--------|------|-------|-------|------|-------|----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 0.2 | STR 1 | 3 | -82 | 0 | 0 | -140939 | 0.53 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 2 | 3 | -82 | 0 | 0 | -140939 | 0.37 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 3 | 3 | -82 | 0 | 0 | -140939 | 0.46 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 4 | 3 | -82 | 0 | 0 | -140939 | 0.32 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 5 | 3 | -63 | 0 | 0 | -140939 | 0.44 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 6 | 3 | -63 | 0 | 0 | -140939 | 0.27 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 7 | 3 | -63 | 0 | 0 | -140939 | 0.37 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 8 | 3 | -63 | 0 | 0 | -140939 | 0.22 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 1 | 3 | -82 | 0 | 0 | -140939 | 0.53 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 2 | 3 | -82 | 0 | 0 | -140939 | 0.37 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 3 | 3 | -82 | 0 | 0 | -140939 | 0.46 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 4 | 3 | -82 | 0 | 0 | -140939 | 0.32 | 0 | 0 | 5103 | 30569 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 5 | 3 | -63 | 0 | 0 | -140939 | 0.44 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 6 | 3 | -63 | 0 | 0 | -140939 | 0.27 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 7 | 3 | -63 | 0 | 0 | -140939 | 0.37 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.2 | STR 8 | 3 | -63 | 0 | 0 | -140939 | 0.22 | 0 | 0 | 5100 | 30566 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 1 | 3 | -163 | 0 | 0 | -149688 | 1.19 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 2 | 3 | -163 | 0 | 0 | -149688 | 0.84 | 0 | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |

| Dati sezione | | | | | | Pressoflessione | | | | Taglio | | | | | | Ver |
|--------------|-------|-----|------|--------|-----|-----------------|----------|-------|--|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 0.4 | STR 3 | 3 | -163 | 0 | 0 | -149688 | 1.04 | 0 | | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 4 | 3 | -163 | 0 | 0 | -149688 | 0.72 | 0 | | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 5 | 3 | -126 | 0 | 0 | -149688 | 1 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 6 | 3 | -126 | 0 | 0 | -149688 | 0.62 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 7 | 3 | -126 | 0 | 0 | -149688 | 0.83 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 8 | 3 | -126 | 0 | 0 | -149688 | 0.5 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 1 | 3 | -163 | 0 | 0 | -149688 | 1.19 | 0 | | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 2 | 3 | -163 | 0 | 0 | -149688 | 0.84 | 0 | | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 3 | 3 | -163 | 0 | 0 | -149688 | 1.04 | 0 | | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 4 | 3 | -163 | 0 | 0 | -149688 | 0.72 | 0 | | 0 | 5115 | 30583 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 5 | 3 | -126 | 0 | 0 | -149688 | 1 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 6 | 3 | -126 | 0 | 0 | -149688 | 0.62 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 7 | 3 | -126 | 0 | 0 | -149688 | 0.83 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.4 | STR 8 | 3 | -126 | 0 | 0 | -149688 | 0.5 | 0 | | 0 | 5110 | 30577 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 1 | 3 | -245 | 0 | 0 | -188573 | 0.88 | 0 | | 0 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 2 | 3 | -245 | 0 | 0 | -188573 | 1.65 | 0 | | 0 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 3 | 3 | -245 | 0 | 0 | -188573 | 2.04 | 0 | | 0 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 4 | 3 | -245 | 0 | 0 | -188573 | 1.42 | 0 | | 0 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 5 | 3 | -188 | 0 | 0 | -188573 | 1.97 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 6 | 3 | -188 | 0 | 0 | -188573 | 1.22 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 7 | 3 | -188 | 0 | 0 | -188573 | 1.63 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 8 | 3 | -188 | 0 | 0 | -188573 | 0.99 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 1 | 3 | -245 | 0 | 14 | -188573 | 0.88 | 0 | | 14 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 2 | 3 | -245 | 0 | 0 | -188573 | 1.65 | 0 | | 0 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 3 | 3 | -245 | 0 | 2 | -188573 | 2.04 | 0 | | 2 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 4 | 3 | -245 | 0 | 0 | -188573 | 1.42 | 0 | | 0 | 5127 | 30597 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 5 | 3 | -188 | 0 | 1 | -188573 | 1.97 | 0 | | 1 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 6 | 3 | -188 | 0 | 0 | -188573 | 1.22 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 7 | 3 | -188 | 0 | 0 | -188573 | 1.63 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.6 | STR 8 | 3 | -188 | 0 | 0 | -188573 | 0.99 | 0 | | 0 | 5119 | 30587 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 1 | 3 | -327 | -2.88 | 14 | -227457 | -2006.32 | 0 | | 14 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 2 | 3 | -327 | 0 | 0 | -227457 | 2.73 | 0 | | 0 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 3 | 3 | -327 | -0.48 | 2 | -227457 | -331.27 | 0 | | 2 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 4 | 3 | -327 | 0 | 0 | -227457 | 2.35 | 0 | | 0 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 5 | 3 | -251 | -0.14 | 1 | -227457 | -125.97 | 0 | | 1 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 6 | 3 | -251 | 0 | 0 | -227457 | 2.02 | 0 | | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 7 | 3 | -251 | 0 | 0 | -227457 | 2.7 | 0 | | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 8 | 3 | -251 | 0 | 0 | -227457 | 1.65 | 0 | | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 1 | 3 | -327 | -2.88 | 56 | -227457 | -2006.32 | 0 | | 56 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 2 | 3 | -327 | 0 | 4 | -227457 | 2.73 | 0 | | 4 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 3 | 3 | -327 | -0.48 | 28 | -227457 | -331.27 | 0 | | 28 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 4 | 3 | -327 | 0 | 0 | -227457 | 2.35 | 0 | | 0 | 5140 | 30611 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 5 | 3 | -251 | -0.14 | 17 | -227457 | -125.97 | 0 | | 17 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 6 | 3 | -251 | 0 | 0 | -227457 | 2.02 | 0 | | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 7 | 3 | -251 | 0 | 2 | -227457 | 2.7 | 0 | | 2 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 0.8 | STR 8 | 3 | -251 | 0 | 0 | -227457 | 1.65 | 0 | | 0 | 5128 | 30598 | 35185 | 2.15 | 0 | ok |
| 1 | STR 1 | 3 | -408 | -14.13 | 56 | -208378 | -7209.16 | 0 | | 56 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 2 | 3 | -408 | -0.7 | 4 | -235351 | -403.75 | 0 | | 4 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 3 | 3 | -408 | -5.99 | 28 | -235351 | -3451.86 | 0 | | 28 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 4 | 3 | -408 | 0.01 | 0 | -235351 | 3.11 | 0 | | 0 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 5 | 3 | -314 | -3.49 | 17 | -235351 | -2611.01 | 0 | | 17 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 6 | 3 | -314 | 0 | 0 | -235351 | 2.69 | 0 | | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 7 | 3 | -314 | -0.46 | 2 | -235351 | -346.43 | 0 | | 2 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 8 | 3 | -314 | 0 | 0 | -235351 | 2.19 | 0 | | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 1 | 3 | -408 | -14.13 | 125 | -208378 | -7209.16 | 0 | | 125 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 2 | 3 | -408 | -0.7 | 31 | -235351 | -403.75 | 0 | | 31 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 3 | 3 | -408 | -5.99 | 80 | -235351 | -3451.86 | 0 | | 80 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 4 | 3 | -408 | 0.01 | 11 | -235351 | 3.11 | 0 | | 11 | 5152 | 30625 | 35185 | 2.15 | 0 | ok |
| 1 | STR 5 | 3 | -314 | -3.49 | 54 | -235351 | -2611.01 | 0 | | 54 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 6 | 3 | -314 | 0 | 1 | -235351 | 2.69 | 0 | | 1 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 7 | 3 | -314 | -0.46 | 23 | -235351 | -346.43 | 0 | | 23 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1 | STR 8 | 3 | -314 | 0 | 0 | -235351 | 2.19 | 0 | | 0 | 5138 | 30609 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 1 | 3 | -490 | -39.22 | 125 | -148558 | - | 0 | | 125 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| | | | | | | | 11889.47 | | | | | | | | | |
| 1.2 | STR 2 | 3 | -490 | -6.93 | 31 | -235351 | -3327.57 | 0 | | 31 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 3 | 3 | -490 | -22.02 | 80 | -192716 | -8659.42 | 0 | | 80 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 4 | 3 | -490 | -2.21 | 11 | -235351 | -1063.65 | 0 | | 11 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 5 | 3 | -377 | -14.25 | 54 | -203494 | -7693.57 | 0 | | 54 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 6 | 3 | -377 | -0.17 | 1 | -235351 | -104.79 | 0 | | 1 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 7 | 3 | -377 | -5.02 | 23 | -235351 | -3134.31 | 0 | | 23 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 8 | 3 | -377 | 0 | 0 | -235351 | 2.69 | 0 | | 0 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 1 | 3 | -490 | -39.22 | 222 | -148558 | - | 0 | | 222 | 5164 | 30639 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11889.47 | | | | | | | | | |
| 1.2 | STR 2 | 3 | -490 | -6.93 | 86 | -235351 | -3327.57 | 0 | | 86 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 3 | 3 | -490 | -22.02 | 160 | -192716 | -8659.42 | 0 | | 160 | 5164 | 30639 | 35185 | 2.15 | 0.01 | ok |
| 1.2 | STR 4 | 3 | -490 | -2.21 | 49 | -235351 | -1063.65 | 0 | | 49 | 5164 | 30639 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 5 | 3 | -377 | -14.25 | 112 | -203494 | -7693.57 | 0 | | 112 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 6 | 3 | -377 | -0.17 | 17 | -235351 | -104.79 | 0 | | 17 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 7 | 3 | -377 | -5.02 | 64 | -235351 | -3134.31 | 0 | | 64 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.2 | STR 8 | 3 | -377 | 0 | 3 | -235351 | 2.69 | 0 | | 3 | 5147 | 30620 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 1 | 3 | -572 | -83.64 | 222 | -96948 | - | 0.01 | | 222 | 5177 | 30653 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14182.56 | | | | | | | | | |
| 1.4 | STR 2 | 3 | -572 | -24.16 | 86 | -196646 | -8310.39 | 0 | | 86 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 3 | 3 | -572 | -54.05 | 160 | -134204 | - | 0 | | 160 | 5177 | 30653 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12686.81 | | | | | | | | | |
| 1.4 | STR 4 | 3 | -572 | -12.11 | 49 | -229760 | -4867.1 | 0 | | 49 | 5177 | 30653 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 5 | 3 | -440 | -36.66 | 112 | -145169 | - | 0 | | 112 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| | | | | | | | 12099.72 | | | | | | | | | |
| 1.4 | STR 6 | 3 | -440 | -3.66 | 17 | -235351 | -1956.03 | 0 | | 17 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 7 | 3 | -440 | -17.89 | 64 | -199059 | -8096 | 0 | | 64 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 8 | 3 | -440 | -0.51 | 3 | -235351 | -275.55 | 0 | | 3 | 5157 | 30631 | 35185 | 2.15 | 0 | ok |
| 1.4 | STR 1 | 3 | -572 | -83.64 | 346 | -96948 | - | 0.01 | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|------|---------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 1.6 | STR 3 | 3 | -653 | -107.56 | 268 | -87966 | - | 0.01 | 268 | 5189 | 30668 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14479.82 | | | | | | | | |
| 1.6 | STR 4 | 3 | -653 | -35.17 | 115 | -180281 | -9702.37 | 0 | 115 | 5189 | 30668 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 5 | 3 | -503 | -74.92 | 191 | -95481 | - | 0.01 | 191 | 5166 | 30642 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14231.14 | | | | | | | | |
| 1.6 | STR 6 | 3 | -503 | -14.68 | 55 | -216994 | -6335.44 | 0 | 55 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 7 | 3 | -503 | -43.28 | 127 | -142468 | - | 0 | 127 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| | | | | | | | 12267.34 | | | | | | | | |
| 1.6 | STR 8 | 3 | -503 | -5.24 | 24 | -235351 | -2452.57 | 0 | 24 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 1 | 3 | -653 | -152.87 | 498 | -62675 | -14662.7 | 0.01 | 498 | 5189 | 30668 | 35185 | 2.15 | 0.02 | ok |
| 1.6 | STR 2 | 3 | -653 | -57.88 | 278 | -140125 | - | 0 | 278 | 5189 | 30668 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12412.71 | | | | | | | | |
| 1.6 | STR 3 | 3 | -653 | -107.56 | 402 | -87966 | - | 0.01 | 402 | 5189 | 30668 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14479.82 | | | | | | | | |
| 1.6 | STR 4 | 3 | -653 | -35.17 | 208 | -180281 | -9702.37 | 0 | 208 | 5189 | 30668 | 35185 | 2.15 | 0.01 | ok |
| 1.6 | STR 5 | 3 | -503 | -74.92 | 292 | -95481 | - | 0.01 | 292 | 5166 | 30642 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14231.14 | | | | | | | | |
| 1.6 | STR 6 | 3 | -503 | -14.68 | 114 | -216994 | -6335.44 | 0 | 114 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.6 | STR 7 | 3 | -503 | -43.28 | 211 | -142468 | - | 0 | 211 | 5166 | 30642 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12267.34 | | | | | | | | |
| 1.6 | STR 8 | 3 | -503 | -5.24 | 66 | -235351 | -2452.57 | 0 | 66 | 5166 | 30642 | 35185 | 2.15 | 0 | ok |
| 1.8 | STR 1 | 3 | -735 | -252.4 | 498 | -41283 | -14173.9 | 0.02 | 498 | 5201 | 30682 | 35185 | 2.15 | 0.02 | ok |
| 1.8 | STR 2 | 3 | -735 | -113.57 | 278 | -92707 | - | 0.01 | 278 | 5201 | 30682 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14322.91 | | | | | | | | |
| 1.8 | STR 3 | 3 | -735 | -188.03 | 402 | -57192 | - | 0.01 | 402 | 5201 | 30682 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14628.73 | | | | | | | | |
| 1.8 | STR 4 | 3 | -735 | -76.86 | 208 | -125175 | - | 0.01 | 208 | 5201 | 30682 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13087.86 | | | | | | | | |
| 1.8 | STR 5 | 3 | -565 | -133.25 | 292 | -62213 | - | 0.01 | 292 | 5176 | 30652 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14659.84 | | | | | | | | |
| 1.8 | STR 6 | 3 | -565 | -37.45 | 114 | -164424 | - | 0 | 114 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| | | | | | | | 10887.79 | | | | | | | | |
| 1.8 | STR 7 | 3 | -565 | -85.42 | 211 | -94441 | - | 0.01 | 211 | 5176 | 30652 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14265.53 | | | | | | | | |
| 1.8 | STR 8 | 3 | -565 | -18.38 | 66 | -211631 | -6879.29 | 0 | 66 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| 1.8 | STR 1 | 3 | -735 | -252.4 | 676 | -41283 | -14173.9 | 0.02 | 676 | 5201 | 30682 | 35185 | 2.15 | 0.02 | ok |
| 1.8 | STR 2 | 3 | -735 | -113.57 | 416 | -92707 | - | 0.01 | 416 | 5201 | 30682 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14322.91 | | | | | | | | |
| 1.8 | STR 3 | 3 | -735 | -188.03 | 565 | -57192 | - | 0.01 | 565 | 5201 | 30682 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14628.73 | | | | | | | | |
| 1.8 | STR 4 | 3 | -735 | -76.86 | 329 | -125175 | - | 0.01 | 329 | 5201 | 30682 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13087.86 | | | | | | | | |
| 1.8 | STR 5 | 3 | -565 | -133.25 | 413 | -62213 | - | 0.01 | 413 | 5176 | 30652 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14659.84 | | | | | | | | |
| 1.8 | STR 6 | 3 | -565 | -37.45 | 194 | -164424 | - | 0 | 194 | 5176 | 30652 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10887.79 | | | | | | | | |
| 1.8 | STR 7 | 3 | -565 | -85.42 | 315 | -94441 | - | 0.01 | 315 | 5176 | 30652 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14265.53 | | | | | | | | |
| 1.8 | STR 8 | 3 | -565 | -18.38 | 129 | -211631 | -6879.29 | 0 | 129 | 5176 | 30652 | 35185 | 2.15 | 0 | ok |
| 2 | STR 1 | 3 | -817 | -387.69 | 676 | -28771 | - | 0.03 | 676 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13655.65 | | | | | | | | |
| 2 | STR 2 | 3 | -817 | -196.72 | 416 | -60836 | - | 0.01 | 416 | 5213 | 30696 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14651.31 | | | | | | | | |
| 2 | STR 3 | 3 | -817 | -300.95 | 565 | -38113 | -14042.6 | 0.02 | 565 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| 2 | STR 4 | 3 | -817 | -142.68 | 329 | -83702 | - | 0.01 | 329 | 5213 | 30696 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14620.95 | | | | | | | | |
| 2 | STR 5 | 3 | -628 | -215.87 | 413 | -41251 | - | 0.02 | 413 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14172.56 | | | | | | | | |
| 2 | STR 6 | 3 | -628 | -76.18 | 194 | -112549 | - | 0.01 | 194 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13646.08 | | | | | | | | |
| 2 | STR 7 | 3 | -628 | -148.51 | 315 | -62017 | - | 0.01 | 315 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14658.62 | | | | | | | | |
| 2 | STR 8 | 3 | -628 | -44.16 | 129 | -159498 | - | 0 | 129 | 5185 | 30663 | 35185 | 2.15 | 0 | ok |
| | | | | | | | 11210.64 | | | | | | | | |
| 2 | STR 1 | 3 | -817 | -387.69 | 883 | -28771 | - | 0.03 | 883 | 5213 | 30696 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13655.65 | | | | | | | | |
| 2 | STR 2 | 3 | -817 | -196.72 | 580 | -60836 | - | 0.01 | 580 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14651.31 | | | | | | | | |
| 2 | STR 3 | 3 | -817 | -300.95 | 754 | -38113 | -14042.6 | 0.02 | 754 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| 2 | STR 4 | 3 | -817 | -142.68 | 477 | -83702 | - | 0.01 | 477 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14620.95 | | | | | | | | |
| 2 | STR 5 | 3 | -628 | -215.87 | 556 | -41251 | - | 0.02 | 556 | 5185 | 30663 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14172.56 | | | | | | | | |
| 2 | STR 6 | 3 | -628 | -76.18 | 295 | -112549 | - | 0.01 | 295 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13646.08 | | | | | | | | |
| 2 | STR 7 | 3 | -628 | -148.51 | 441 | -62017 | - | 0.01 | 441 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14658.62 | | | | | | | | |
| 2 | STR 8 | 3 | -628 | -44.16 | 213 | -159498 | - | 0 | 213 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11210.64 | | | | | | | | |
| 2.2 | STR 1 | 3 | -898 | -564.24 | 883 | -21043 | - | 0.04 | 883 | 5226 | 30710 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13214.35 | | | | | | | | |
| 2.2 | STR 2 | 3 | -898 | -312.79 | 580 | -40638 | - | 0.02 | 580 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14147.19 | | | | | | | | |
| 2.2 | STR 3 | 3 | -898 | -451.79 | 754 | -27000 | - | 0.03 | 754 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13576.38 | | | | | | | | |
| 2.2 | STR 4 | 3 | -898 | -238.1 | 477 | -55155 | - | 0.02 | 477 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14616.11 | | | | | | | | |
| 2.2 | STR 5 | 3 | -691 | -327 | 556 | -28872 | - | 0.02 | 556 | 5195 | 30674 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13659.84 | | | | | | | | |
| 2.2 | STR 6 | 3 | -691 | -135.1 | 295 | -75417 | - | 0.01 | 295 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14741.66 | | | | | | | | |
| 2.2 | STR 7 | 3 | -691 | -236.78 | 441 | -41385 | -14178.1 | 0.02 | 441 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| 2.2 | STR 8 | 3 | -691 | -86.8 | 213 | -109600 | - | 0.01 | 213 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13763.87 | | | | | | | | |
| 2.2 | STR 1 | 3 | -898 | -564.24 | 1116 | -21043 | - | 0.04 | 1116 | 5226 | 30710 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13214.35 | | | | | | | | |
| 2.2 | STR 2 | 3 | -898 | -312.79 | 772 | -40638 | - | 0.02 | 772 | 5226 | 30710 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14147.19 | | | | | | | | |
| 2.2 | STR 3 | 3 | -898 | -451.79 | 971 | -27000 | - | 0.03 | 971 | 5226 | 30710 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13576.38 | | | | | | | | |
| 2.2 | STR 4 | 3 | -898 | -238.1 | 653 | -55155 | - | 0.02 | 653 | 5226 | 30710 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14616.11 | | | | | | | | |
| 2.2 | STR 5 | 3 | -691 | -327 | 719 | -28872 | - | 0.02 | 719 | 5195 | 30674 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13659.84 | | | | | | | | |
| 2.2 | STR 6 | 3 | -691 | -135.1 | 417 | -75417 | - | 0.01 | 417 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14741.66 | | | | | | | | |
| 2.2 | STR 7 | 3 | -691 | -236.78 | 588 | -41385 | -14178.1 | 0.02 | 588 | 5195 | 30674 | 35185 | 2.15 | 0.02 | ok |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | Ver |
| 2.2 | STR 8 | 3 | -691 | -86.8 | 319 | -109600 | - | 0.01 | 319 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13763.87 | - | | | | | | | |
| 2.4 | STR 1 | 3 | -980 | -787.52 | 1116 | -16018 | -12869.5 | 0.06 | 1116 | 5238 | 30724 | 35185 | 2.15 | 0.04 | ok |
| 2.4 | STR 2 | 3 | -980 | -467.27 | 772 | -28633 | - | 0.03 | 772 | 5238 | 30724 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13649.93 | - | | | | | | | |
| 2.4 | STR 3 | 3 | -980 | -646.04 | 971 | -19933 | - | 0.05 | 971 | 5238 | 30724 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13138.22 | - | | | | | | | |
| 2.4 | STR 4 | 3 | -980 | -368.6 | 653 | -37246 | - | 0.03 | 653 | 5238 | 30724 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14006.68 | - | | | | | | | |
| 2.4 | STR 5 | 3 | -754 | -470.84 | 719 | -21175 | - | 0.04 | 719 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13223.46 | - | | | | | | | |
| 2.4 | STR 6 | 3 | -754 | -218.42 | 417 | -50205 | - | 0.02 | 417 | 5204 | 30685 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14543.41 | - | | | | | | | |
| 2.4 | STR 7 | 3 | -754 | -354.45 | 588 | -29075 | - | 0.03 | 588 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13668.26 | - | | | | | | | |
| 2.4 | STR 8 | 3 | -754 | -150.5 | 319 | -73803 | - | 0.01 | 319 | 5204 | 30685 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14731.66 | - | | | | | | | |
| 2.4 | STR 1 | 3 | -980 | -787.52 | 1378 | -16018 | -12869.5 | 0.06 | 1378 | 5238 | 30724 | 35185 | 2.15 | 0.04 | ok |
| 2.4 | STR 2 | 3 | -980 | -467.27 | 992 | -28633 | - | 0.03 | 992 | 5238 | 30724 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13649.93 | - | | | | | | | |
| 2.4 | STR 3 | 3 | -980 | -646.04 | 1216 | -19933 | - | 0.05 | 1216 | 5238 | 30724 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13138.22 | - | | | | | | | |
| 2.4 | STR 4 | 3 | -980 | -368.6 | 855 | -37246 | - | 0.03 | 855 | 5238 | 30724 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14006.68 | - | | | | | | | |
| 2.4 | STR 5 | 3 | -754 | -470.84 | 904 | -21175 | - | 0.04 | 904 | 5204 | 30685 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13223.46 | - | | | | | | | |
| 2.4 | STR 6 | 3 | -754 | -218.42 | 560 | -50205 | - | 0.02 | 560 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14543.41 | - | | | | | | | |
| 2.4 | STR 7 | 3 | -754 | -354.45 | 756 | -29075 | - | 0.03 | 756 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13668.26 | - | | | | | | | |
| 2.4 | STR 8 | 3 | -754 | -150.5 | 445 | -73803 | - | 0.01 | 445 | 5204 | 30685 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14731.66 | - | | | | | | | |
| 2.6 | STR 1 | 3 | -1062 | -1063.02 | 1378 | -12623 | - | 0.08 | 1378 | 5250 | 30738 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12636.49 | - | | | | | | | |
| 2.6 | STR 2 | 3 | -1062 | -665.65 | 992 | -21084 | -13217.2 | 0.05 | 992 | 5250 | 30738 | 35185 | 2.15 | 0.03 | ok |
| 2.6 | STR 3 | 3 | -1062 | -889.18 | 1216 | -15311 | - | 0.07 | 1216 | 5250 | 30738 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12820.98 | - | | | | | | | |
| 2.6 | STR 4 | 3 | -1062 | -539.68 | 855 | -26680 | -13560 | 0.04 | 855 | 5250 | 30738 | 35185 | 2.15 | 0.03 | ok |
| 2.6 | STR 5 | 3 | -817 | -651.62 | 904 | -16143 | - | 0.05 | 904 | 5213 | 30696 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12878.07 | - | | | | | | | |
| 2.6 | STR 6 | 3 | -817 | -330.35 | 560 | -34334 | - | 0.02 | 560 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13886.09 | - | | | | | | | |
| 2.6 | STR 7 | 3 | -817 | -505.72 | 756 | -21381 | - | 0.04 | 756 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13237.54 | - | | | | | | | |
| 2.6 | STR 8 | 3 | -817 | -239.49 | 445 | -49502 | - | 0.02 | 445 | 5213 | 30696 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14514.33 | - | | | | | | | |
| 2.6 | STR 1 | 3 | -1062 | -1063.02 | 1666 | -12623 | - | 0.08 | 1666 | 5250 | 30738 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12636.49 | - | | | | | | | |
| 2.6 | STR 2 | 3 | -1062 | -665.65 | 1239 | -21084 | -13217.2 | 0.05 | 1239 | 5250 | 30738 | 35185 | 2.15 | 0.04 | ok |
| 2.6 | STR 3 | 3 | -1062 | -889.18 | 1488 | -15311 | - | 0.07 | 1488 | 5250 | 30738 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12820.98 | - | | | | | | | |
| 2.6 | STR 4 | 3 | -1062 | -539.68 | 1086 | -26680 | -13560 | 0.04 | 1086 | 5250 | 30738 | 35185 | 2.15 | 0.04 | ok |
| 2.6 | STR 5 | 3 | -817 | -651.62 | 1110 | -16143 | - | 0.05 | 1110 | 5213 | 30696 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12878.07 | - | | | | | | | |
| 2.6 | STR 6 | 3 | -817 | -330.35 | 724 | -34334 | - | 0.02 | 724 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13886.09 | - | | | | | | | |
| 2.6 | STR 7 | 3 | -817 | -505.72 | 945 | -21381 | - | 0.04 | 945 | 5213 | 30696 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13237.54 | - | | | | | | | |
| 2.6 | STR 8 | 3 | -817 | -239.49 | 600 | -49502 | - | 0.02 | 600 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14514.33 | - | | | | | | | |
| 2.8 | STR 1 | 3 | -1144 | -1396.22 | 1666 | -10214 | -12471.2 | 0.11 | 1666 | 5262 | 30752 | 35185 | 2.15 | 0.05 | ok |
| 2.8 | STR 2 | 3 | -1144 | -913.41 | 1239 | -16121 | - | 0.07 | 1239 | 5262 | 30752 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12876.56 | - | | | | | | | |
| 2.8 | STR 3 | 3 | -1144 | -1186.68 | 1488 | -12146 | - | 0.09 | 1488 | 5262 | 30752 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12603.74 | - | | | | | | | |
| 2.8 | STR 4 | 3 | -1144 | -756.79 | 1086 | -19843 | - | 0.06 | 1086 | 5262 | 30752 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13132.01 | - | | | | | | | |
| 2.8 | STR 5 | 3 | -880 | -873.56 | 1110 | -12732 | -12644 | 0.07 | 1110 | 5223 | 30707 | 35185 | 2.15 | 0.04 | ok |
| 2.8 | STR 6 | 3 | -880 | -475.11 | 724 | -24940 | - | 0.04 | 724 | 5223 | 30707 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13470.78 | - | | | | | | | |
| 2.8 | STR 7 | 3 | -880 | -694.82 | 945 | -16319 | - | 0.05 | 945 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12890.17 | - | | | | | | | |
| 2.8 | STR 8 | 3 | -880 | -359.51 | 600 | -33936 | - | 0.03 | 600 | 5223 | 30707 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13869.59 | - | | | | | | | |
| 2.8 | STR 1 | 3 | -1144 | -1396.22 | 1982 | -10214 | -12471.2 | 0.11 | 1982 | 5262 | 30752 | 35185 | 2.15 | 0.06 | ok |
| 2.8 | STR 2 | 3 | -1144 | -913.41 | 1513 | -16121 | - | 0.07 | 1513 | 5262 | 30752 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12876.56 | - | | | | | | | |
| 2.8 | STR 3 | 3 | -1144 | -1186.68 | 1787 | -12146 | - | 0.09 | 1787 | 5262 | 30752 | 35185 | 2.15 | 0.06 | ok |
| | | | | | | | 12603.74 | - | | | | | | | |
| 2.8 | STR 4 | 3 | -1144 | -756.79 | 1348 | -19843 | - | 0.06 | 1348 | 5262 | 30752 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13132.01 | - | | | | | | | |
| 2.8 | STR 5 | 3 | -880 | -873.56 | 1337 | -12732 | -12644 | 0.07 | 1337 | 5223 | 30707 | 35185 | 2.15 | 0.04 | ok |
| 2.8 | STR 6 | 3 | -880 | -475.11 | 930 | -24940 | - | 0.04 | 930 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13470.78 | - | | | | | | | |
| 2.8 | STR 7 | 3 | -880 | -694.82 | 1157 | -16319 | - | 0.05 | 1157 | 5223 | 30707 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12890.17 | - | | | | | | | |
| 2.8 | STR 8 | 3 | -880 | -359.51 | 800 | -33936 | - | 0.03 | 800 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13869.59 | - | | | | | | | |
| 3 | STR 1 | 3 | -1225 | -1792.6 | 1982 | -8441 | - | 0.15 | 1982 | 5275 | 30766 | 35185 | 2.15 | 0.06 | ok |
| | | | | | | | 12349.49 | - | | | | | | | |
| 3 | STR 2 | 3 | -1225 | -1216.03 | 1513 | -12740 | - | 0.1 | 1513 | 5275 | 30766 | 35185 | 2.15 | 0.05 | ok |
| | | | | | | | 12644.55 | - | | | | | | | |
| 3 | STR 3 | 3 | -1225 | -1544.04 | 1787 | -9878 | - | 0.12 | 1787 | 5275 | 30766 | 35185 | 2.15 | 0.06 | ok |
| | | | | | | | 12448.11 | - | | | | | | | |
| 3 | STR 4 | 3 | -1225 | -1026.41 | 1348 | -15304 | -12820.5 | 0.08 | 1348 | 5275 | 30766 | 35185 | 2.15 | 0.04 | ok |
| 3 | STR 5 | 3 | -942 | -1140.87 | 1337 | -10308 | - | 0.09 | 1337 | 5232 | 30717 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12477.62 | - | | | | | | | |
| 3 | STR 6 | 3 | -942 | -661.18 | 930 | -18597 | - | 0.05 | 930 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13046.52 | - | | | | | | | |
| 3 | STR 7 | 3 | -942 | -926.21 | 1157 | -12876 | - | 0.07 | 1157 | 5232 | 30717 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12653.89 | - | | | | | | | |
| 3 | STR 8 | 3 | -942 | -519.44 | 800 | -24390 | - | 0.04 | 800 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13442.58 | - | | | | | | | |
| 3 | STR 1 | 3 | -1225 | -1792.6 | 1193 | -8441 | - | 0.15 | 1193 | 5275 | 30766 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12349.49 | - | | | | | | | |
| 3 | STR 2 | 3 | -1225 | -1216.03 | 957 | -12740 | - | 0.1 | 957 | 5275 | 30766 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12644.55 | - | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 3 | STR 3 | 3 | -1225 | -1544.04 | 1097 | -9878 | - | 0.12 | 1097 | 5275 | 30766 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12448.11 | | | | | | | | |
| 3 | STR 4 | 3 | -1225 | -1026.41 | 870 | -15304 | -12820.5 | 0.08 | 870 | 5275 | 30766 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | -10308 | | | | | | | | |
| 3 | STR 5 | 3 | -942 | -1140.87 | 824 | -10308 | - | 0.09 | 824 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12477.62 | | | | | | | | |
| 3 | STR 6 | 3 | -942 | -661.18 | 614 | -18597 | - | 0.05 | 614 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13046.52 | | | | | | | | |
| 3 | STR 7 | 3 | -942 | -926.21 | 733 | -12876 | - | 0.07 | 733 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12653.89 | | | | | | | | |
| 3 | STR 8 | 3 | -942 | -519.44 | 542 | -24390 | - | 0.04 | 542 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13442.58 | | | | | | | | |
| 3.2 | STR 1 | 3 | -1307 | -2031.12 | 1193 | -7923 | - | 0.16 | 1193 | 5287 | 30780 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12313.98 | | | | | | | | |
| 3.2 | STR 2 | 3 | -1307 | -1407.37 | 957 | -11674 | - | 0.11 | 957 | 5287 | 30780 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12571.38 | | | | | | | | |
| 3.2 | STR 3 | 3 | -1307 | -1763.34 | 1097 | -9191 | - | 0.14 | 1097 | 5287 | 30780 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12400.98 | | | | | | | | |
| 3.2 | STR 4 | 3 | -1307 | -1200.43 | 870 | -13849 | - | 0.09 | 870 | 5287 | 30780 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12720.65 | | | | | | | | |
| 3.2 | STR 5 | 3 | -1005 | -1305.76 | 824 | -9567 | - | 0.11 | 824 | 5242 | 30728 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12426.81 | | | | | | | | |
| 3.2 | STR 6 | 3 | -1005 | -783.94 | 614 | -16550 | - | 0.06 | 614 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12906.05 | | | | | | | | |
| 3.2 | STR 7 | 3 | -1005 | -1072.71 | 733 | -11789 | - | 0.09 | 733 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12579.27 | | | | | | | | |
| 3.2 | STR 8 | 3 | -1005 | -627.88 | 542 | -21172 | - | 0.05 | 542 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13223.21 | | | | | | | | |
| 3.2 | STR 1 | 3 | -1307 | -2031.12 | 422 | -7923 | - | 0.16 | 422 | 5287 | 30780 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12313.98 | | | | | | | | |
| 3.2 | STR 2 | 3 | -1307 | -1407.37 | 387 | -11674 | - | 0.11 | 387 | 5287 | 30780 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12571.38 | | | | | | | | |
| 3.2 | STR 3 | 3 | -1307 | -1763.34 | 411 | -9191 | - | 0.14 | 411 | 5287 | 30780 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12400.98 | | | | | | | | |
| 3.2 | STR 4 | 3 | -1307 | -1200.43 | 369 | -13849 | - | 0.09 | 369 | 5287 | 30780 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12720.65 | | | | | | | | |
| 3.2 | STR 5 | 3 | -1005 | -1305.76 | 313 | -9567 | - | 0.11 | 313 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12426.81 | | | | | | | | |
| 3.2 | STR 6 | 3 | -1005 | -783.94 | 274 | -16550 | - | 0.06 | 274 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12906.05 | | | | | | | | |
| 3.2 | STR 7 | 3 | -1005 | -1072.71 | 297 | -11789 | - | 0.09 | 297 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12579.27 | | | | | | | | |
| 3.2 | STR 8 | 3 | -1005 | -627.88 | 256 | -21172 | - | 0.05 | 256 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13223.21 | | | | | | | | |
| 3.4 | STR 1 | 3 | -1389 | -2115.48 | 422 | -8090 | - | 0.17 | 422 | 5299 | 30794 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12325.44 | | | | | | | | |
| 3.4 | STR 2 | 3 | -1389 | -1484.74 | 387 | -11763 | - | 0.12 | 387 | 5299 | 30794 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12577.49 | | | | | | | | |
| 3.4 | STR 3 | 3 | -1389 | -1845.45 | 411 | -9339 | - | 0.15 | 411 | 5299 | 30794 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12411.11 | | | | | | | | |
| 3.4 | STR 4 | 3 | -1389 | -1274.27 | 369 | -13863 | -12721.6 | 0.1 | 369 | 5299 | 30794 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | -9708 | | | | | | | | |
| 3.4 | STR 5 | 3 | -1068 | -1368.37 | 313 | -9708 | - | 0.11 | 313 | 5251 | 30739 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12436.44 | | | | | | | | |
| 3.4 | STR 6 | 3 | -1068 | -838.77 | 274 | -16424 | - | 0.07 | 274 | 5251 | 30739 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12897.39 | | | | | | | | |
| 3.4 | STR 7 | 3 | -1068 | | | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|-------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 3.8 | STR 4 | 3 | -1552 | -1205.6 | -320 | -16620 | - | 0.09 | 320 | 5324 | 30822 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12910.81 | - | | | | | | | |
| 3.8 | STR 5 | 3 | -1194 | -1274.71 | -383 | -11780 | - | 0.1 | 383 | 5270 | 30761 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12578.68 | - | | | | | | | |
| 3.8 | STR 6 | 3 | -1194 | -801.01 | -196 | -19541 | - | 0.06 | 196 | 5270 | 30761 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13111.27 | - | | | | | | | |
| 3.8 | STR 7 | 3 | -1194 | -1063.79 | -299 | -14311 | - | 0.08 | 299 | 5270 | 30761 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 12752.35 | - | | | | | | | |
| 3.8 | STR 8 | 3 | -1194 | -656.76 | -142 | -24439 | -13445.1 | 0.05 | 142 | 5270 | 30761 | 35185 | 2.15 | 0 | ok |
| 3.8 | STR 1 | 3 | -1552 | -1955.83 | -932 | -9878 | -12448.1 | 0.16 | 932 | 5324 | 30822 | 35185 | 2.15 | 0.03 | ok |
| 3.8 | STR 2 | 3 | -1552 | -1394.38 | -629 | -14184 | - | 0.11 | 629 | 5324 | 30822 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12743.62 | - | | | | | | | |
| 3.8 | STR 3 | 3 | -1552 | -1716.35 | -801 | -11347 | - | 0.14 | 801 | 5324 | 30822 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12548.94 | - | | | | | | | |
| 3.8 | STR 4 | 3 | -1552 | -1205.6 | -530 | -16620 | - | 0.09 | 530 | 5324 | 30822 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12910.81 | - | | | | | | | |
| 3.8 | STR 5 | 3 | -1194 | -1274.71 | -592 | -11780 | - | 0.1 | 592 | 5270 | 30761 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12578.68 | - | | | | | | | |
| 3.8 | STR 6 | 3 | -1194 | -801.01 | -340 | -19541 | - | 0.06 | 340 | 5270 | 30761 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13111.27 | - | | | | | | | |
| 3.8 | STR 7 | 3 | -1194 | -1063.79 | -479 | -14311 | - | 0.08 | 479 | 5270 | 30761 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12752.35 | - | | | | | | | |
| 3.8 | STR 8 | 3 | -1194 | -656.76 | -266 | -24439 | -13445.1 | 0.05 | 266 | 5270 | 30761 | 35185 | 2.15 | 0.01 | ok |
| 4 | STR 1 | 3 | -1634 | -1769.46 | -932 | -11602 | - | 0.14 | 932 | 5336 | 30836 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12566.43 | - | | | | | | | |
| 4 | STR 2 | 3 | -1634 | -1268.53 | -629 | -16627 | - | 0.1 | 629 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12911.33 | - | | | | | | | |
| 4 | STR 3 | 3 | -1634 | -1556.09 | -801 | -13316 | - | 0.12 | 801 | 5336 | 30836 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12684.08 | - | | | | | | | |
| 4 | STR 4 | 3 | -1634 | -1099.62 | -530 | -19471 | - | 0.08 | 530 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13106.52 | - | | | | | | | |
| 4 | STR 5 | 3 | -1257 | -1156.36 | -592 | -13822 | - | 0.09 | 592 | 5279 | 30772 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12718.78 | - | | | | | | | |
| 4 | STR 6 | 3 | -1257 | -732.95 | -340 | -22871 | - | 0.05 | 340 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13339.83 | - | | | | | | | |
| 4 | STR 7 | 3 | -1257 | -967.95 | -479 | -16775 | - | 0.07 | 479 | 5279 | 30772 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12921.48 | - | | | | | | | |
| 4 | STR 8 | 3 | -1257 | -603.52 | -266 | -28402 | - | 0.04 | 266 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13640.36 | - | | | | | | | |
| 4 | STR 1 | 3 | -1634 | -1769.46 | -1129 | -11602 | - | 0.14 | 1129 | 5336 | 30836 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 12566.43 | - | | | | | | | |
| 4 | STR 2 | 3 | -1634 | -1268.53 | -782 | -16627 | - | 0.1 | 782 | 5336 | 30836 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12911.33 | - | | | | | | | |
| 4 | STR 3 | 3 | -1634 | -1556.09 | -980 | -13316 | - | 0.12 | 980 | 5336 | 30836 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12684.08 | - | | | | | | | |
| 4 | STR 4 | 3 | -1634 | -1099.62 | -668 | -19471 | - | 0.08 | 668 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13106.52 | - | | | | | | | |
| 4 | STR 5 | 3 | -1257 | -1156.36 | -726 | -13822 | - | 0.09 | 726 | 5279 | 30772 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12718.78 | - | | | | | | | |
| 4 | STR 6 | 3 | -1257 | -732.95 | -436 | -22871 | - | 0.05 | 436 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13339.83 | - | | | | | | | |
| 4 | STR 7 | 3 | -1257 | -967.95 | -596 | -16775 | - | 0.07 | 596 | 5279 | 30772 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12921.48 | - | | | | | | | |
| 4 | STR 8 | 3 | -1257 | -603.52 | -349 | -28402 | - | 0.04 | 349 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13640.36 | - | | | | | | | |
| 4.2 | STR 1 | 3 | -1715 | -1543.68 | -1129 | -14159 | -12741.9 | 0.12 | 1129 | 5348 | 30851 | 35185 | 2.15 | 0.04 | ok |
| 4.2 | STR 2 | 3 | -1715 | -1112.03 | -782 | -20305 | - | 0.08 | 782 | 5348 | 30851 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13163.73 | - | | | | | | | |
| 4.2 | STR 3 | 3 | -1715 | -1360.05 | -980 | -16251 | - | 0.11 | 980 | 5348 | 30851 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12885.52 | - | | | | | | | |
| 4.2 | STR 4 | 3 | -1715 | -966.11 | -668 | -23798 | - | 0.07 | 668 | 5348 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13403.41 | - | | | | | | | |
| 4.2 | STR 5 | 3 | -1319 | -1011.19 | -726 | -16869 | - | 0.08 | 726 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 12927.93 | - | | | | | | | |
| 4.2 | STR 6 | 3 | -1319 | -645.74 | -436 | -27823 | - | 0.05 | 436 | 5289 | 30782 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13616.39 | - | | | | | | | |
| 4.2 | STR 7 | 3 | -1319 | -848.66 | -596 | -20486 | - | 0.06 | 596 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13176.12 | - | | | | | | | |
| 4.2 | STR 8 | 3 | -1319 | -533.65 | -349 | -34334 | - | 0.04 | 349 | 5289 | 30782 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13886.07 | - | | | | | | | |
| 4.2 | STR 1 | 3 | -1715 | -1543.68 | -1233 | -14159 | -12741.9 | 0.12 | 1233 | 5348 | 30851 | 35185 | 2.15 | 0.04 | ok |
| 4.2 | STR 2 | 3 | -1715 | -1112.03 | -867 | -20305 | - | 0.08 | 867 | 5348 | 30851 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13163.73 | - | | | | | | | |
| 4.2 | STR 3 | 3 | -1715 | -1360.05 | -1076 | -16251 | - | 0.11 | 1076 | 5348 | 30851 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12885.52 | - | | | | | | | |
| 4.2 | STR 4 | 3 | -1715 | -966.11 | -745 | -23798 | - | 0.07 | 745 | 5348 | 30851 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13403.41 | - | | | | | | | |
| 4.2 | STR 5 | 3 | -1319 | -1011.19 | -798 | -16869 | - | 0.08 | 798 | 5289 | 30782 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 12927.93 | - | | | | | | | |
| 4.2 | STR 6 | 3 | -1319 | -645.74 | -491 | -27823 | - | 0.05 | 491 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13616.39 | - | | | | | | | |
| 4.2 | STR 7 | 3 | -1319 | -848.66 | -661 | -20486 | - | 0.06 | 661 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13176.12 | - | | | | | | | |
| 4.2 | STR 8 | 3 | -1319 | -533.65 | -398 | -34334 | - | 0.04 | 398 | 5289 | 30782 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13886.07 | - | | | | | | | |
| 4.4 | STR 1 | 3 | -1797 | -1297.17 | -1233 | -18019 | - | 0.1 | 1233 | 5361 | 30865 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13006.81 | - | | | | | | | |
| 4.4 | STR 2 | 3 | -1797 | -938.64 | -867 | -25882 | - | 0.07 | 867 | 5361 | 30865 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13519.05 | - | | | | | | | |
| 4.4 | STR 3 | 3 | -1797 | -1144.83 | -1076 | -20706 | - | 0.09 | 1076 | 5361 | 30865 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13191.22 | - | | | | | | | |
| 4.4 | STR 4 | 3 | -1797 | -817.14 | -745 | -30157 | - | 0.06 | 745 | 5361 | 30865 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13713.04 | - | | | | | | | |
| 4.4 | STR 5 | 3 | -1382 | -851.56 | -798 | -21501 | - | 0.06 | 798 | 5298 | 30793 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13245.82 | - | | | | | | | |
| 4.4 | STR 6 | 3 | -1382 | -547.56 | -491 | -35139 | - | 0.04 | 491 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13919.43 | - | | | | | | | |
| 4.4 | STR 7 | 3 | -1382 | -716.44 | -661 | -26106 | - | 0.05 | 661 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13530.54 | - | | | | | | | |
| 4.4 | STR 8 | 3 | -1382 | -454.01 | -398 | -43424 | - | 0.03 | 398 | 5298 | 30793 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14262.58 | - | | | | | | | |
| 4.4 | STR 1 | 3 | -1797 | -1297.17 | -1262 | -18019 | - | 0.1 | 1262 | 5361 | 30865 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13006.81 | - | | | | | | | |
| 4.4 | STR 2 | 3 | -1797 | -938.64 | -896 | -25882 | - | 0.07 | 896 | 5361 | 30865 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13519.05 | - | | | | | | | |
| 4.4 | STR 3 | 3 | -1797 | -1144.83 | -1106 | -20706 | - | 0.09 | 1106 | 5361 | 30865 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13191.22 | - | | | | | | | |
| 4.4 | STR 4 | 3 | -1797 | -817.14 | -773 | -30157 | - | 0.06 | 773 | 5361 | 30865 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13713.04 | - | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|----------|-------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 4.4 | STR 5 | 3 | -1382 | -851.56 | -821 | -21501 | - | 0.06 | 821 | 5298 | 30793 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13245.82 | - | | | | | | | |
| 4.4 | STR 6 | 3 | -1382 | -547.56 | -513 | -35139 | - | 0.04 | 513 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13919.43 | - | | | | | | | |
| 4.4 | STR 7 | 3 | -1382 | -716.44 | -684 | -26106 | - | 0.05 | 684 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13530.54 | - | | | | | | | |
| 4.4 | STR 8 | 3 | -1382 | -454.01 | -419 | -43424 | - | 0.03 | 419 | 5298 | 30793 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14262.58 | - | | | | | | | |
| 4.6 | STR 1 | 3 | -1879 | -1044.82 | -1262 | -24143 | - | 0.08 | 1262 | 5373 | 30879 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13427.12 | - | | | | | | | |
| 4.6 | STR 2 | 3 | -1879 | -759.44 | -896 | -34353 | - | 0.05 | 896 | 5373 | 30879 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13886.86 | - | | | | | | | |
| 4.6 | STR 3 | 3 | -1879 | -923.71 | -1106 | -27681 | - | 0.07 | 1106 | 5373 | 30879 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13610.53 | - | | | | | | | |
| 4.6 | STR 4 | 3 | -1879 | -662.48 | -773 | -40049 | - | 0.05 | 773 | 5373 | 30879 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | -14122.8 | - | | | | | | | |
| 4.6 | STR 5 | 3 | -1445 | -687.41 | -821 | -28702 | - | 0.05 | 821 | 5308 | 30804 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13652.81 | - | | | | | | | |
| 4.6 | STR 6 | 3 | -1445 | -445.03 | -513 | -46763 | - | 0.03 | 513 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14400.87 | - | | | | | | | |
| 4.6 | STR 7 | 3 | -1445 | -579.74 | -684 | -34646 | - | 0.04 | 684 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13899.01 | - | | | | | | | |
| 4.6 | STR 8 | 3 | -1445 | -370.21 | -419 | -57102 | - | 0.03 | 419 | 5308 | 30804 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14628.17 | - | | | | | | | |
| 4.6 | STR 1 | 3 | -1879 | -1044.82 | -1222 | -24143 | - | 0.08 | 1222 | 5373 | 30879 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 13427.12 | - | | | | | | | |
| 4.6 | STR 2 | 3 | -1879 | -759.44 | -876 | -34353 | - | 0.05 | 876 | 5373 | 30879 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13886.86 | - | | | | | | | |
| 4.6 | STR 3 | 3 | -1879 | -923.71 | -1075 | -27681 | - | 0.07 | 1075 | 5373 | 30879 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13610.53 | - | | | | | | | |
| 4.6 | STR 4 | 3 | -1879 | -662.48 | -760 | -40049 | - | 0.05 | 760 | 5373 | 30879 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | -14122.8 | - | | | | | | | |
| 4.6 | STR 5 | 3 | -1445 | -687.41 | -799 | -28702 | - | 0.05 | 799 | 5308 | 30804 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13652.81 | - | | | | | | | |
| 4.6 | STR 6 | 3 | -1445 | -445.03 | -506 | -46763 | - | 0.03 | 506 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14400.87 | - | | | | | | | |
| 4.6 | STR 7 | 3 | -1445 | -579.74 | -669 | -34646 | - | 0.04 | 669 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13899.01 | - | | | | | | | |
| 4.6 | STR 8 | 3 | -1445 | -370.21 | -417 | -57102 | - | 0.03 | 417 | 5308 | 30804 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14628.17 | - | | | | | | | |
| 4.8 | STR 1 | 3 | -1960 | -800.47 | -1222 | -33970 | - | 0.06 | 1222 | 5385 | 30893 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | -13871 | - | | | | | | | |
| 4.8 | STR 2 | 3 | -1960 | -584.21 | -876 | -48575 | - | 0.04 | 876 | 5385 | 30893 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14475.91 | - | | | | | | | |
| 4.8 | STR 3 | 3 | -1960 | -708.8 | -1075 | -38932 | - | 0.05 | 1075 | 5385 | 30893 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14076.51 | - | | | | | | | |
| 4.8 | STR 4 | 3 | -1960 | -510.57 | -760 | -56142 | - | 0.03 | 760 | 5385 | 30893 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14622.22 | - | | | | | | | |
| 4.8 | STR 5 | 3 | -1508 | -527.7 | -799 | -40399 | - | 0.04 | 799 | 5317 | 30815 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14137.27 | - | | | | | | | |
| 4.8 | STR 6 | 3 | -1508 | -343.76 | -506 | -64366 | - | 0.02 | 506 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14673.18 | - | | | | | | | |
| 4.8 | STR 7 | 3 | -1508 | -446.03 | -669 | -49000 | - | 0.03 | 669 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14493.53 | - | | | | | | | |
| 4.8 | STR 8 | 3 | -1508 | -286.8 | -417 | -77548 | - | 0.02 | 417 | 5317 | 30815 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14748.89 | - | | | | | | | |
| 4.8 | STR 1 | 3 | -1960 | -800.47 | -1122 | -33970 | - | 0.06 | 1122 | 5385 | 30893 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | -13871 | - | | | | | | | |
| 4.8 | STR 2 | 3 | -1960 | -584.21 | -811 | -48575 | - | 0.04 | 811 | 5385 | 30893 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14475.91 | - | | | | | | | |
| 4.8 | STR 3 | 3 | -1960 | -708.8 | -989 | -38932 | - | 0.05 | 989 | 5385 | 30893 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14076.51 | - | | | | | | | |
| 4.8 | STR 4 | 3 | -1960 | -510.57 | -705 | -56142 | - | 0.03 | 705 | 5385 | 30893 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14622.22 | - | | | | | | | |
| 4.8 | STR 5 | 3 | -1508 | -527.7 | -736 | -40399 | - | 0.04 | 736 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14137.27 | - | | | | | | | |
| 4.8 | STR 6 | 3 | -1508 | -343.76 | -472 | -64366 | - | 0.02 | 472 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14673.18 | - | | | | | | | |
| 4.8 | STR 7 | 3 | -1508 | -446.03 | -619 | -49000 | - | 0.03 | 619 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14493.53 | - | | | | | | | |
| 4.8 | STR 8 | 3 | -1508 | -286.8 | -391 | -77548 | - | 0.02 | 391 | 5317 | 30815 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14748.89 | - | | | | | | | |
| 5 | STR 1 | 3 | -2042 | -576.15 | -1122 | -51664 | - | 0.04 | 1122 | 5397 | 30907 | 35185 | 2.15 | 0.04 | ok |
| | | | | | | | 14576.81 | - | | | | | | | |
| 5 | STR 2 | 3 | -2042 | -422.1 | -811 | -71190 | - | 0.03 | 811 | 5397 | 30907 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14715.47 | - | | | | | | | |
| 5 | STR 3 | 3 | -2042 | -510.92 | -989 | -58500 | - | 0.03 | 989 | 5397 | 30907 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14636.83 | - | | | | | | | |
| 5 | STR 4 | 3 | -2042 | -369.53 | -705 | -81245 | - | 0.03 | 705 | 5397 | 30907 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14702.28 | - | | | | | | | |
| 5 | STR 5 | 3 | -1571 | -380.53 | -736 | -60469 | - | 0.03 | 736 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14649.04 | - | | | | | | | |
| 5 | STR 6 | 3 | -1571 | -249.32 | -472 | -90663 | - | 0.02 | 472 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14390.56 | - | | | | | | | |
| 5 | STR 7 | 3 | -1571 | -322.31 | -619 | -71734 | - | 0.02 | 619 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14718.84 | - | | | | | | | |
| 5 | STR 8 | 3 | -1571 | -208.57 | -391 | -104843 | - | 0.01 | 391 | 5327 | 30826 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13921.29 | - | | | | | | | |
| 5 | STR 1 | 3 | -2042 | -576.15 | -977 | -51664 | - | 0.04 | 977 | 5397 | 30907 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14576.81 | - | | | | | | | |
| 5 | STR 2 | 3 | -2042 | -422.1 | -711 | -71190 | - | 0.03 | 711 | 5397 | 30907 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14715.47 | - | | | | | | | |
| 5 | STR 3 | 3 | -2042 | -510.92 | -864 | -58500 | - | 0.03 | 864 | 5397 | 30907 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14636.83 | - | | | | | | | |
| 5 | STR 4 | 3 | -2042 | -369.53 | -620 | -81245 | - | 0.03 | 620 | 5397 | 30907 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14702.28 | - | | | | | | | |
| 5 | STR 5 | 3 | -1571 | -380.53 | -643 | -60469 | - | 0.03 | 643 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14649.04 | - | | | | | | | |
| 5 | STR 6 | 3 | -1571 | -249.32 | -417 | -90663 | - | 0.02 | 417 | 5327 | 30826 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 14390.56 | - | | | | | | | |
| 5 | STR 7 | 3 | -1571 | -322.31 | -543 | -71734 | - | 0.02 | 543 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 14718.84 | - | | | | | | | |
| 5 | STR 8 | 3 | -1571 | -208.57 | -347 | -104843 | - | 0.01 | 347 | 5327 | 30826 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13921.29 | - | | | | | | | |
| 5.2 | STR 1 | 3 | -2124 | -380.72 | -977 | -78613 | - | 0.03 | 977 | 5410 | 30921 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14092.82 | - | | | | | | | |
| 5.2 | STR 2 | 3 | -2124 | -279.95 | -711 | -101655 | - | 0.02 | 711 | 5410 | 30921 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13400.05 | - | | | | | | | |
| 5.2 | STR 3 | 3 | -2124 | -338.09 | -864 | -87058 | - | 0.02 | 864 | 5410 | 30921 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 13859.61 | - | | | | | | | |
| 5.2 | STR 4 | 3 | -2124 | -245.48 | -620 | -112586 | - | 0.02 | 620 | 5410 | 30921 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13013.85 | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|-------|-----|-------|---------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSl | |
| 5.2 | STR 5 | 3 | -1634 | -251.91 | -643 | -89402 | - | 0.02 | 643 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13785.82 | | | | | | | | |
| 5.2 | STR 6 | 3 | -1634 | -165.96 | -417 | -123472 | -12543.2 | 0.01 | 417 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | STR 7 | 3 | -1634 | -213.78 | -543 | -102253 | - | 0.02 | 543 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13381.23 | | | | | | | | |
| 5.2 | STR 8 | 3 | -1634 | -139.19 | -347 | -138868 | - | 0.01 | 347 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11831.58 | | | | | | | | |
| 5.2 | STR 1 | 3 | -2124 | -380.72 | -800 | -78613 | - | 0.03 | 800 | 5410 | 30921 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 14092.82 | | | | | | | | |
| 5.2 | STR 2 | 3 | -2124 | -279.95 | -585 | -101655 | - | 0.02 | 585 | 5410 | 30921 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13400.05 | | | | | | | | |
| 5.2 | STR 3 | 3 | -2124 | -338.09 | -709 | -87058 | - | 0.02 | 709 | 5410 | 30921 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13859.61 | | | | | | | | |
| 5.2 | STR 4 | 3 | -2124 | -245.48 | -512 | -112586 | - | 0.02 | 512 | 5410 | 30921 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13013.85 | | | | | | | | |
| 5.2 | STR 5 | 3 | -1634 | -251.91 | -528 | -89402 | - | 0.02 | 528 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 13785.82 | | | | | | | | |
| 5.2 | STR 6 | 3 | -1634 | -165.96 | -345 | -123472 | -12543.2 | 0.01 | 345 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | STR 7 | 3 | -1634 | -213.78 | -447 | -102253 | - | 0.02 | 447 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 13381.23 | | | | | | | | |
| 5.2 | STR 8 | 3 | -1634 | -139.19 | -289 | -138868 | - | 0.01 | 289 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11831.58 | | | | | | | | |
| 5.4 | STR 1 | 3 | -2205 | -220.71 | -800 | -103161 | - | 0.02 | 800 | 5422 | 30935 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 10324.28 | | | | | | | | |
| 5.4 | STR 2 | 3 | -2205 | -162.88 | -585 | -126805 | -9365.04 | 0.02 | 585 | 5422 | 30935 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 3 | 3 | -2205 | -196.28 | -709 | -112349 | -9999 | 0.02 | 709 | 5422 | 30935 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 4 | 3 | -2205 | -143.05 | -512 | -136343 | -8843.86 | 0.02 | 512 | 5422 | 30935 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 5 | 3 | -1696 | -146.3 | -528 | -114901 | -9908.67 | 0.01 | 528 | 5346 | 30847 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 6 | 3 | -1696 | -96.9 | -345 | -144935 | -8278.21 | 0.01 | 345 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 7 | 3 | -1696 | -124.4 | -447 | -127327 | -9336.52 | 0.01 | 447 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 8 | 3 | -1696 | -81.47 | -289 | -155931 | -7487.95 | 0.01 | 289 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 1 | 3 | -2205 | -220.71 | -598 | -103161 | - | 0.02 | 598 | 5422 | 30935 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10324.28 | | | | | | | | |
| 5.4 | STR 2 | 3 | -2205 | -162.88 | -440 | -126805 | -9365.04 | 0.02 | 440 | 5422 | 30935 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 3 | 3 | -2205 | -196.28 | -531 | -112349 | -9999 | 0.02 | 531 | 5422 | 30935 | 35185 | 2.15 | 0.02 | ok |
| 5.4 | STR 4 | 3 | -2205 | -143.05 | -386 | -136343 | -8843.86 | 0.02 | 386 | 5422 | 30935 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 5 | 3 | -1696 | -146.3 | -396 | -114901 | -9908.67 | 0.01 | 396 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 6 | 3 | -1696 | -96.9 | -261 | -144935 | -8278.21 | 0.01 | 261 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 7 | 3 | -1696 | -124.4 | -336 | -127327 | -9336.52 | 0.01 | 336 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.4 | STR 8 | 3 | -1696 | -81.47 | -219 | -155931 | -7487.95 | 0.01 | 219 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 1 | 3 | -2287 | -101.17 | -598 | -132745 | -5872.18 | 0.02 | 598 | 5434 | 30949 | 35185 | 2.15 | 0.02 | ok |
| 5.6 | STR 2 | 3 | -2287 | -74.94 | -440 | -145332 | -4761.75 | 0.02 | 440 | 5434 | 30949 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 3 | 3 | -2287 | -90.1 | -531 | -137835 | -5430.08 | 0.02 | 531 | 5434 | 30949 | 35185 | 2.15 | 0.02 | ok |
| 5.6 | STR 4 | 3 | -2287 | -65.92 | -386 | -149587 | -4311.63 | 0.02 | 386 | 5434 | 30949 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 5 | 3 | -1759 | -67.18 | -396 | -139151 | -5313.77 | 0.01 | 396 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 6 | 3 | -1759 | -44.74 | -261 | -149688 | -3806.63 | 0.01 | 261 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 7 | 3 | -1759 | -57.24 | -336 | -145580 | -4736.41 | 0.01 | 336 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 8 | 3 | -1759 | -37.71 | -219 | -149688 | -3208.42 | 0.01 | 219 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 1 | 3 | -2287 | -101.17 | -374 | -132745 | -5872.18 | 0.02 | 374 | 5434 | 30949 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 2 | 3 | -2287 | -74.94 | -277 | -145332 | -4761.75 | 0.02 | 277 | 5434 | 30949 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 3 | 3 | -2287 | -90.1 | -333 | -137835 | -5430.08 | 0.02 | 333 | 5434 | 30949 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 4 | 3 | -2287 | -65.92 | -243 | -149587 | -4311.63 | 0.02 | 243 | 5434 | 30949 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 5 | 3 | -1759 | -67.18 | -248 | -139151 | -5313.77 | 0.01 | 248 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 6 | 3 | -1759 | -44.74 | -165 | -149688 | -3806.63 | 0.01 | 165 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 7 | 3 | -1759 | -57.24 | -211 | -145580 | -4736.41 | 0.01 | 211 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | STR 8 | 3 | -1759 | -37.71 | -139 | -149688 | -3208.42 | 0.01 | 139 | 5355 | 30858 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 1 | 3 | -2369 | -26.29 | -374 | -140939 | -1564.46 | 0.02 | 374 | 5447 | 30963 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 2 | 3 | -2369 | -19.56 | -277 | -140939 | -1163.94 | 0.02 | 277 | 5447 | 30963 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 3 | 3 | -2369 | -23.46 | -333 | -140939 | -1395.69 | 0.02 | 333 | 5447 | 30963 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 4 | 3 | -2369 | -17.24 | -243 | -140939 | -1025.95 | 0.02 | 243 | 5447 | 30963 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 5 | 3 | -1822 | -17.5 | -248 | -140939 | -1353.51 | 0.01 | 248 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 6 | 3 | -1822 | -11.73 | -165 | -140939 | -907.31 | 0.01 | 165 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 7 | 3 | -1822 | -14.94 | -211 | -140939 | -1155.93 | 0.01 | 211 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | STR 8 | 3 | -1822 | -9.92 | -139 | -140939 | -767.01 | 0.01 | 139 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 1 | 3 | -2369 | -26.29 | -131 | -140939 | -1564.46 | 0.02 | 131 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 2 | 3 | -2369 | -19.56 | -98 | -140939 | -1163.94 | 0.02 | 98 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 3 | 3 | -2369 | -23.46 | -117 | -140939 | -1395.69 | 0.02 | 117 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 4 | 3 | -2369 | -17.24 | -86 | -140939 | -1025.95 | 0.02 | 86 | 5447 | 30963 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 5 | 3 | -1822 | -17.5 | -87 | -140939 | -1353.51 | 0.01 | 87 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 6 | 3 | -1822 | -11.73 | -59 | -140939 | -907.31 | 0.01 | 59 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 7 | 3 | -1822 | -14.94 | -75 | -140939 | -1155.93 | 0.01 | 75 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | STR 8 | 3 | -1822 | -9.92 | -50 | -140939 | -767.01 | 0.01 | 50 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |

Verifiche strutturali di esercizio in SLER

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|------|--------|----------|--------|---------|----------|-------|---------|----|------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSl | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLER 1 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLER 2 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLER 1 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.2 | SLER 2 | 3 | -63 | 0 | -503 | -7548 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 1 | 3 | -126 | 0 | -980 | -14701 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 2 | 3 | -126 | 0 | -980 | -14701 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 1 | 3 | -126 | 0 | -980 | -14701 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.4 | SLER 2 | 3 | -126 | 0 | -980 | -14701 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 1 | 3 | -188 | 0 | -1317 | -19754 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 2 | 3 | -188 | 0 | -1317 | -19754 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 1 | 3 | -188 | 0 | -1317 | -19754 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.6 | SLER 2 | 3 | -188 | 0 | -1317 | -19754 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 1 | 3 | -251 | 0 | -1591 | -23853 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 2 | 3 | -251 | 0 | -1591 | -23854 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 1 | 3 | -251 | 0 | -1591 | -23853 | 1494000 | 36000000 | 0 | | | | | | ok |
| 0.8 | SLER 2 | 3 | -251 | 0 | -1591 | -23854 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 1 | 3 | -314 | -0.24 | -1980 | -28939 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 2 | 3 | -314 | 0 | -1951 | -29256 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 1 | 3 | -314 | -0.24 | -1980 | -28939 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1 | SLER 2 | 3 | -314 | 0 | -1951 | -29256 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 1 | 3 | -377 | -4.02 | -2833 | -29684 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 2 | 3 | -377 | 0 | -2341 | -35108 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 1 | 3 | -377 | -4.02 | -2833 | -29684 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.2 | SLER 2 | 3 | -377 | 0 | -2341 | -35108 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 1 | 3 | -440 | -15.55 | -4637 | -19950 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 2 | 3 | -440 | -2.2 | -3001 | -37988 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 1 | 3 | -440 | -15.55 | -4637 | -19950 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.4 | SLER 2 | 3 | -440 | -2.2 | -3001 | -37988 | 1494000 | 36000000 | 0 | | | | | | ok |
| 1.6 | SLER 1 | 3 | -503 | -39.05 | -8120 | 10721 | 1494000 | 36000000 | 0.01 | | | | | | ok |
| 1.6 | SLER 2 | 3 | -503 | -10.83 | -4449 | -32179 | 1494000 | 36000000 | 0 | | | | | | ok |

| Dati sezione | | | | | | | | | | Tensioni | | | | Fessure | | | | | Ver |
|--------------|--------|-----|-------|----------|---------|---------|---------|----------|-------|----------|----|------|-----|---------|----|--|--|--|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/Cst | Fess | Wm | Wadm | Srm | 1/CSf | | | | | |
| 1.6 | SLer 1 | 3 | -503 | -39.05 | -8120 | 10721 | 1494000 | 36000000 | 0.01 | | | | | | ok | | | | |
| 1.6 | SLer 2 | 3 | -503 | -10.83 | -4449 | -32179 | 1494000 | 36000000 | 0 | | | | | | ok | | | | |
| 1.8 | SLer 1 | 3 | -565 | -78.75 | -15507 | 118994 | 1494000 | 36000000 | 0.01 | | | | | | ok | | | | |
| 1.8 | SLer 2 | 3 | -565 | -30.1 | -7202 | -11973 | 1494000 | 36000000 | 0 | | | | | | ok | | | | |
| 1.8 | SLer 1 | 3 | -565 | -78.75 | -15507 | 118994 | 1494000 | 36000000 | 0.01 | | | | | | ok | | | | |
| 1.8 | SLer 2 | 3 | -565 | -30.1 | -7202 | -11973 | 1494000 | 36000000 | 0 | | | | | | ok | | | | |
| 2 | SLer 1 | 3 | -628 | -138.84 | -27519 | 339856 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 2 | SLer 2 | 3 | -628 | -64.23 | -12773 | 53113 | 1494000 | 36000000 | 0.01 | | | | | | ok | | | | |
| 2 | SLer 1 | 3 | -628 | -138.84 | -27519 | 339856 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 2 | SLer 2 | 3 | -628 | -64.23 | -12773 | 53113 | 1494000 | 36000000 | 0.01 | | | | | | ok | | | | |
| 2.2 | SLer 1 | 3 | -691 | -223.56 | -44460 | 678867 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 2.2 | SLer 2 | 3 | -691 | -117.42 | -23176 | 227756 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 2.2 | SLer 1 | 3 | -691 | -223.56 | -44460 | 678867 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 2.2 | SLer 2 | 3 | -691 | -117.42 | -23176 | 227756 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 2.4 | SLer 1 | 3 | -754 | -337.12 | -67074 | 1149030 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 2.4 | SLer 2 | 3 | -754 | -193.91 | -38503 | 524228 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 2.4 | SLer 1 | 3 | -754 | -337.12 | -67074 | 1149030 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 2.4 | SLer 2 | 3 | -754 | -193.91 | -38503 | 524228 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 2.6 | SLer 1 | 3 | -817 | -483.73 | -96187 | 1767202 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 2.6 | SLer 2 | 3 | -817 | -297.91 | -59267 | 949438 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 2.6 | SLer 1 | 3 | -817 | -483.73 | -96187 | 1767202 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 2.6 | SLer 2 | 3 | -817 | -297.91 | -59267 | 949438 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 2.8 | SLer 1 | 3 | -880 | -667.61 | -132639 | 2551367 | 1494000 | 36000000 | 0.09 | | | | | | ok | | | | |
| 2.8 | SLer 2 | 3 | -880 | -433.62 | -86263 | 1518025 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 2.8 | SLer 1 | 3 | -880 | -667.61 | -132639 | 2551367 | 1494000 | 36000000 | 0.09 | | | | | | ok | | | | |
| 2.8 | SLer 2 | 3 | -880 | -433.62 | -86263 | 1518025 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 3 | SLer 1 | 3 | -942 | -893.72 | -177416 | 3523203 | 1494000 | 36000000 | 0.12 | | | | | | ok | | | | |
| 3 | SLer 2 | 3 | -942 | -610.27 | -121316 | 2269319 | 1494000 | 36000000 | 0.08 | | | | | | ok | | | | |
| 3 | SLer 1 | 3 | -942 | -893.72 | -177416 | 3523203 | 1494000 | 36000000 | 0.12 | | | | | | ok | | | | |
| 3 | SLer 2 | 3 | -942 | -610.27 | -121316 | 2269319 | 1494000 | 36000000 | 0.08 | | | | | | ok | | | | |
| 3.2 | SLer 1 | 3 | -1005 | -1037.54 | -205902 | 4131060 | 1494000 | 36000000 | 0.14 | | | | | | ok | | | | |
| 3.2 | SLer 2 | 3 | -1005 | -727.9 | -144643 | 2760721 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.2 | SLer 1 | 3 | -1005 | -1037.54 | -205902 | 4131060 | 1494000 | 36000000 | 0.14 | | | | | | ok | | | | |
| 3.2 | SLer 2 | 3 | -1005 | -727.9 | -144643 | 2760721 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.4 | SLer 1 | 3 | -1068 | -1096.58 | -217623 | 4363525 | 1494000 | 36000000 | 0.15 | | | | | | ok | | | | |
| 3.4 | SLer 2 | 3 | -1068 | -781.46 | -155279 | 2968916 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.4 | SLer 1 | 3 | -1068 | -1096.58 | -217623 | 4363525 | 1494000 | 36000000 | 0.15 | | | | | | ok | | | | |
| 3.4 | SLer 2 | 3 | -1068 | -781.46 | -155279 | 2968916 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.6 | SLer 1 | 3 | -1131 | -1089.24 | -216217 | 4302106 | 1494000 | 36000000 | 0.14 | | | | | | ok | | | | |
| 3.6 | SLer 2 | 3 | -1131 | -784.48 | -155909 | 2953672 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.6 | SLer 1 | 3 | -1131 | -1089.24 | -216217 | 4302106 | 1494000 | 36000000 | 0.14 | | | | | | ok | | | | |
| 3.6 | SLer 2 | 3 | -1131 | -784.48 | -155909 | 2953672 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.8 | SLer 1 | 3 | -1194 | -1032.1 | -204958 | 4020331 | 1494000 | 36000000 | 0.14 | | | | | | ok | | | | |
| 3.8 | SLer 2 | 3 | -1194 | -749.22 | -148953 | 2769379 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 3.8 | SLer 1 | 3 | -1194 | -1032.1 | -204958 | 4020331 | 1494000 | 36000000 | 0.14 | | | | | | ok | | | | |
| 3.8 | SLer 2 | 3 | -1194 | -749.22 | -148953 | 2769379 | 1494000 | 36000000 | 0.1 | | | | | | ok | | | | |
| 4 | SLer 1 | 3 | -1257 | -939.67 | -186702 | 3582655 | 1494000 | 36000000 | 0.12 | | | | | | ok | | | | |
| 4 | SLer 2 | 3 | -1257 | -686.48 | -136535 | 2464086 | 1494000 | 36000000 | 0.09 | | | | | | ok | | | | |
| 4 | SLer 1 | 3 | -1257 | -939.67 | -186702 | 3582655 | 1494000 | 36000000 | 0.12 | | | | | | ok | | | | |
| 4 | SLer 2 | 3 | -1257 | -686.48 | -136535 | 2464086 | 1494000 | 36000000 | 0.09 | | | | | | ok | | | | |
| 4.2 | SLer 1 | 3 | -1319 | -824.29 | -163880 | 3044113 | 1494000 | 36000000 | 0.11 | | | | | | ok | | | | |
| 4.2 | SLer 2 | 3 | -1319 | -605.5 | -120469 | 2079204 | 1494000 | 36000000 | 0.08 | | | | | | ok | | | | |
| 4.2 | SLer 1 | 3 | -1319 | -824.29 | -163880 | 3044113 | 1494000 | 36000000 | 0.11 | | | | | | ok | | | | |
| 4.2 | SLer 2 | 3 | -1319 | -605.5 | -120469 | 2079204 | 1494000 | 36000000 | 0.08 | | | | | | ok | | | | |
| 4.4 | SLer 1 | 3 | -1382 | -696.19 | -138492 | 2450612 | 1494000 | 36000000 | 0.09 | | | | | | ok | | | | |
| 4.4 | SLer 2 | 3 | -1382 | -513.98 | -102258 | 1649771 | 1494000 | 36000000 | 0.07 | | | | | | ok | | | | |
| 4.4 | SLer 1 | 3 | -1382 | -696.19 | -138492 | 2450612 | 1494000 | 36000000 | 0.09 | | | | | | ok | | | | |
| 4.4 | SLer 2 | 3 | -1382 | -513.98 | -102258 | 1649771 | 1494000 | 36000000 | 0.07 | | | | | | ok | | | | |
| 4.6 | SLer 1 | 3 | -1445 | -563.62 | -112140 | 1839893 | 1494000 | 36000000 | 0.08 | | | | | | ok | | | | |
| 4.6 | SLer 2 | 3 | -1445 | -418.18 | -83114 | 1205417 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 4.6 | SLer 1 | 3 | -1445 | -563.62 | -112140 | 1839893 | 1494000 | 36000000 | 0.08 | | | | | | ok | | | | |
| 4.6 | SLer 2 | 3 | -1445 | -418.18 | -83114 | 1205417 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 4.8 | SLer 1 | 3 | -1508 | -433.81 | -86218 | 1246818 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 4.8 | SLer 2 | 3 | -1508 | -323.32 | -64054 | 773865 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 4.8 | SLer 1 | 3 | -1508 | -433.81 | -86218 | 1246818 | 1494000 | 36000000 | 0.06 | | | | | | ok | | | | |
| 4.8 | SLer 2 | 3 | -1508 | -323.32 | -64054 | 773865 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 5 | SLer 1 | 3 | -1571 | -313.6 | -62058 | 707895 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 5 | SLer 2 | 3 | -1571 | -234.7 | -46240 | 390982 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 5 | SLer 1 | 3 | -1571 | -313.6 | -62058 | 707895 | 1494000 | 36000000 | 0.04 | | | | | | ok | | | | |
| 5 | SLer 2 | 3 | -1571 | -234.7 | -46240 | 390982 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 5.2 | SLer 1 | 3 | -1634 | -208.09 | -42122 | 287830 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 5.2 | SLer 2 | 3 | -1634 | -156.35 | -32024 | 112264 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 5.2 | SLer 1 | 3 | -1634 | -208.09 | -42122 | 287830 | 1494000 | 36000000 | 0.03 | | | | | | ok | | | | |
| 5.2 | SLer 2 | 3 | -1634 | -156.35 | -32024 | 112264 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 5.4 | SLer 1 | 3 | -1696 | -121.13 | -29277 | 20529 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 5.4 | SLer 2 | 3 | -1696 | -91.36 | -24569 | -37540 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 5.4 | SLer 1 | 3 | -1696 | -121.13 | -29277 | 20529 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 5.4 | SLer 2 | 3 | -1696 | -91.36 | -24569 | -37540 | 1494000 | 36000000 | 0.02 | | | | | | ok | | | | |
| 5.6 | SLer 1 | 3 | -1759 | -55.75 | -22455 | -109541 | 1494000 | 36000000 | 0.02 | | | | | | | | | | |

Verifiche strutturali di esercizio in SLEF

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|------|----|----------|----|------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLEf 1 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 2 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 1 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.2 | SLEf 2 | 3 | -63 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 1 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 2 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 1 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.4 | SLEf 2 | 3 | -126 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 1 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 2 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 1 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.6 | SLEf 2 | 3 | -188 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 1 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 2 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 0.8 | SLEf 1 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|--------|-----|-------|---------|----------|----|------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.8 | SLEf 2 | 3 | -251 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 1 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 2 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 1 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1 | SLEf 2 | 3 | -314 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 1 | 3 | -377 | -0.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 2 | 3 | -377 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 1 | 3 | -377 | -0.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.2 | SLEf 2 | 3 | -377 | 0 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 1 | 3 | -440 | -6.93 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 2 | 3 | -440 | -2.2 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 1 | 3 | -440 | -6.93 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.4 | SLEf 2 | 3 | -440 | -2.2 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 1 | 3 | -503 | -22.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 2 | 3 | -503 | -10.83 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 1 | 3 | -503 | -22.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.6 | SLEf 2 | 3 | -503 | -10.83 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 1 | 3 | -565 | -50.65 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 2 | 3 | -565 | -30.1 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 1 | 3 | -565 | -50.65 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 1.8 | SLEf 2 | 3 | -565 | -30.1 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 1 | 3 | -628 | -96.85 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 2 | 3 | -628 | -64.23 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 1 | 3 | -628 | -96.85 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2 | SLEf 2 | 3 | -628 | -64.23 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 1 | 3 | -691 | -164.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 2 | 3 | -691 | -117.42 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 1 | 3 | -691 | -164.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.2 | SLEf 2 | 3 | -691 | -117.42 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 1 | 3 | -754 | -259.01 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 2 | 3 | -754 | -193.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 1 | 3 | -754 | -259.01 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.4 | SLEf 2 | 3 | -754 | -193.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 1 | 3 | -817 | -383.39 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 2 | 3 | -817 | -297.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 1 | 3 | -817 | -383.39 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.6 | SLEf 2 | 3 | -817 | -297.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 1 | 3 | -880 | -542.28 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 2 | 3 | -880 | -433.62 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 1 | 3 | -880 | -542.28 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 2.8 | SLEf 2 | 3 | -880 | -433.62 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 1 | 3 | -942 | -742.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 2 | 3 | -942 | -610.27 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 1 | 3 | -942 | -742.91 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3 | SLEf 2 | 3 | -942 | -610.27 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 1 | 3 | -1005 | -873.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 2 | 3 | -1005 | -727.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 1 | 3 | -1005 | -873.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.2 | SLEf 2 | 3 | -1005 | -727.9 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 1 | 3 | -1068 | -930.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 2 | 3 | -1068 | -781.46 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 1 | 3 | -1068 | -930.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.4 | SLEf 2 | 3 | -1068 | -781.46 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 1 | 3 | -1131 | -928.51 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 2 | 3 | -1131 | -784.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 1 | 3 | -1131 | -928.51 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.6 | SLEf 2 | 3 | -1131 | -784.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 1 | 3 | -1194 | -883.15 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 2 | 3 | -1194 | -749.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 1 | 3 | -1194 | -883.15 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 3.8 | SLEf 2 | 3 | -1194 | -749.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 1 | 3 | -1257 | -806.53 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 2 | 3 | -1257 | -686.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 1 | 3 | -1257 | -806.53 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4 | SLEf 2 | 3 | -1257 | -686.48 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 1 | 3 | -1319 | -709.37 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 2 | 3 | -1319 | -605.5 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 1 | 3 | -1319 | -709.37 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.2 | SLEf 2 | 3 | -1319 | -605.5 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 1 | 3 | -1382 | -600.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 2 | 3 | -1382 | -513.98 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 1 | 3 | -1382 | -600.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.4 | SLEf 2 | 3 | -1382 | -513.98 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 1 | 3 | -1445 | -487.4 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 2 | 3 | -1445 | -418.18 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 1 | 3 | -1445 | -487.4 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.6 | SLEf 2 | 3 | -1445 | -418.18 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 1 | 3 | -1508 | -375.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 2 | 3 | -1508 | -323.32 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 1 | 3 | -1508 | -375.97 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 4.8 | SLEf 2 | 3 | -1508 | -323.32 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 1 | 3 | -1571 | -272.34 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 2 | 3 | -1571 | -234.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 1 | 3 | -1571 | -272.34 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5 | SLEf 2 | 3 | -1571 | -234.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 1 | 3 | -1634 | -181.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 2 | 3 | -1634 | -156.35 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 1 | 3 | -1634 | -181.06 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.2 | SLEf 2 | 3 | -1634 | -156.35 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 1 | 3 | -1696 | -105.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 2 | 3 | -1696 | -91.36 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 1 | 3 | -1696 | -105.59 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.4 | SLEf 2 | 3 | -1696 | -91.36 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 1 | 3 | -1759 | -48.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 2 | 3 | -1759 | -42.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 1 | 3 | -1759 | -48.7 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.6 | SLEf 2 | 3 | -1759 | -42.22 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 1 | 3 | -1822 | -12.75 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 2 | 3 | -1822 | -11.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 1 | 3 | -1822 | -12.75 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |
| 5.8 | SLEf 2 | 3 | -1822 | -11.08 | | | | | | no | 0 | 0.0004 | 0 | 0 | ok |

Verifiche strutturali di esercizio in SLEqp

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|-----|-----|---|----|----------|----|------|------|-------|---------|----|------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/CSt | Fess | Wm | Wadm | Srm | 1/CSf | |

| Dati sezione | | | | | Tensioni | | | | | Fessure | | | | | Ver |
|--------------|---------|-----|-------|---------|----------|----|---------|------|-------|---------|----|--------|-----|-------|-----|
| Z | Cmb | Stg | N | Mx | Sc | Sf | Sc,a | Sf,a | 1/Cst | Fess | Wm | Wadm | Srm | 1/CSf | |
| 0.2 | SLEqp 1 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 2 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 1 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.2 | SLEqp 2 | 3 | -63 | 0 | -503 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 1 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 2 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 1 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.4 | SLEqp 2 | 3 | -126 | 0 | -980 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 1 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 2 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 1 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.6 | SLEqp 2 | 3 | -188 | 0 | -1317 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 1 | 3 | -251 | 0 | -1591 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 2 | 3 | -251 | 0 | -1591 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 1 | 3 | -251 | 0 | -1591 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 0.8 | SLEqp 2 | 3 | -251 | 0 | -1591 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 1 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 2 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 1 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1 | SLEqp 2 | 3 | -314 | 0 | -1951 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 1 | 3 | -377 | -0.36 | -2385 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 2 | 3 | -377 | 0 | -2341 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 1 | 3 | -377 | -0.36 | -2385 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.2 | SLEqp 2 | 3 | -377 | 0 | -2341 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 1 | 3 | -440 | -4.6 | -3295 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 2 | 3 | -440 | -2.2 | -3001 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 1 | 3 | -440 | -4.6 | -3295 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.4 | SLEqp 2 | 3 | -440 | -2.2 | -3001 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 1 | 3 | -503 | -16.93 | -5196 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 2 | 3 | -503 | -10.83 | -4449 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 1 | 3 | -503 | -16.93 | -5196 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.6 | SLEqp 2 | 3 | -503 | -10.83 | -4449 | | 1120500 | | 0 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 1 | 3 | -565 | -41.56 | -8769 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 2 | 3 | -565 | -30.1 | -7202 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 1 | 3 | -565 | -41.56 | -8769 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 1.8 | SLEqp 2 | 3 | -565 | -30.1 | -7202 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 1 | 3 | -628 | -82.71 | -16287 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 2 | 3 | -628 | -64.23 | -12773 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 1 | 3 | -628 | -82.71 | -16287 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2 | SLEqp 2 | 3 | -628 | -64.23 | -12773 | | 1120500 | | 0.01 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 1 | 3 | -691 | -144.59 | -28635 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 2 | 3 | -691 | -117.42 | -23176 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 1 | 3 | -691 | -144.59 | -28635 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.2 | SLEqp 2 | 3 | -691 | -117.42 | -23176 | | 1120500 | | 0.02 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 1 | 3 | -754 | -231.43 | -46015 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 2 | 3 | -754 | -193.91 | -38503 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 1 | 3 | -754 | -231.43 | -46015 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.4 | SLEqp 2 | 3 | -754 | -193.91 | -38503 | | 1120500 | | 0.03 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 1 | 3 | -817 | -347.45 | -69131 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 2 | 3 | -817 | -297.91 | -59267 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 1 | 3 | -817 | -347.45 | -69131 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.6 | SLEqp 2 | 3 | -817 | -297.91 | -59267 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 1 | 3 | -880 | -496.85 | -98809 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 2 | 3 | -880 | -433.62 | -86263 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 1 | 3 | -880 | -496.85 | -98809 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 2.8 | SLEqp 2 | 3 | -880 | -433.62 | -86263 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 1 | 3 | -942 | -687.71 | -136652 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 2 | 3 | -942 | -610.27 | -121316 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 1 | 3 | -942 | -687.71 | -136652 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3 | SLEqp 2 | 3 | -942 | -610.27 | -121316 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 1 | 3 | -1005 | -813.06 | -161499 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 2 | 3 | -1005 | -727.9 | -144643 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 1 | 3 | -1005 | -813.06 | -161499 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.2 | SLEqp 2 | 3 | -1005 | -727.9 | -144643 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 1 | 3 | -1068 | -868.49 | -172508 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 2 | 3 | -1068 | -781.46 | -155279 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 1 | 3 | -1068 | -868.49 | -172508 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.4 | SLEqp 2 | 3 | -1068 | -781.46 | -155279 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 1 | 3 | -1131 | -868.92 | -172628 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 2 | 3 | -1131 | -784.48 | -155909 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 1 | 3 | -1131 | -868.92 | -172628 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.6 | SLEqp 2 | 3 | -1131 | -784.48 | -155909 | | 1120500 | | 0.14 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 1 | 3 | -1194 | -827.8 | -164519 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 2 | 3 | -1194 | -749.22 | -148953 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 1 | 3 | -1194 | -827.8 | -164519 | | 1120500 | | 0.15 | no | 0 | 0.0003 | 0 | 0 | ok |
| 3.8 | SLEqp 2 | 3 | -1194 | -749.22 | -148953 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 1 | 3 | -1257 | -756.96 | -150510 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 2 | 3 | -1257 | -686.48 | -136535 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 1 | 3 | -1257 | -756.96 | -150510 | | 1120500 | | 0.13 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4 | SLEqp 2 | 3 | -1257 | -686.48 | -136535 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 1 | 3 | -1319 | -666.51 | -132587 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 2 | 3 | -1319 | -605.5 | -120469 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 1 | 3 | -1319 | -666.51 | -132587 | | 1120500 | | 0.12 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.2 | SLEqp 2 | 3 | -1319 | -605.5 | -120469 | | 1120500 | | 0.11 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 1 | 3 | -1382 | -564.88 | -112394 | | 1120500 | | 0.1 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 2 | 3 | -1382 | -513.98 | -102258 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 1 | 3 | -1382 | -564.88 | -112394 | | 1120500 | | 0.1 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.4 | SLEqp 2 | 3 | -1382 | -513.98 | -102258 | | 1120500 | | 0.09 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 1 | 3 | -1445 | -458.88 | -91252 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 2 | 3 | -1445 | -418.18 | -83114 | | 1120500 | | 0.07 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 1 | 3 | -1445 | -458.88 | -91252 | | 1120500 | | 0.08 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.6 | SLEqp 2 | 3 | -1445 | -418.18 | -83114 | | 1120500 | | 0.07 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 1 | 3 | -1508 | -354.29 | -70277 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 2 | 3 | -1508 | -323.32 | -64054 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 1 | 3 | -1508 | -354.29 | -70277 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 4.8 | SLEqp 2 | 3 | -1508 | -323.32 | -64054 | | 1120500 | | 0.06 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5 | SLEqp 1 | 3 | -1571 | -256.85 | -50664 | | 1120500 | | 0.05 | no | 0 | 0.0003 | 0 | 0 | ok |
| 5 | SLEqp 2 | 3 | -1571 | -234.7 | -46240 | | 1120500 | | 0.04 | no | 0 | 0.0003 | 0 | 0 | ok |
| | | | | | | | | | | | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|---------|-----|-------|----------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSf | |
| 2 | SLVm1 4 | 3 | -628 | -82.71 | 206 | -81673 | - | 0.01 | 206 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10750.59 | - | | | | | | | |
| 2 | SLVm1 1 | 3 | -628 | -152.9 | 383 | -46178 | - | 0.01 | 383 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11237.54 | - | | | | | | | |
| 2 | SLVm1 2 | 3 | -628 | -152.9 | 383 | -46178 | - | 0.01 | 383 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11237.54 | - | | | | | | | |
| 2 | SLVm1 3 | 3 | -628 | -82.71 | 309 | -81673 | - | 0.01 | 309 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10750.59 | - | | | | | | | |
| 2 | SLVm1 4 | 3 | -628 | -82.71 | 309 | -81673 | - | 0.01 | 309 | 5185 | 30663 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 10750.59 | - | | | | | | | |
| 2.2 | SLVm1 1 | 3 | -691 | -229.53 | 383 | -34266 | - | 0.02 | 383 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11379.82 | - | | | | | | | |
| 2.2 | SLVm1 2 | 3 | -691 | -229.53 | 383 | -34266 | - | 0.02 | 383 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11379.82 | - | | | | | | | |
| 2.2 | SLVm1 3 | 3 | -691 | -144.59 | 309 | -53304 | - | 0.01 | 309 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11151.55 | - | | | | | | | |
| 2.2 | SLVm1 4 | 3 | -691 | -144.59 | 309 | -53304 | - | 0.01 | 309 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11151.55 | - | | | | | | | |
| 2.2 | SLVm1 1 | 3 | -691 | -229.53 | 515 | -34266 | - | 0.02 | 515 | 5195 | 30674 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11379.82 | - | | | | | | | |
| 2.2 | SLVm1 2 | 3 | -691 | -229.53 | 515 | -34266 | - | 0.02 | 515 | 5195 | 30674 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11379.82 | - | | | | | | | |
| 2.2 | SLVm1 3 | 3 | -691 | -144.59 | 434 | -53304 | - | 0.01 | 434 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11151.55 | - | | | | | | | |
| 2.2 | SLVm1 4 | 3 | -691 | -144.59 | 434 | -53304 | - | 0.01 | 434 | 5195 | 30674 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11151.55 | - | | | | | | | |
| 2.4 | SLVm1 1 | 3 | -754 | -332.52 | 515 | -24265 | -10701.4 | 0.03 | 515 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| 2.4 | SLVm1 2 | 3 | -754 | -332.52 | 515 | -24265 | -10701.4 | 0.03 | 515 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| 2.4 | SLVm1 3 | 3 | -754 | -231.43 | 434 | -36969 | - | 0.02 | 434 | 5204 | 30685 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11347.54 | - | | | | | | | |
| 2.4 | SLVm1 4 | 3 | -754 | -231.43 | 434 | -36969 | - | 0.02 | 434 | 5204 | 30685 | 35185 | 2.15 | 0.01 | ok |
| | | | | | | | 11347.54 | - | | | | | | | |
| 2.4 | SLVm1 1 | 3 | -754 | -332.52 | 668 | -24265 | -10701.4 | 0.03 | 668 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| 2.4 | SLVm1 2 | 3 | -754 | -332.52 | 668 | -24265 | -10701.4 | 0.03 | 668 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| 2.4 | SLVm1 3 | 3 | -754 | -231.43 | 580 | -36969 | - | 0.02 | 580 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11347.54 | - | | | | | | | |
| 2.4 | SLVm1 4 | 3 | -754 | -231.43 | 580 | -36969 | - | 0.02 | 580 | 5204 | 30685 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 11347.54 | - | | | | | | | |
| 2.6 | SLVm1 1 | 3 | -817 | -466.08 | 668 | -17810 | - | 0.05 | 668 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10162.38 | - | | | | | | | |
| 2.6 | SLVm1 2 | 3 | -817 | -466.08 | 668 | -17810 | - | 0.05 | 668 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10162.38 | - | | | | | | | |
| 2.6 | SLVm1 3 | 3 | -817 | -347.45 | 580 | -25376 | - | 0.03 | 580 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10794.13 | - | | | | | | | |
| 2.6 | SLVm1 4 | 3 | -817 | -347.45 | 580 | -25376 | - | 0.03 | 580 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10794.13 | - | | | | | | | |
| 2.6 | SLVm1 1 | 3 | -817 | -466.08 | 842 | -17810 | - | 0.05 | 842 | 5213 | 30696 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 10162.38 | - | | | | | | | |
| 2.6 | SLVm1 2 | 3 | -817 | -466.08 | 842 | -17810 | - | 0.05 | 842 | 5213 | 30696 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 10162.38 | - | | | | | | | |
| 2.6 | SLVm1 3 | 3 | -817 | -347.45 | 747 | -25376 | - | 0.03 | 747 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10794.13 | - | | | | | | | |
| 2.6 | SLVm1 4 | 3 | -817 | -347.45 | 747 | -25376 | - | 0.03 | 747 | 5213 | 30696 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10794.13 | - | | | | | | | |
| 2.8 | SLVm1 1 | 3 | -880 | -634.43 | 842 | -13594 | -9804.14 | 0.06 | 842 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| 2.8 | SLVm1 2 | 3 | -880 | -634.43 | 842 | -13594 | -9804.14 | 0.06 | 842 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| 2.8 | SLVm1 3 | 3 | -880 | -496.85 | 747 | -18024 | - | 0.05 | 747 | 5223 | 30707 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10180.23 | - | | | | | | | |
| 2.8 | SLVm1 4 | 3 | -880 | -496.85 | 747 | -18024 | - | 0.05 | 747 | 5223 | 30707 | 35185 | 2.15 | 0.02 | ok |
| | | | | | | | 10180.23 | - | | | | | | | |
| 2.8 | SLVm1 1 | 3 | -880 | -634.43 | 1040 | -13594 | -9804.14 | 0.06 | 1040 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| 2.8 | SLVm1 2 | 3 | -880 | -634.43 | 1040 | -13594 | -9804.14 | 0.06 | 1040 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| 2.8 | SLVm1 3 | 3 | -880 | -496.85 | 954 | -18024 | - | 0.05 | 954 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 10180.23 | - | | | | | | | |
| 2.8 | SLVm1 4 | 3 | -880 | -496.85 | 954 | -18024 | - | 0.05 | 954 | 5223 | 30707 | 35185 | 2.15 | 0.03 | ok |
| | | | | | | | 10180.23 | - | | | | | | | |
| 3 | SLVm1 1 | 3 | -942 | -842.43 | 1040 | -10670 | -9537.28 | 0.09 | 1040 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| 3 | SLVm1 2 | 3 | -942 | -842.43 | 1040 | -10670 | -9537.28 | 0.09 | 1040 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| 3 | SLVm1 3 | 3 | -942 | -687.71 | 954 | -13414 | -9787.77 | 0.07 | 954 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| 3 | SLVm1 4 | 3 | -942 | -687.71 | 954 | -13414 | -9787.77 | 0.07 | 954 | 5232 | 30717 | 35185 | 2.15 | 0.03 | ok |
| 3 | SLVm1 1 | 3 | -942 | -842.43 | 662 | -10670 | -9537.28 | 0.09 | 662 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| 3 | SLVm1 2 | 3 | -942 | -842.43 | 662 | -10670 | -9537.28 | 0.09 | 662 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| 3 | SLVm1 3 | 3 | -942 | -687.71 | 627 | -13414 | -9787.77 | 0.07 | 627 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| 3 | SLVm1 4 | 3 | -942 | -687.71 | 627 | -13414 | -9787.77 | 0.07 | 627 | 5232 | 30717 | 35185 | 2.15 | 0.02 | ok |
| 3.2 | SLVm1 1 | 3 | -1005 | -974.79 | 662 | -9748 | -9452.11 | 0.1 | 662 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| 3.2 | SLVm1 2 | 3 | -1005 | -974.79 | 662 | -9748 | -9452.11 | 0.1 | 662 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| 3.2 | SLVm1 3 | 3 | -1005 | -813.06 | 627 | -11936 | -9653.15 | 0.08 | 627 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| 3.2 | SLVm1 4 | 3 | -1005 | -813.06 | 627 | -11936 | -9653.15 | 0.08 | 627 | 5242 | 30728 | 35185 | 2.15 | 0.02 | ok |
| 3.2 | SLVm1 1 | 3 | -1005 | -974.79 | 267 | -9748 | -9452.11 | 0.1 | 267 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| 3.2 | SLVm1 2 | 3 | -1005 | -974.79 | 267 | -9748 | -9452.11 | 0.1 | 267 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| 3.2 | SLVm1 3 | 3 | -1005 | -813.06 | 277 | -11936 | -9653.15 | 0.08 | 277 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| 3.2 | SLVm1 4 | 3 | -1005 | -813.06 | 277 | -11936 | -9653.15 | 0.08 | 277 | 5242 | 30728 | 35185 | 2.15 | 0.01 | ok |
| 3.4 | SLVm1 1 | 3 | -1068 | -1028.25 | 267 | -9826 | -9459.34 | 0.11 | 267 | 5251 | 30739 | 35185 | 2.15 | 0.01 | ok |
| 3.4 | SLVm1 2 | 3 | -1068 | -1028.25 | 267 | -9826 | -9459.34 | 0.11 | 267 | 5251 | 30739 | 35185 | 2.15 | 0.01 | ok |
| 3.4 | SLVm1 3 | 3 | -1068 | -868.49 | 277 | -11864 | -9646.64 | 0.09 | 277 | 5251 | 30739 | 35185 | 2.15 | 0.01 | ok |
| 3.4 | SLVm1 4 | 3 | -1068 | -868.49 | 277 | -11864 | -9646.64 | 0.09 | 277 | 5251 | 30739 | 35185 | 2.15 | 0.01 | ok |
| 3.4 | SLVm1 1 | 3 | -1068 | -1028.25 | -41 | -9826 | -9459.34 | 0.11 | 41 | 5251 | 30739 | 35185 | 2.15 | 0 | ok |
| 3.4 | SLVm1 2 | 3 | -1068 | -1028.25 | -41 | -9826 | -9459.34 | 0.11 | 41 | 5251 | 30739 | 35185 | 2.15 | 0 | ok |
| 3.4 | SLVm1 3 | 3 | -1068 | -868.49 | 2 | -11864 | -9646.64 | 0.09 | 2 | 5251 | 30739 | 35185 | 2.15 | 0 | ok |
| 3.4 | SLVm1 4 | 3 | -1068 | -868.49 | 2 | -11864 | -9646.64 | 0.09 | 2 | 5251 | 30739 | 35185 | 2.15 | 0 | ok |
| 3.6 | SLVm1 1 | 3 | -1131 | -1020 | -41 | -10564 | -9527.5 | 0.11 | 41 | 5261 | 30750 | 35185 | 2.15 | 0 | ok |
| 3.6 | SLVm1 2 | 3 | -1131 | -1020 | -41 | -10564 | -9527.5 | 0.11 | 41 | 5261 | 30750 | 35185 | 2.15 | 0 | ok |
| 3.6 | SLVm1 3 | 3 | -1131 | -868.92 | 2 | -12649 | -9718.11 | 0.09 | 2 | 5261 | 30750 | 35185 | 2.15 | 0 | ok |
| 3.6 | SLVm1 4 | 3 | -1131 | -868.92 | 2 | -12649 | -9718.11 | 0.09 | 2 | 5261 | 30750 | 35185 | 2.15 | 0 | ok |
| 3.6 | SLVm1 1 | 3 | -1131 | -1020 | -272 | -10564 | -9527.5 | 0.11 | 272 | 5261 | 30750 | 35185 | 2.15 | 0.01 | ok |
| 3.6 | SLVm1 2 | 3 | -1131 | -1020 | -272 | -10564 | -9527.5 | 0.11 | 272 | 5261 | 30750 | 35185 | 2.15 | 0.01 | ok |
| 3.6 | SLVm1 3 | 3 | -1131 | -868.92 | -206 | -12649 | -9718.11 | 0.09 | 206 | 5261 | 30750 | 35185 | 2.15 | 0.01 | ok |
| 3.6 | SLVm1 4 | 3 | -1131 | -868.92 | -206 | -12649 | -9718.11 | 0.09 | 206 | 5261 | | | | | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver | |
|--------------|---------|-----|-------|---------|------|-----------------|----------|-------|--------|------|-------|-------|-------|-------|------|----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | | |
| 4 | SLVm1 2 | 3 | -1257 | -878.33 | -436 | -14092 | -9849.52 | 0.09 | 436 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok | |
| 4 | SLVm1 3 | 3 | -1257 | -756.96 | -354 | -16720 | - | 0.08 | 354 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok | |
| 4 | SLVm1 4 | 3 | -1257 | -756.96 | -354 | -16720 | 10071.35 | - | 0.08 | 354 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok |
| 4 | SLVm1 1 | 3 | -1257 | -878.33 | -542 | -14092 | -9849.52 | 0.09 | 542 | 5279 | 30772 | 35185 | 2.15 | 0.02 | ok | |
| 4 | SLVm1 2 | 3 | -1257 | -878.33 | -542 | -14092 | -9849.52 | 0.09 | 542 | 5279 | 30772 | 35185 | 2.15 | 0.02 | ok | |
| 4 | SLVm1 3 | 3 | -1257 | -756.96 | -452 | -16720 | - | 0.08 | 452 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok | |
| 4 | SLVm1 4 | 3 | -1257 | -756.96 | -452 | -16720 | 10071.35 | - | 0.08 | 452 | 5279 | 30772 | 35185 | 2.15 | 0.01 | ok |
| 4.2 | SLVm1 1 | 3 | -1319 | -769.94 | -542 | -17350 | - | 0.08 | 542 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok | |
| 4.2 | SLVm1 2 | 3 | -1319 | -769.94 | -542 | -17350 | 10123.97 | - | 0.08 | 542 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| 4.2 | SLVm1 3 | 3 | -1319 | -666.51 | -452 | -20575 | - | 0.06 | 452 | 5289 | 30782 | 35185 | 2.15 | 0.01 | ok | |
| 4.2 | SLVm1 4 | 3 | -1319 | -666.51 | -452 | -20575 | 10393.27 | - | 0.06 | 452 | 5289 | 30782 | 35185 | 2.15 | 0.01 | ok |
| 4.2 | SLVm1 1 | 3 | -1319 | -769.94 | -600 | -17350 | - | 0.08 | 600 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok | |
| 4.2 | SLVm1 2 | 3 | -1319 | -769.94 | -600 | -17350 | 10123.97 | - | 0.08 | 600 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| 4.2 | SLVm1 3 | 3 | -1319 | -666.51 | -508 | -20575 | - | 0.06 | 508 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok | |
| 4.2 | SLVm1 4 | 3 | -1319 | -666.51 | -508 | -20575 | 10393.27 | - | 0.06 | 508 | 5289 | 30782 | 35185 | 2.15 | 0.02 | ok |
| 4.4 | SLVm1 1 | 3 | -1382 | -649.86 | -600 | -22438 | - | 0.06 | 600 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok | |
| 4.4 | SLVm1 2 | 3 | -1382 | -649.86 | -600 | -22438 | 10548.83 | - | 0.06 | 600 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| 4.4 | SLVm1 3 | 3 | -1382 | -564.88 | -508 | -26681 | - | 0.05 | 508 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok | |
| 4.4 | SLVm1 4 | 3 | -1382 | -564.88 | -508 | -26681 | 10903.05 | - | 0.05 | 508 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| 4.4 | SLVm1 1 | 3 | -1382 | -649.86 | -620 | -22438 | - | 0.06 | 620 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok | |
| 4.4 | SLVm1 2 | 3 | -1382 | -649.86 | -620 | -22438 | 10548.83 | - | 0.06 | 620 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| 4.4 | SLVm1 3 | 3 | -1382 | -564.88 | -530 | -26681 | - | 0.05 | 530 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok | |
| 4.4 | SLVm1 4 | 3 | -1382 | -564.88 | -530 | -26681 | 10903.05 | - | 0.05 | 530 | 5298 | 30793 | 35185 | 2.15 | 0.02 | ok |
| 4.6 | SLVm1 1 | 3 | -1445 | -525.77 | -620 | -30941 | - | 0.05 | 620 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok | |
| 4.6 | SLVm1 2 | 3 | -1445 | -525.77 | -620 | -30941 | 11256.84 | - | 0.05 | 620 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| 4.6 | SLVm1 3 | 3 | -1445 | -458.88 | -530 | -35781 | - | 0.04 | 530 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok | |
| 4.6 | SLVm1 4 | 3 | -1445 | -458.88 | -530 | -35781 | 11361.73 | - | 0.04 | 530 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| 4.6 | SLVm1 1 | 3 | -1445 | -525.77 | -607 | -30941 | - | 0.05 | 607 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok | |
| 4.6 | SLVm1 2 | 3 | -1445 | -525.77 | -607 | -30941 | 11256.84 | - | 0.05 | 607 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| 4.6 | SLVm1 3 | 3 | -1445 | -458.88 | -523 | -35781 | - | 0.04 | 523 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok | |
| 4.6 | SLVm1 4 | 3 | -1445 | -458.88 | -523 | -35781 | 11361.73 | - | 0.04 | 523 | 5308 | 30804 | 35185 | 2.15 | 0.02 | ok |
| 4.8 | SLVm1 1 | 3 | -1508 | -404.44 | -607 | -42082 | - | 0.04 | 607 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok | |
| 4.8 | SLVm1 2 | 3 | -1508 | -404.44 | -607 | -42082 | 11286.47 | - | 0.04 | 607 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| 4.8 | SLVm1 3 | 3 | -1508 | -354.29 | -523 | -47750 | - | 0.03 | 523 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok | |
| 4.8 | SLVm1 4 | 3 | -1508 | -354.29 | -523 | -47750 | 11218.77 | - | 0.03 | 523 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| 4.8 | SLVm1 1 | 3 | -1508 | -404.44 | -561 | -42082 | - | 0.04 | 561 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok | |
| 4.8 | SLVm1 2 | 3 | -1508 | -404.44 | -561 | -42082 | 11286.47 | - | 0.04 | 561 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| 4.8 | SLVm1 3 | 3 | -1508 | -354.29 | -487 | -47750 | - | 0.03 | 487 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok | |
| 4.8 | SLVm1 4 | 3 | -1508 | -354.29 | -487 | -47750 | 11218.77 | - | 0.03 | 487 | 5317 | 30815 | 35185 | 2.15 | 0.02 | ok |
| 5 | SLVm1 1 | 3 | -1571 | -292.21 | -561 | -59519 | -11071.9 | 0.03 | 561 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok | |
| 5 | SLVm1 2 | 3 | -1571 | -292.21 | -561 | -59519 | -11071.9 | 0.03 | 561 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok | |
| 5 | SLVm1 3 | 3 | -1571 | -256.85 | -487 | -67112 | - | 0.02 | 487 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok | |
| 5 | SLVm1 4 | 3 | -1571 | -256.85 | -487 | -67112 | 10974.07 | - | 0.02 | 487 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok |
| 5 | SLVm1 1 | 3 | -1571 | -292.21 | -492 | -59519 | -11071.9 | 0.03 | 492 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok | |
| 5 | SLVm1 2 | 3 | -1571 | -292.21 | -492 | -59519 | -11071.9 | 0.03 | 492 | 5327 | 30826 | 35185 | 2.15 | 0.02 | ok | |
| 5 | SLVm1 3 | 3 | -1571 | -256.85 | -430 | -67112 | - | 0.02 | 430 | 5327 | 30826 | 35185 | 2.15 | 0.01 | ok | |
| 5 | SLVm1 4 | 3 | -1571 | -256.85 | -430 | -67112 | 10974.07 | - | 0.02 | 430 | 5327 | 30826 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | SLVm1 1 | 3 | -1634 | -193.79 | -492 | -86609 | - | 0.02 | 492 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok | |
| 5.2 | SLVm1 2 | 3 | -1634 | -193.79 | -492 | -86609 | 10273.98 | - | 0.02 | 492 | 5336 | 30836 | 35185 | 2.15 | 0.02 | ok |
| 5.2 | SLVm1 3 | 3 | -1634 | -170.9 | -430 | -96341 | -10078.5 | 0.02 | 430 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok | |
| 5.2 | SLVm1 4 | 3 | -1634 | -170.9 | -430 | -96341 | -10078.5 | 0.02 | 430 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok | |
| 5.2 | SLVm1 1 | 3 | -1634 | -193.79 | -405 | -86609 | - | 0.02 | 405 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok | |
| 5.2 | SLVm1 2 | 3 | -1634 | -193.79 | -405 | -86609 | 10273.98 | - | 0.02 | 405 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok |
| 5.2 | SLVm1 3 | 3 | -1634 | -170.9 | -356 | -96341 | -10078.5 | 0.02 | 356 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok | |
| 5.2 | SLVm1 4 | 3 | -1634 | -170.9 | -356 | -96341 | -10078.5 | 0.02 | 356 | 5336 | 30836 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 1 | 3 | -1696 | -112.75 | -405 | -114584 | -7615.15 | 0.01 | 405 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 2 | 3 | -1696 | -112.75 | -405 | -114584 | -7615.15 | 0.01 | 405 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 3 | 3 | -1696 | -99.74 | -356 | -122927 | -7227.44 | 0.01 | 356 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 4 | 3 | -1696 | -99.74 | -356 | -122927 | -7227.44 | 0.01 | 356 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 1 | 3 | -1696 | -112.75 | -304 | -114584 | -7615.15 | 0.01 | 304 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 2 | 3 | -1696 | -112.75 | -304 | -114584 | -7615.15 | 0.01 | 304 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 3 | 3 | -1696 | -99.74 | -269 | -122927 | -7227.44 | 0.01 | 269 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.4 | SLVm1 4 | 3 | -1696 | -99.74 | -269 | -122927 | -7227.44 | 0.01 | 269 | 5346 | 30847 | 35185 | 2.15 | 0.01 | ok | |
| 5.6 | SLVm1 1 | 3 | -1759 | -51.87 | -304 | -134302 | -3959.65 | 0.01 | 304 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok | |

| Dati sezione | | | | | | Pressoflessione | | | Taglio | | | | | | Ver |
|--------------|---------|-----|-------|--------|------|-----------------|----------|-------|--------|------|-------|-------|------|-------|-----|
| Z | Cmb | Stg | N | Mx | T | Nu | Mxu | 1/CSf | VEd | VRd | VRcd | VRsd | Cotg | 1/CSt | |
| 5.6 | SLVm1 2 | 3 | -1759 | -51.87 | -304 | -134302 | -3959.65 | 0.01 | 304 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 3 | 3 | -1759 | -46.04 | -269 | -138568 | -3625.92 | 0.01 | 269 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 4 | 3 | -1759 | -46.04 | -269 | -138568 | -3625.92 | 0.01 | 269 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 1 | 3 | -1759 | -51.87 | -192 | -134302 | -3959.65 | 0.01 | 192 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 2 | 3 | -1759 | -51.87 | -192 | -134302 | -3959.65 | 0.01 | 192 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 3 | 3 | -1759 | -46.04 | -170 | -138568 | -3625.92 | 0.01 | 170 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.6 | SLVm1 4 | 3 | -1759 | -46.04 | -170 | -138568 | -3625.92 | 0.01 | 170 | 5355 | 30858 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 1 | 3 | -1822 | -13.54 | -192 | -140939 | -1047.32 | 0.01 | 192 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 2 | 3 | -1822 | -13.54 | -192 | -140939 | -1047.32 | 0.01 | 192 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 3 | 3 | -1822 | -12.06 | -170 | -140939 | -933.15 | 0.01 | 170 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 4 | 3 | -1822 | -12.06 | -170 | -140939 | -933.15 | 0.01 | 170 | 5364 | 30869 | 35185 | 2.15 | 0.01 | ok |
| 5.8 | SLVm1 1 | 3 | -1822 | -13.54 | -68 | -140939 | -1047.32 | 0.01 | 68 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 2 | 3 | -1822 | -13.54 | -68 | -140939 | -1047.32 | 0.01 | 68 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 3 | 3 | -1822 | -12.06 | -60 | -140939 | -933.15 | 0.01 | 60 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |
| 5.8 | SLVm1 4 | 3 | -1822 | -12.06 | -60 | -140939 | -933.15 | 0.01 | 60 | 5364 | 30869 | 35185 | 2.15 | 0 | ok |

Significato dei simboli utilizzati:

- Z:** coordinata Z del punto di verifica [m]
Ver: stato di verifica
Armatura longitudinale: armatura longitudinale
AaeTot: area acciaio efficace totale [m²]
Aai: area acciaio inferiore [m²]
Aas: area acciaio superiore [m²]
Pat: percentuale di armatura totale
Pmin: percentuale di armatura minima consentita
Pmax: percentuale di armatura massima consentita
Staffe: staffe
Dst: diametro staffe presente [m]
DstMin: diametro staffe minimo [m]
Pst: passo staffe presente [m]
PstMax: passo staffe massimo [m]
Dati sezione: dati di verifica della sezione
Cmb: combinazione di calcolo
Stg: fase di calcolo
N: sforzo normale di progetto [daN]
Mx: momento flettente di progetto [daN*m]
T: sforzo di taglio di progetto [daN]
Pressoflessione: verifiche a Pressoflessione
Nu: sforzo normale ultimo [daN]
Mxu: momento flettente ultimo [daN*m]
1/CSf: inverso del Coefficiente di sicurezza a pressoflessione
Taglio: verifiche a Taglio
VEd: taglio sollecitante di calcolo [daN]
VRd: taglio resistente sezione non staffata [daN]
VRcd: taglio che produce la rottura delle bielle [daN]
VRsd: taglio resistente sezione staffata [daN]
Cotg: cotangente inclinazione traliccio
1/CSt: inverso del Coefficiente di sicurezza a taglio
Tensioni: tensioni su cls ed armatura
Sc: tensione minima sul cls (max compressione) [daN/m²]
Sf: tensione massima sull'acciaio (max trazione) [daN/m²]
Sc,a: tensione ammissibile sul cls [daN/m²]
Sf,a: tensione ammissibile sull'acciaio [daN/m²]
1/CSt: inverso del coeff. di sicurezza sulle tensioni raggiunte su cls e/o armatura
Fessure: fessurazione della sezione
Fess: sezione fessurata (si o no)
Wm: apertura media delle fessure [m]
Wadm: apertura ammissibile delle fessure [m]
Srm: distanza media tra le fessure [m]
1/CSf: inverso del coeff. di sicurezza a fessurazione