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RILOCALIZZAZIONE DELL' AUTOPORTO DI SUSAS

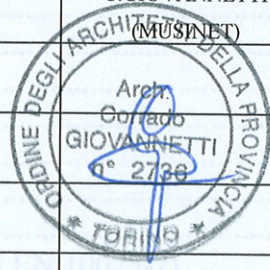
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PROLUNGAMENTO SOTTOPASSO PK 24+358 - RELAZIONE DI CALCOLO

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1. Premessa

Il presente elaborato è parte integrante del Progetto Definitivo del “Collegamento Lione – Torino – Rilocalizzazione dell’Autoporto di Susa”. L’intervento consiste nella rilocalizzazione dell’area dell’Autoporto e dell’area di servizio dall’attuale posizione, ubicata nel comune di Susa (TO), alla nuova, situata all’interno del territorio comunale di San Didero (TO).

In particolare, nella presente relazione di calcolo sono illustrate le scelte progettuali e le verifiche di sicurezza relative allo stato di fatto ed allo stato di progetto del sottopasso situato alla progressiva K 24+358 dell’Autostrada A32 Torino – Bardonecchia.

Il documento è stato redatto in osservanza delle Norme Tecniche per le Costruzioni di cui al DM 14/01/2008, utilizzando la metodologia di verifica agli Stati Limite.

2. Normativa di riferimento

Il presente documento è stato redatto in osservanza delle seguenti normative:

- **Legge 5 Novembre 1971 n. 1086** – “*Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica*” ;
- **Circolare LL.PP. 14 Febbraio 1974 n. 11951** – “*Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica – Istruzioni per l'applicazione*” ;
- **D.M. LL.PP. 14 Gennaio 2008** - “*Norme tecniche per le costruzioni*”;
- **Circolare LL.PP. 2 Febbraio 2009 n. 617-** *Istruzioni per l'applicazione delle “Norme tecniche per le costruzioni” di cui al D.M. 14 gennaio 2008.*
- **Eurocodice 7, EN 1997-1:2004** – “*Geotechnical design - Part 1: General rules*”.

3. Descrizione delle opere

3.1 Stato di fatto

Il sottopasso è costituito da due impalcati separati (uno per la carreggiata di discesa ed uno per quella di salita); essi presentano larghezza pari a 12.50 e luce di 22.00 m con schema statico di trave in semplice appoggio. Entrambi gli impalcati delle due carreggiate scaricano per ciascun lato su un'unica spalla mediante cuscinetti in neoprene. Il sistema di fondazione è costituito da colonne in pali jet grouting di 60 cm di diametro, di cui le file perimetrali risultano armate con tubi di acciaio.

Gli impalcati sono realizzati con travi prefabbricate a cassoncino con ala larga inferiore in c.a.p. affiancate poste ad interasse 2.00 m, con altezza di 1.05 m e spessore delle anime di 14.5 cm.

Le travi sono collegate da una soletta di 22 cm di spessore, gettata su coppelle autoportanti, e dai trasversi di testata.

Le spalle sono in calcestruzzo armato, con spessore del paramento di 1.40 m. La larghezza del plinto, alto 1.80 m, è di 6.50 m nel senso longitudinale dell'impalcato e poggia su 5 file di colonne jet grouting disposte ad interasse di 1.30 m nel senso trasversale e di 1.60 m nel senso longitudinale del plinto.

3.2 Stato di progetto

Gli interventi sul sottopasso situato alla progressiva K 24+358 rientrano nell'ambito del Progetto di Delocalizzazione dell'Autoporto di Susa ed in particolare riguardano gli interventi di adeguamento dell'attuale tracciato autostradale della A32 con la realizzazione di rampe di ingresso e di uscita per il nuovo Autoporto.

Per il sottopasso in oggetto è previsto un allargamento di 2.30 m dell'impalcato a servizio del senso di marcia in direzione Bardonecchia, necessario per la realizzazione della nuova rampe di uscita dalla A32.

Nel caso del sottopasso in oggetto, l'allargamento dell'impalcato comporta la necessità di allargare anche le spalle e le fondazioni; poiché ciò porta ad ottenere un organismo strutturale diverso dal precedente, si è reso necessario prevedere anche degli interventi di adeguamento sismico in quanto le colonne di jet grouting esistenti non sono risultate idonee a resistere alle azioni taglianti indotte dal sisma di progetto e gli appoggi in neoprene non sono in grado di trasmettere l'azione sismica alle sottostrutture. Pertanto sono stati previsti anche degli interventi atti ad eliminare tali criticità, consistenti nella disposizione di 10 tiranti passivi lungo lo sviluppo orizzontale del paramento e di ritegni sismici metallici.

Si rimanda agli elaborati grafici strutturali di progetto per un riscontro più accurato.

4. Rilievo delle strutture esistenti

4.1 Premessa

La definizione della geometria della struttura, delle caratteristiche meccaniche dei materiali e l'individuazione di dimensioni e dettagli costruttivi degli elementi strutturali è avvenuta nel rispetto di quanto prescritto al paragrafo C8A.8.4 – *Circolare n.617*.

Pertanto si ritiene che il livello di conoscenza conseguito è quello massimo, LC3, cui corrisponde un fattore di confidenza FC=1.

Si indicano di seguito le modalità di svolgimento del rilievo delle strutture esistenti.

4.2 Rilievo geometrico e dei dettagli costruttivi

La geometria ed i dettagli costruttivi dell'opera nel suo stato attuale è stata desunta dai disegni costruttivi originali e mediante un rilievo visivo *in situ*. In particolare, è stato necessario individuare:

- dimensioni di tutti gli elementi strutturali;
- quantità, diametro e disposizione delle armature.

4.3 Caratteristiche meccaniche dei materiali

Le caratteristiche meccaniche dei materiali, conglomerati ed acciaio, sono state definite a partire dalle indicazioni iniziali di progetto. A sostegno della bontà di tali indicazioni si riporta quanto asserito a pagina 9 della “Relazione e Certificato di Collaudo Statico” del sottopasso esistente, depositata presso il Servizio Opere Pubbliche e Difesa del Suolo della Regione Piemonte in data 29.05.1990 con Pratica n. 2222: “.....*I sottoscritti Collaudatori hanno preso visione dei certificati di prova sui materiali impiegati nella costruzione dell'opera in oggetto.....relativi ai calcestruzzi, agli acciai ordinari, e a quelli pretesi; sono stati pure visionati i documenti ufficiali di qualifica all'origine relativi ai materiali impiegati nella costruzione dell'opera. Da tutti questi documenti si rileva come le modalità di prelievo e i risultati sperimentali ottenuti in ordine alle caratteristiche dei calcestruzzi, dell'acciaio ordinario e dei trefoli di acciaio preteso siano conformi con le norme vigenti; i valori caratteristici determinati sono risultati inoltre uguali o superiori ai valori minimi richiesti in sede di progetto.*”.

5. Interventi di adeguamento sismico

Il sottopasso oggetto della presente relazione tecnica è interessato da interventi di allargamento delle strutture costituenti le spalle e l'impalcato della correggiata che si percorre con senso di marcia verso Bardonecchia (salita). Per tali tipologie di interventi è risultato necessario adeguare sismicamente le strutture costituenti il sottopasso al fine di adempiere alle prescrizioni del paragrafo 8.4.1.b - NTC che obbliga alla valutazione della sicurezza e, qualora necessario (come nel caso in oggetto), all'adeguamento sismico quando il progetto preveda di “*ampliare la costruzione mediante opere strutturalmente connesse alla costruzione*”.

Pertanto la valutazione della sicurezza è stata finalizzata a verificare che la struttura, a seguito dell'intervento, sia in grado di resistere alle combinazioni delle azioni di progetto contenute nelle NTC, con il grado di sicurezza richiesto dalle stesse.

6. Caratterizzazione geotecnica dei terreni

6.1 Inquadramento geologico e parametri geotecnici

L'area di progetto è situata nella bassa Valle di Susa e ricade nel comune di San Didero (TO). L'intervento di Delocalizzazione dell'Autoporto nell'area di San Didero prevede, oltre alla realizzazione di due edifici destinati a posto di controllo ed area di servizio e la realizzazione di aree di sosta per mezzi pesanti, una serie di interventi di adeguamento del tracciato autostradale con la realizzazione in viadotto delle rampe di ingresso e di uscita dall'autostrada A32 Torino-Bardonecchia.

Per una completa descrizione dell'area si rimanda alla Relazione geologico-geotecnica (Elaborato PD2-C3A-MUS-1200-0-PA-NOT). In sintesi, l'area è impostata sui depositi quaternari della Dora Riparia che scorre nelle immediate vicinanze. Dalle analisi delle stratigrafie dei sondaggi realizzati si evince che si tratta di sedimenti prevalentemente medio-grossolani costituiti da ghiaie e ghiaie ciottolose in matrice sabbiosa o sabbioso-limosa, passanti localmente a sabbie limose con ghiaia e locali ciottoli. Il basamento roccioso, che non viene raggiunto dalle opere in progetto, è costituito dai litotipi appartenenti all'Unità tettometamorfica del Dora-Maira.

In base alle unità litostratigrafiche individuate ed in base ai risultati delle prove in foro e di laboratorio realizzate, è stato possibile riconoscere nell'area di studio quattro unità geotecniche fondamentali:

- *unità geotecnica UG1*: comprende l'orizzonte di potenza variabile di terreno di riporto di tipo prevalentemente ghiaioso-ciottoloso con subordinata sabbia limosa;
- *unità geotecnica UG2*: corrispondente ai depositi prevalentemente costituiti da sabbia e sabbia limosa con ghiaia e rari ciottoli presenti localmente nei primi metri al di sotto dei terreni dell' UG1;
- *unità geotecnica UG3*: è l'unità dominante e comprende i depositi più grossolani rappresentati da ghiaie con ciottoli in matrice sabbiosa o sabbioso-limosa caratterizzati da un grado di addensamento da medio ad alto;
- *unità geotecnica UG4*: è costituita da depositi più fini limoso-sabbiosi con subordinata ghiaia. Tali terreni formano livelli discontinui di potenza ridotta (mediamente metrica) intercalati all'interno dei litotipi dell'unità sopradescritta a partire da circa 15m di profondità.

Nei calcoli geotecnici riportati nella presente relazione sono utilizzati i valori riportati nella seguente tabella, desunta dalle indagini geognostiche eseguite.

| Unità geotecnica | Descrizione | z_{sup} [m] | z_{inf} [m] | H [m] | γ_n [kN/m ³] | c [kPa] | φ [°] | E_{Young} [MPa] |
|------------------|---|---------------|---------------|-------|---------------------------------|---------|---------------|-------------------|
| UG1 | Terreno vegetale e di riporto ghiaioso-sabbioso | 0 | 3 | 3 | 19 | 0 | 28 | 23 |
| UG3 | Ghiaia con ciottoli in matrice sabbiosa-limosa | 3 | 15 | 12 | 21 | 0 | 37 | 75 |
| UG4 | Limi sabbiosi con subordinata ghiaia | 15 | 16 | 1 | 20 | 5 | 28 | 45 |
| UG3 | Ghiaia con ciottoli in matrice sabbiosa-limosa | 16 | 24 | 8 | 21 | 0 | 37 | 75 |
| UG4 | Limi sabbiosi con subordinata ghiaia | 24 | 25 | 1 | 20 | 5 | 28 | 45 |
| UG3 | Ghiaia con ciottoli in matrice sabbiosa-limosa | >25 | - | - | 21 | 0 | 37 | 75 |

Tabella 1 – Stratigrafia e parametri geotecnici

Per il terreno di riporto, costituente il rilevato a tergo delle spalle, si è considerato:

peso per unità di volume $\gamma = 20 \text{ kN/m}^3$
 angolo di attrito di calcolo $\phi' = 35^\circ$
 coesione $c' = 0 \text{ kPa}$

La falda è considerata a 3 m dall'attuale piano campagna.

6.2 Caratterizzazione sismica dei terreni

Con riferimento al sottosuolo nell'area di progetto, la caratterizzazione ai fini della valutazione della risposta sismica locale è stata effettuata in fase di progettazione mediante indagini geofisiche in grado di stimare la distribuzione delle onde di taglio nei primi 30 m. In particolare, come ampiamente descritto nella Relazione geologico-geotecnica, sono state effettuate indagini di tipo Tomografiche elettriche, Down-hole e MASW che hanno permesso di classificare il sottosuolo come di categoria B, ossia "Rocce tenere e depositi di terreni a grana grossa molto addensati o terreni a grana fina molto consistenti con spessori superiori a 30 m, caratterizzati da un graduale miglioramento delle proprietà meccaniche con la profondità e da valori di $V_{s,30}$ compresi tra 360 m/s e 800 m/s (ovvero $N_{SPT,30} > 50$ nei terreni a grana grossa e $c_{u,30} > 250 \text{ kPa}$ nei terreni a grana fina)"

Con riferimento all'amplificazione dell'azione sismica per effetto della categoria topografica espressa dal coefficiente S_T , si adotta il seguente coefficiente:

| Categoria | Caratteristica della sup. topografica | S_T |
|-----------|--|-------|
| T1 | Superficie pianeggiante, pendii e rilievi isolati con inclinazione media $\leq 15^\circ$ | 1.0 |

Tabella 2 – Coefficiente di amplificazione topografica

Ne consegue che i valori dei coefficienti di amplificazione stratigrafica S_s e C_c sono pari a:

$$S_s = 1.198 \quad C_c = 1.430$$

7. Schematizzazione delle strutture

7.1 Premessa

Nel presente paragrafo vengono riportate, nell'ordine, le caratteristiche dei materiali adottati e di quelli esistenti, l'analisi dei carichi ed il calcolo delle forze sismiche.

7.2 Caratteristiche dei materiali delle strutture esistenti

Si riportano di seguito i valori medi delle resistenze dei materiali costituenti le strutture esistenti, desunti secondo le modalità indicate nei paragrafi precedenti.

Si evidenzia che, in accordo con le indicazioni della Tabella C8.4 – Circolare n.617, per il calcolo della capacità di elementi/meccanismi duttili si impiegano le proprietà dei materiali esistenti divise per i fattori di confidenza e per il calcolo di quella degli elementi fragili primari, le resistenze dei materiali si dividono per i corrispondenti coefficienti parziali e per i fattori di confidenza. Pertanto, nel caso in esame, avendo potuto ottenere un fattore di confidenza unitario, i valori medi di resistenza dei materiali delle strutture esistenti saranno ridotti, dove necessario, soltanto mediante i classici coefficienti parziali di sicurezza.

Solo per quanto riguarda il valore della resistenza del materiale costituente le colonne di jet grouting, che è stato desunto da prove eseguite sulle fondazioni di altri viadotti della A32 in cui sono presenti sovrastrutture fondate mediante tale tecnologia, si considera un Livello di conoscenza LC1, a cui corrisponde un fattore di confidenza $FC = 1.35$.

7.2.1 Conglomerato di classe di resistenza $R_{cm} = 25\text{Mpa}$

(per le spalle ed i plinti)

| | | |
|--|------------------------------|-------------------------|
| Modulo elastico medio | $E_c = 27386$ | MPa |
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | $^{\circ}\text{C}^{-1}$ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Resistenza media cubica a compressione | $R_{cm} = 25$ | MPa |
| Resistenza media cilindrica a compressione | $f_{cm} = 20.75$ | MPa |
| Resistenza media a trazione semplice | $f_{ctm} = 2.27$ | MPa |
| Resistenza media a trazione per flessione | $f_{cfm} = 2.72$ | MPa |
| Resistenza di calcolo a compressione (Dutt.) | $f_{cd} = 20.75$ | MPa |
| Resistenza di calcolo a compressione (Frag.) | $f_{cd} = 13.83$ | MPa |
| Resistenza di calcolo a trazione | $f_{ctd} = 1.51$ | MPa |
| Resistenza tang. media di aderenza | $f_{bm} = 5.10$ | MPa |
| Resistenza tang. di aderenza di calcolo | $f_{bd} = 3.40$ | MPa |

7.2.2 Conglomerato di classe di resistenza $R_{cm} = 35\text{Mpa}$

(per soletta e trasversi dell'impalcato)

| | | |
|--|------------------------------|-------------------------|
| Modulo elastico medio | $E_c = 30295$ | MPa |
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | $^{\circ}\text{C}^{-1}$ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Resistenza media cubica a compressione | $R_{cm} = 35$ | MPa |
| Resistenza media cilindrica a compressione | $f_{cm} = 29.05$ | MPa |
| Resistenza media a trazione semplice | $f_{ctm} = 2.83$ | MPa |
| Resistenza media a trazione per flessione | $f_{ctfm} = 3.40$ | MPa |
| Resistenza di calcolo a compressione (Dutt.) | $f_{cd} = 29.05$ | MPa |
| Resistenza di calcolo a compressione (Frag.) | $f_{cd} = 19.37$ | MPa |
| Resistenza di calcolo a trazione | $f_{ctd} = 1.89$ | MPa |
| Resistenza tang. media di aderenza | $f_{bm} = 6.38$ | MPa |
| Resistenza tang. di aderenza di calcolo | $f_{bd} = 4.25$ | MPa |

7.2.3 Conglomerato di classe di resistenza $R_{cm} = 55\text{Mpa}$

(per travi prefabbricate dell'impalcato)

| | | |
|--|------------------------------|-------------------------|
| Modulo elastico medio | $E_c = 34694$ | MPa |
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | $^{\circ}\text{C}^{-1}$ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Resistenza media cubica a compressione | $R_{cm} = 55$ | MPa |
| Resistenza media cilindrica a compressione | $f_{cm} = 45.65$ | MPa |
| Resistenza media a trazione semplice | $f_{ctm} = 3.83$ | MPa |
| Resistenza media a trazione per flessione | $f_{ctfm} = 4.60$ | MPa |
| Resistenza di calcolo a compressione (Dutt.) | $f_{cd} = 45.65$ | MPa |
| Resistenza di calcolo a compressione (Frag.) | $f_{cd} = 30.43$ | MPa |
| Resistenza di calcolo a trazione | $f_{ctd} = 2.55$ | MPa |
| Resistenza tang. media di aderenza | $f_{bm} = 8.62$ | MPa |
| Resistenza tang. di aderenza di calcolo | $f_{bd} = 5.75$ | MPa |

7.2.4 Jet grouting $R_{cm} = 8\text{Mpa}$

(per colonne di jet grouting)

| | | |
|--|------------------------------|-------------------------|
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | $^{\circ}\text{C}^{-1}$ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Fattore di confidenza | $FC = 1.35$ | |
| Resistenza media cilindrica a compressione | $f_{cm} = 8.0$ | MPa |
| Resistenza di calcolo a compressione | $f_{cd} = 3.95$ | MPa |

7.2.5 Acciaio da c.a. tipo F_{eB44k}

(per barre e reti di diametro $6.0\text{mm} \leq \varnothing \leq 26.0\text{mm}$)

| | | |
|------------------------------------|-------------------|-----|
| Coefficiente parziale di sicurezza | $\gamma_s = 1.15$ | |
| Tensione media di snervamento | $f_{ym} = 430$ | MPa |
| Tensione media di rottura | $f_{tm} = 540$ | MPa |
| Resistenza di calcolo (Dutt.) | $f_{yd} = 430$ | MPa |
| Resistenza di calcolo (Frag.) | $f_{yd} = 374$ | MPa |

7.2.6 Acciaio da carpenteria metallica $F_e 510$

(per tubolari di armatura jet-grouting)

| | | |
|------------------------------------|-------------------|-----|
| Modulo elastico convenzionale | $E_s = 210000$ | MPa |
| Modulo elasticità trasversale | $G = 80769$ | MPa |
| Coefficiente di Poisson | $\nu = 0.30$ | |
| Coefficiente parziale di sicurezza | $\gamma_s = 1.05$ | |
| Tensione di snervamento | $f_{ym} = 355$ | MPa |
| Tensione di rottura | $f_{tm} = 510$ | MPa |
| Resistenza di calcolo | $f_{yd} = 338.1$ | MPa |

7.3 Caratteristiche dei materiali delle nuove strutture

7.3.1 Conglomerato di classe di resistenza C35/45

(per le solette degli impalcati in sistema misto acciaio-calcestruzzo)

| | | |
|---|------------------------------|------------------|
| Modulo elastico | $E_c = 34625$ | MPa |
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | °C ⁻¹ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Resistenza caratt. cubica a compressione | $R_{ck} = 45$ | MPa |
| Resistenza caratt. cilindrica a compressione | $f_{ck} = 37.35$ | MPa |
| Resistenza media cilindrica a compressione | $f_{cm} = 45.35$ | MPa |
| Resistenza media a trazione semplice | $f_{ctm} = 3.35$ | MPa |
| Resistenza caratteristica a trazione semplice | $f_{ctk} = 2.34$ | MPa |
| Resistenza media a trazione per flessione | $f_{ctfm} = 4.02$ | MPa |
| Resistenza di calcolo a compressione | $f_{cd} = 21.16$ | MPa |
| Resistenza di calcolo a trazione | $f_{ctd} = 1.56$ | MPa |
| Resistenza tang. caratteristica di aderenza | $f_{bk} = 5.26$ | MPa |
| Resistenza tang. di aderenza di calcolo | $f_{bd} = 3.51$ | MPa |

7.3.2 Conglomerato di classe di resistenza C32/40

(per gli allargamenti delle spalle)

| | | |
|---|------------------------------|------------------|
| Modulo elastico | $E_c = 33643$ | MPa |
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | °C ⁻¹ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Resistenza caratt. cubica a compressione | $R_{ck} = 40$ | MPa |
| Resistenza caratt. cilindrica a compressione | $f_{ck} = 33.20$ | MPa |
| Resistenza media cilindrica a compressione | $f_{cm} = 41.20$ | MPa |
| Resistenza media a trazione semplice | $f_{ctm} = 3.10$ | MPa |
| Resistenza caratteristica a trazione semplice | $f_{ctk} = 2.17$ | MPa |
| Resistenza media a trazione per flessione | $f_{ctfm} = 3.72$ | MPa |
| Resistenza di calcolo a compressione | $f_{cd} = 18.81$ | MPa |
| Resistenza di calcolo a trazione | $f_{ctd} = 1.45$ | MPa |
| Resistenza tang. caratteristica di aderenza | $f_{bk} = 4.88$ | MPa |
| Resistenza tang. di aderenza di calcolo | $f_{bd} = 3.25$ | MPa |

7.3.3 Conglomerato di classe di resistenza C28/35

(per le strutture di fondazione)

| | | |
|---|------------------------------|------------------|
| Modulo elastico | $E_c = 32588$ | MPa |
| Coefficiente di Poisson | $\nu = 0.20$ | |
| Coefficiente di dilatazione termica | $\alpha = 10 \times 10^{-6}$ | °C ⁻¹ |
| Coefficiente parziale di sicurezza | $\gamma_c = 1.5$ | |
| Resistenza caratt. cubica a compressione | $R_{ck} = 35$ | MPa |
| Resistenza caratt. cilindrica a compressione | $f_{ck} = 29.05$ | MPa |
| Resistenza media cilindrica a compressione | $f_{cm} = 37.05$ | MPa |
| Resistenza media a trazione semplice | $f_{ctm} = 2.83$ | MPa |
| Resistenza caratteristica a trazione semplice | $f_{ctk} = 1.98$ | MPa |
| Resistenza media a trazione per flessione | $f_{ctm} = 3.40$ | MPa |
| Resistenza di calcolo a compressione | $f_{cd} = 16.46$ | MPa |
| Resistenza di calcolo a trazione | $f_{ctd} = 1.32$ | MPa |
| Resistenza tang. caratteristica di aderenza | $f_{bk} = 4.45$ | MPa |
| Resistenza tang. di aderenza di calcolo | $f_{bd} = 2.97$ | MPa |

7.3.4 Acciaio da c.a. tipo B450C saldabile

(per barre e reti di diametro $6.0\text{mm} \leq \varnothing \leq 40.0\text{mm}$)

| | | |
|--|----------------------|-----|
| Coefficiente parziale di sicurezza | $\gamma_s = 1.15$ | |
| Tensione caratteristica di snervamento | $f_{yk} \geq 450$ | MPa |
| Tensione caratteristica di rottura | $f_{tk} \geq 540$ | MPa |
| Allungamento | $A_{gtk} \geq 7.5\%$ | |
| Resistenza di calcolo | $f_{yd} = 391$ | MPa |

7.3.5 Acciaio da carpenteria metallica S355 (Rif. UNI EN 10025-2)

(per piatti e profilati metallici costituenti i tiranti)

| | | |
|---------------------------------|----------------|-----|
| Modulo elastico (convenzionale) | $E_s = 210000$ | MPa |
| Modulo elasticità trasversale | $G = 80769$ | MPa |
| Coefficiente di Poisson | $\nu = 0.30$ | |
| Tensione di snervamento | $f_{yk} = 355$ | MPa |
| Tensione di rottura | $f_{tk} = 510$ | MPa |

7.3.6 Bulloni di classe 10.9 e dadi classe 10.0

| | | |
|------------------------------------|-----------------|-----|
| Tensione di rottura (UNI 3740) | $f_{tb} = 1000$ | MPa |
| Tensione di snervamento (UNI 3740) | $f_{yb} = 900$ | MPa |

7.3.7 Collegamenti in unioni saldate

Le saldature di elementi in acciaio devono essere effettuate con uno dei procedimenti all'arco elettrico codificati secondo la norma UNI EN ISO 4063/2001. Tutti i procedimenti di saldatura, (manuali, semiautomatici, automatici o robotizzati) dovranno essere qualificati secondo la norma UNI EN ISO 15614-1/2005. Nell'esecuzione delle saldature dovranno inoltre essere rispettate le norme UNI EN 1011/2005 parti 1 e 2 per gli acciai ferritici e della parte 3 per gli acciai inossidabili. La preparazione dei lembi dovrà essere eseguita secondo la norma UNI EN ISO 9692-1/2005.

7.4 Azioni di progetto

I valori delle azioni di seguito assunti, sono stati considerati come valori caratteristici nelle verifiche agli stati limite. Si riportano di seguito le analisi dei carichi unitari applicati alle membrature costituenti la struttura.

Le azioni di progetto, in accordo con quanto prescritto dal D.M. 18.01.2008, vengono di seguito elencate:

7.4.1 Azioni gravitazionali

Peso proprio elementi strutturali in c.a. ed acciaio

| | |
|---|-------------------------|
| Calcestruzzo ordinario armato | 25.00 kN/m ³ |
| Calcestruzzo ordinario armato – soletta esistente | 25.00 kN/m ³ |
| Calcestruzzo ordinario armato – nuova soletta | 26.00 kN/m ³ |
| Acciaio da carpenteria metallica | 78.50 kN/m ³ |

Nel dettaglio, i carichi per peso proprio delle spalle sono automaticamente determinati dal programma di analisi strutturale in funzione delle geometrie degli elementi e del peso specifico del cls ad essi associato.

Impalcato esistente in c.a.p.

Permanenti strutturali

- Soletta collaborante in cls:
 $0.22 \text{ m} * 12.50 \text{ m} * 25.0 \text{ kN/m}^3 = 68.75 \text{ kN/m}$
- Trave prefabbricata:
 $6 * 0.643 \text{ m}^2 * 25.0 \text{ kN/m}^3 = 96.41 \text{ kN/m}$
- Coppelle:
 $6 * 0.04 \text{ m} * 0.96 \text{ m} * 25.0 \text{ kN/m}^3 = 5.73 \text{ kN/m}$
- Trasversi:
 $6 * (0.896 \text{ m}^2 * (0.4 + 0.3/2) \text{ m}) * 25.0 \text{ kN/m}^3 = 73.90 \text{ kN}$

Permanenti portati

- Pavimentazione:
 $11.20 \text{ m} * 3 \text{ kN/m}^2 = 33.60 \text{ kN/m}$
- Guard-rail:
 $1.00 \text{ kN/m} + 1.00 \text{ kN/m} = 2.00 \text{ kN/m}$
- Cordoli:
 $(0.70 \text{ m} * 0.25 \text{ m} + 0.60 \text{ m} * 0.25 \text{ m}) * 25.0 \text{ kN/m}^2 = 8.13 \text{ kN/m}$

Allargamento impalcato

Permanenti strutturali

- Soletta collaborante in cls:
 $0.22 \text{ m} * 2.30 \text{ m} * 26.0 \text{ kN/m}^3 = 13.16 \text{ kN/m}$
- Trave in acciaio:
 $0.1028 \text{ m}^2 * 78.5 \text{ kN/m}^3 = 8.07 \text{ kN/m}$

Permanenti portati

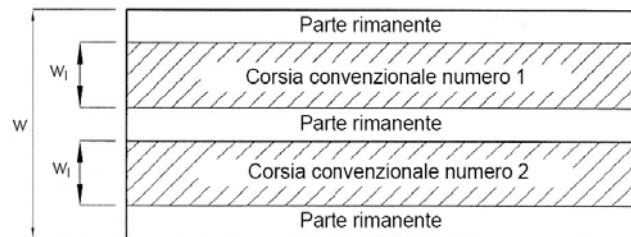
- Pavimentazione:
 $1.5 \text{ m} * 3.00 \text{ kN/m}^2 = 4.50 \text{ kN/m}$
- Guard-rail:
 $1.00 \text{ kN/m} = 1.00 \text{ kN/m}$
- Cordoli:
 $0.80 \text{ m} * 0.15 \text{ m} * 25.0 \text{ kN/m}^2 = 3.00 \text{ kN/m}$

7.4.2 Sovraccarichi variabili da traffico sul terrapieno

Il sovraccarico variabile tenuto in conto sulla sommità del terrapieno è pari a 20.00 kN/m^2 .

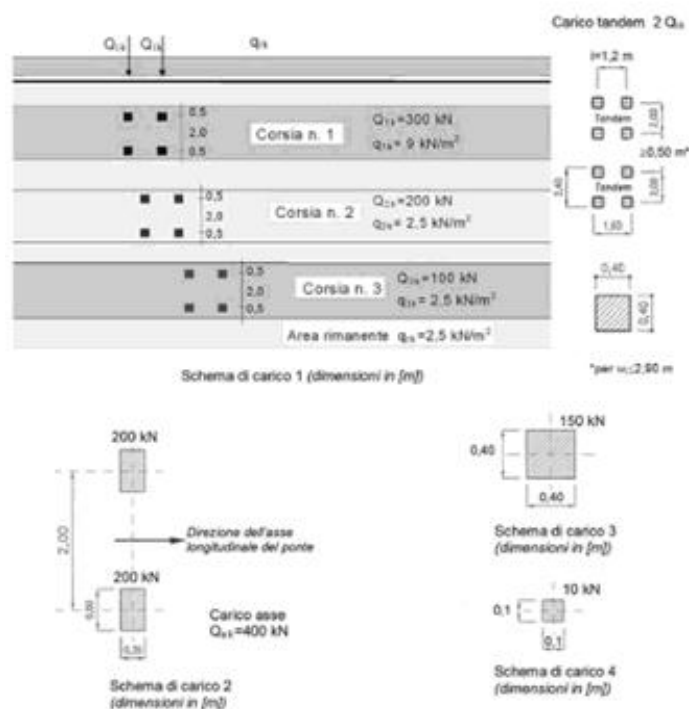
7.4.3 Azioni variabili da traffico

Ai fini della determinazione degli effetti prodotti dalle azioni variabili da traffico, le norme vigenti stabiliscono che l'asse viario di 1^a Categoria venga suddiviso in corsie convenzionali di larghezza pari a 3 m, ed un'area rimanente.



Schema corsie convenzionali

La posizione e la numerazione delle corsie è stata determinata in modo da indurre le più sfavorevoli condizioni di progetto. I carichi da considerare per ponti di 1^a Categoria sono quelli indicati dalla normativa vigente e schematizzati nel modo seguente:



Schemi di azioni variabili da traffico

Sono stati applicati i carichi definiti dagli Schemi di carico 1-5 così come indicato al paragrafo 5.1.3.3.3 - NTC:

7.5 Azioni sismiche

7.5.1 Vita nominale e periodo di riferimento

Per la struttura in oggetto, si assume la vita nominale utile pari a $V_N = 50$ anni, trattandosi di un'opera esistente ordinaria di importanza normale.

Ai fini della valutazione delle azioni sismiche, e con riferimento alle conseguenze di un'improvvisa interruzione di operatività o di un eventuale collasso, è stato assunto che la struttura in esame appartenga alla Classe IV. In base alla classe d'uso, è stato definito un coefficiente d'uso $C_U = 2.0$, mediante il quale si perviene alla definizione del periodo di riferimento per l'azione sismica $V_R = V_N \times C_U = 100$ anni.

Le probabilità di superamento P_{VR} nel periodo di riferimento V_R , sono stabilite dalla norma in funzione dei differenti stati limite; per lo SLV si ha $P_{VR} = 10\%$.

In funzione dei valori del periodo di riferimento V_R e della probabilità di superamento P_{VR} , si definisce il periodo di ritorno T_R mediante la relazione:

$$T_R = -\frac{V_R}{\ln(1 - P_{VR})} = 949 \text{anni (SLV)}$$

La struttura in oggetto ricade nel comune di San Didero (TO), cui sono assegnati, nella mappatura di microzonazione sismica, i seguenti valori dei parametri di pericolosità sismica relativi allo *SLV*:

7.5.2 Spettri di progetto

Lo spettro di risposta elastico della componente orizzontale è definito dalle espressioni seguenti:

$$\begin{aligned}
 0 \leq T \leq T_B & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_0} \left(1 - \frac{T}{T_B} \right) \right] \\
 T_B \leq T \leq T_C & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \\
 T_C \leq T \leq T_D & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \frac{T_C}{T} \\
 T_D \leq T & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \left(\frac{T_C \cdot T_D}{T^2} \right)
 \end{aligned}$$

Lo spettro di progetto $S_d(T)$ da utilizzare per le componenti orizzontali è lo spettro elastico corrispondente riferito alla probabilità di superamento nel periodo di riferimento P_{VR} considerata, con le ordinate ridotte sostituendo nelle formule precedenti η con $1/q$, dove q è il fattore di struttura.

Il valore di q da utilizzare per ciascuna direzione orizzontale dell'azione sismica, dipende dalla tipologia strutturale, dal suo grado di iperstaticità e dai criteri di progettazione adottati e prende in conto le non linearità di materiale.

Per la struttura in esame è stato assunto $q=1.5$ coerentemente con quanto prescritto al paragrafo 7.9.5.6.2 – *NTC* per quanto riguarda l'analisi in direzione longitudinale delle spalle da ponte fisse.

Si riportano di seguito lo spettro elastico e di progetto allo *SLV* calcolati per $V_R=100$ anni.

Parametri e punti dello spettro di risposta orizzontale per lo stato limite: SLV

Parametri indipendenti

| STATO LIMITE | SLV |
|--------------|---------|
| a_g | 0.164 g |
| F_0 | 2.484 |
| T_C^* | 0.269 s |
| S_S | 1.200 |
| C_C | 1.430 |
| S_T | 1.000 |
| q | 1.000 |

Parametri dipendenti

| | |
|--------|---------|
| S | 1.200 |
| η | 1.000 |
| T_B | 0.128 s |
| T_C | 0.385 s |
| T_D | 2.258 s |

Espressioni dei parametri dipendenti

$$S = S_S \cdot S_T \quad (\text{NTC-08 Eq. 3.2.5})$$

$$\eta = \sqrt{10/(5 + \xi)} \geq 0,55; \eta = 1/q \quad (\text{NTC-08 Eq. 3.2.6; §. 3.2.3.5})$$

$$T_B = T_C / 3 \quad (\text{NTC-07 Eq. 3.2.8})$$

$$T_C = C_C \cdot T_C^* \quad (\text{NTC-07 Eq. 3.2.7})$$

$$T_D = 4,0 \cdot a_g / g + 1,6 \quad (\text{NTC-07 Eq. 3.2.9})$$

Espressioni dello spettro di risposta (NTC-08 Eq. 3.2.4)

$$0 \leq T < T_B \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_0} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \leq T < T_C \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0$$

$$T_C \leq T < T_D \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \leq T \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_0 \cdot \left(\frac{T_C T_D}{T^2} \right)$$

Lo spettro di progetto $S_e(T)$ per le verifiche agli Stati Limite Ultimi è ottenuto dalle espressioni dello spettro elastico $S_e(T)$ sostituendo η con $1/q$, dove q è il fattore di struttura. (NTC-08 § 3.2.3.5)

Punti dello spettro di risposta

| | T [s] | Se [g] |
|-------|-------|--------|
| | 0.000 | 0.197 |
| | 0.128 | 0.490 |
| T_B | 0.385 | 0.490 |
| T_C | 0.474 | 0.398 |
| | 0.563 | 0.335 |
| | 0.653 | 0.289 |
| | 0.742 | 0.255 |
| | 0.831 | 0.227 |
| | 0.920 | 0.205 |
| | 1.009 | 0.187 |
| | 1.098 | 0.172 |
| | 1.188 | 0.159 |
| | 1.277 | 0.148 |
| | 1.366 | 0.138 |
| | 1.455 | 0.130 |
| | 1.544 | 0.122 |
| | 1.633 | 0.116 |
| | 1.723 | 0.110 |
| | 1.812 | 0.104 |
| | 1.901 | 0.099 |
| | 1.990 | 0.095 |
| | 2.079 | 0.091 |
| | 2.169 | 0.087 |
| T_D | 2.258 | 0.084 |
| | 2.341 | 0.078 |
| | 2.424 | 0.073 |
| | 2.507 | 0.068 |
| | 2.590 | 0.064 |
| | 2.673 | 0.060 |
| | 2.755 | 0.056 |
| | 2.838 | 0.053 |
| | 2.921 | 0.050 |
| | 3.004 | 0.047 |
| | 3.087 | 0.045 |
| | 3.170 | 0.042 |
| | 3.253 | 0.040 |
| | 3.336 | 0.038 |
| | 3.419 | 0.036 |
| | 3.502 | 0.035 |
| | 3.585 | 0.033 |
| | 3.668 | 0.033 |
| | 3.751 | 0.033 |
| | 3.834 | 0.033 |
| | 3.917 | 0.033 |
| | 4.000 | 0.033 |

Figura 1 – Parametri e punti spettri di risposta orizzontale elastico allo SLV ($V_R=100$ anni)

Spettri di risposta (componenti orizz. e vert.) per lo stato limi SLV

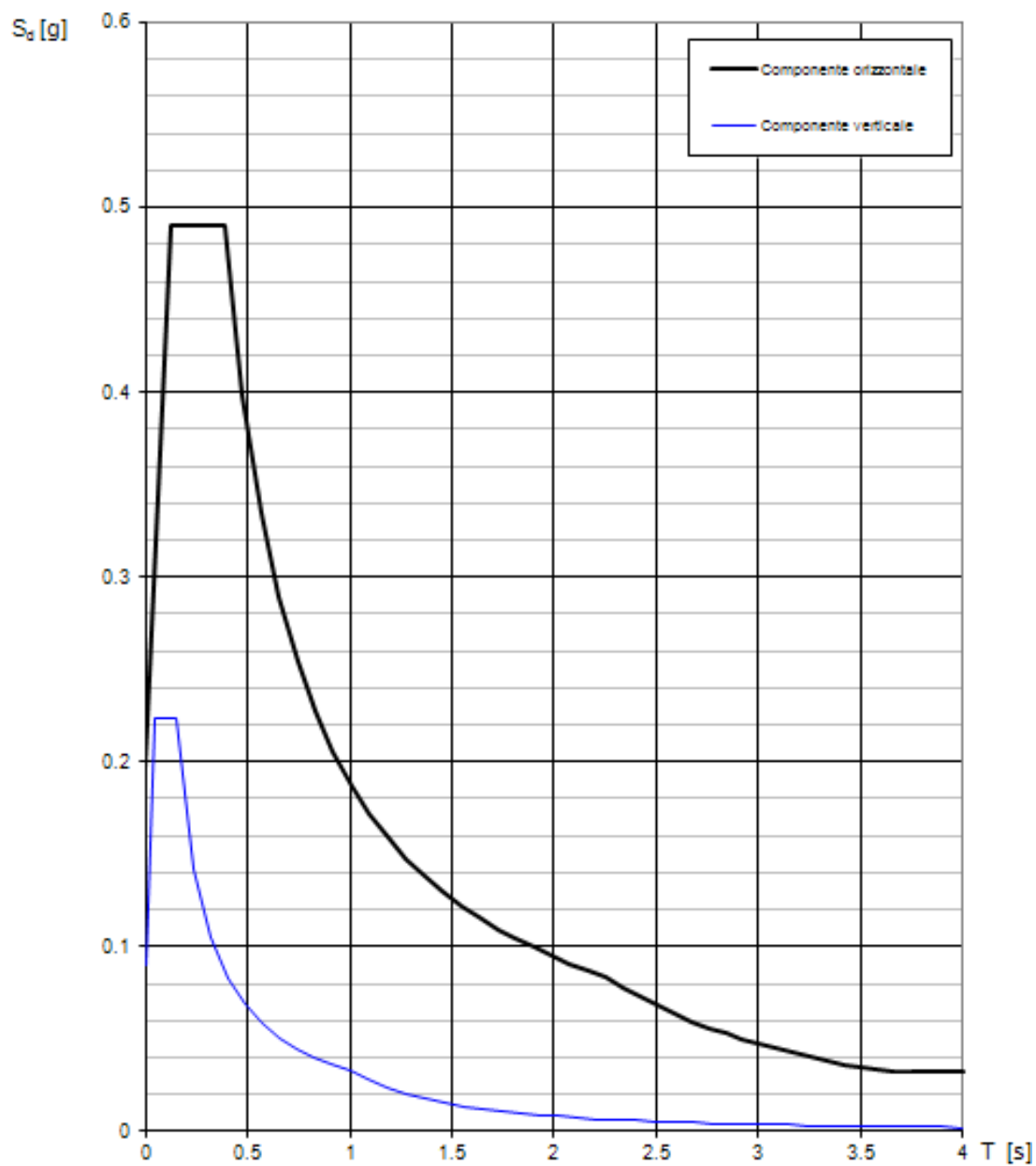


Figura 2 – Grafico spettro di risposta elastico allo SLV ($V_R=100$ anni)

Parametri e punti dello spettro di risposta orizzontale per lo stato limite: SLV

Parametri indipendenti

| STATO LIMITE | SLV |
|--------------|---------|
| a_g | 0.164 g |
| F_o | 2.484 |
| T_c^* | 0.269 s |
| S_s | 1.200 |
| C_c | 1.430 |
| S_T | 1.000 |
| q | 1.500 |

Parametri dipendenti

| | |
|--------|---------|
| S | 1.200 |
| η | 0.667 |
| T_B | 0.128 s |
| T_C | 0.385 s |
| T_D | 2.258 s |

Espressioni dei parametri dipendenti

$$S = S_s \cdot S_T \quad (\text{NTC-08 Eq. 3.2.5})$$

$$\eta = \sqrt{10/(5 + \xi)} \geq 0,55; \eta = 1/q \quad (\text{NTC-08 Eq. 3.2.6, §. 3.2.3.5})$$

$$T_B = T_C / 3 \quad (\text{NTC-07 Eq. 3.2.8})$$

$$T_C = C_c \cdot T_c^* \quad (\text{NTC-07 Eq. 3.2.7})$$

$$T_D = 4,0 \cdot a_g / g + 1,6 \quad (\text{NTC-07 Eq. 3.2.9})$$

Espressioni dello spettro di risposta (NTC-08 Eq. 3.2.4)

$$0 \leq T < T_B \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \leq T < T_C \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \leq T < T_D \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \leq T \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C T_D}{T^2} \right)$$

Lo spettro di progetto $S_d(T)$ per le verifiche agli Stati Limite Ultimi è ottenuto dalle espressioni dello spettro elastico $S_e(T)$ sostituendo η con $1/q$, dove q è il fattore di struttura. (NTC-08 § 3.2.3.5)

Punti dello spettro di risposta

| | T [s] | Se [g] |
|---------|-------|--------|
| | 0000 | 0.197 |
| T_B ← | 0.128 | 0.327 |
| T_C ← | 0.385 | 0.327 |
| | 0.474 | 0.265 |
| | 0.563 | 0.223 |
| | 0.653 | 0.193 |
| | 0.742 | 0.170 |
| | 0.831 | 0.151 |
| | 0.920 | 0.137 |
| | 1.009 | 0.125 |
| | 1.098 | 0.115 |
| | 1.188 | 0.106 |
| | 1.277 | 0.099 |
| | 1.366 | 0.092 |
| | 1.455 | 0.086 |
| | 1.544 | 0.082 |
| | 1.633 | 0.077 |
| | 1.723 | 0.073 |
| | 1.812 | 0.069 |
| | 1.901 | 0.066 |
| | 1.990 | 0.063 |
| | 2.079 | 0.061 |
| | 2.169 | 0.058 |
| T_D ← | 2.258 | 0.056 |
| | 2.341 | 0.052 |
| | 2.424 | 0.048 |
| | 2.507 | 0.045 |
| | 2.590 | 0.042 |
| | 2.673 | 0.040 |
| | 2.755 | 0.037 |
| | 2.838 | 0.035 |
| | 2.921 | 0.033 |
| | 3.004 | 0.033 |
| | 3.087 | 0.033 |
| | 3.170 | 0.033 |
| | 3.253 | 0.033 |
| | 3.336 | 0.033 |
| | 3.419 | 0.033 |
| | 3.502 | 0.033 |
| | 3.585 | 0.033 |
| | 3.668 | 0.033 |
| | 3.751 | 0.033 |
| | 3.834 | 0.033 |
| | 3.917 | 0.033 |
| | 4.000 | 0.033 |

Figura 3 – Parametri e punti spettro di progetto ($q = 1.5$) allo SLV ($V_R = 100$ anni)

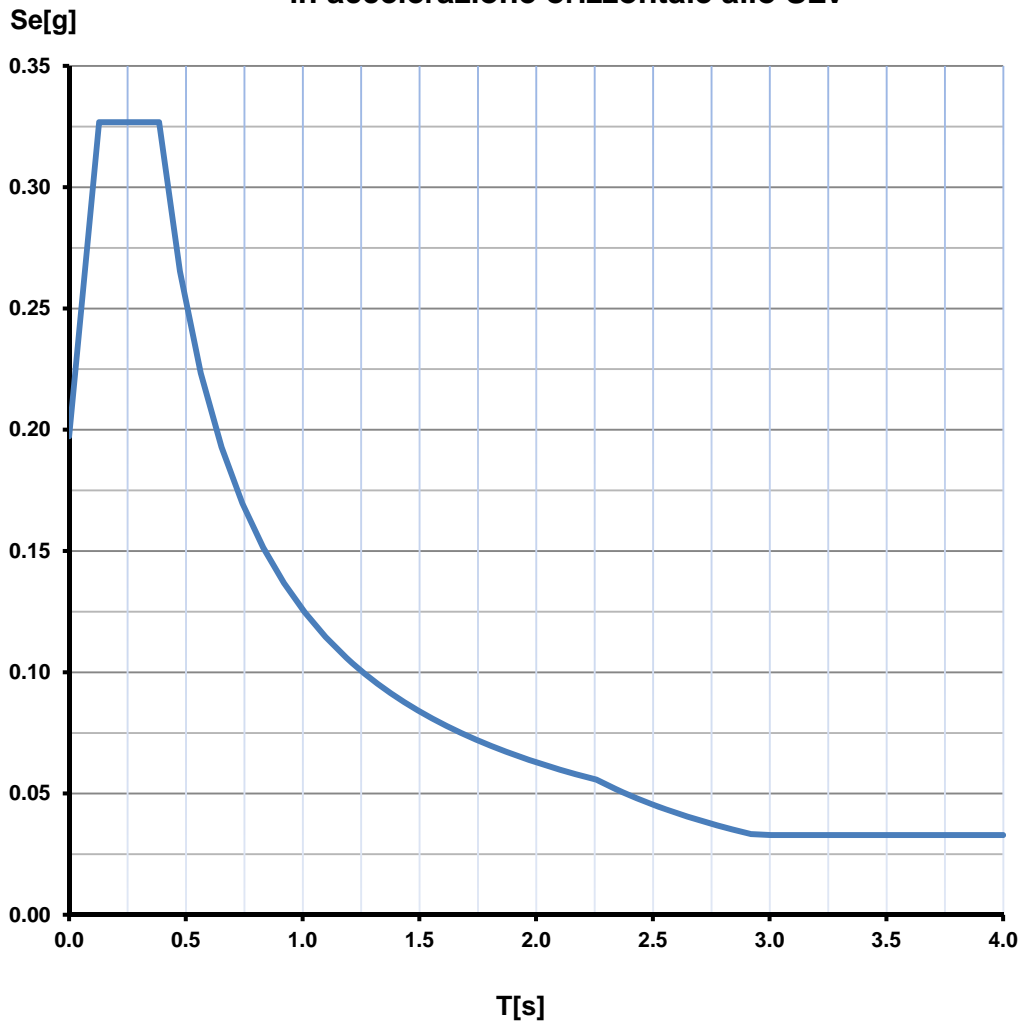
**Spettro di progetto della componente
in accelerazione orizzontale allo SLV**

Figura 4 – Grafico spettro di progetto ($q = 1.5$) allo SLV ($V_R=100$ anni)

7.6 Valore dell'ordinata spettrale di progetto

Sia per lo stato di fatto che di progetto dell'opera, in accordo col paragrafo 7.9.5.6.2 – NTC è stato utilizzato, per l'azione sismica diretta ortogonalmente all'asse dell'impalcato, il valore dello spettro di progetto della componente di accelerazione orizzontale corrispondente ad un periodo del modo di vibrare fondamentale pari a zero, ossia $S_d(T=0) = 0.197g$

Nello stato di fatto dell'opera, mediante un'analisi dell'interazione spalla – terreno retrostante – terreno di fondazione, in direzione longitudinale, si è calcolato un periodo del modo di vibrare fondamentale $T_1 = 0.645sec$, a cui corrisponde un valore dell'ordinata spettrale pari a **0.196g**.

Nello stato di progetto in direzione longitudinale, per la presenza dei tiranti, il sistema spalla – terreno retrostante – terreno di fondazione oscillano monoliticamente e pertanto le forze d'inerzia di progetto si possono determinare considerando un'accelerazione pari ad $a_g * S = 0.197g$.

8. Criteri di verifica geotecnici e strutturali

8.1 Premessa

In generale, per ogni stato limite deve essere verificata la condizione:

$$E_d \leq R_d$$

dove E_d rappresenta l'insieme amplificato delle azioni agenti, ed R_d l'insieme delle resistenze, queste ultime corrette in funzione della tipologia del metodo di approccio al calcolo eseguito, della geometria del sistema e delle proprietà meccaniche dei materiali e dei terreni in uso.

A seconda dell'approccio perseguito, sarà necessario applicare dei coefficienti di sicurezza o amplificativi, a secondo si tratti del calcolo delle caratteristiche di resistenza o delle azioni agenti.

Nei seguenti paragrafi si riportano le combinazioni di carico da considerare per le varie verifiche ed i criteri utilizzati per le verifiche geotecniche e strutturali

8.2 Combinazioni di carico

Tutte le condizioni di carico elementari di carico possono essere raggruppate nei seguenti gruppi di condizioni:

G_1 : azioni dovute al peso proprio e ai carichi permanenti strutturali;

G_2 : azioni dovute ai carichi permanenti non strutturali;

P : azioni dovute ai carichi di precompressione;

Q_{ik} : azioni dovute ai sovraccarichi accidentali;

E : azioni dovute ai carichi sismici orizzontali e verticali.

Secondo quanto previsto dalle NTC 2008, allo Stato Limite Ultimo si considerano tutte le combinazioni:

– non sismiche del tipo: $F_d = \gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_p \cdot P_k + \gamma_q [Q_{ik} + \sum (\Psi_{0i} \cdot Q_{ik})]$

– sismiche del tipo: $F_d = G_1 + G_2 + P_k + E + [\sum (\Psi_{2i} \cdot Q_{ik})]$

essendo:

$\Psi_{2i} = 0$ nel caso di sovraccarichi stradali.

I parametri γ e Ψ sono desunti dalle tabelle 5.1.V e 5.1.VI delle NTC 2008.

8.3 Criteri di verifica per le sezioni in cemento armato

8.3.1 Verifiche SLU per tensioni normali per c.a.o.

Allo Stato Limite Ultimo le verifiche per tensioni normali vengono condotte confrontando per ogni sezione le resistenze ultime e le sollecitazioni massime agenti, valutando di conseguenza il corrispondente fattore di sicurezza secondo la relazione:

$$M_{rd} (N_{Ed}) \geq M_{Ed}$$

dove

M_{rd} è il valore di calcolo del momento resistente associato a N_{Ed} ;

N_{Ed} è il valore di calcolo della componente assiale (sforzo normale) dell'azione;

M_{Ed} è il valore di calcolo della componente flettente dell'azione.

8.3.2 Verifiche SLU per tensioni tangenziali per c.a.

La verifica allo Stato Limite Ultimo per taglio viene condotta, in assenza di armature trasversali a taglio secondo le relazioni:

$$V_{Rd} \geq V_{Ed}$$

$$V_{Rd} = [0.18 k (100 \rho_l f_{CK})^{1/3} / \gamma_c + 0.15 \sigma_{cp}] b_w d \geq (v_{min} + 0.15 \sigma_{cp}) b_w d$$

dove

$$k = 1 + (200/d)^{1/2} \leq 2$$

$$v_{min} = 0.035 k^{3/2} f_{CK}^{1/2}$$

b_w è la larghezza minima della sezione (in mm)

d è l'altezza utile della sezione (in mm)

$\rho_l = A_{sl} / (b_w d)$ è il rapporto geometrico dell'armatura longitudinale (≤ 0.2)

$\sigma_{cp} = N_{Ed} / A_c$ è la tensione media di compressione nella sezione ($\leq 0.2 f_{Cd}$)

Nel caso in cui siano presenti armature trasversali a taglio le verifiche vengono condotte secondo le relazioni:

$$V_{Rd} \geq V_{Ed}$$

$$V_{Rd} = \min (V_{Rsd}, V_{Rcd})$$

$$V_{Rsd} = 0.9 d A_{sw} / s f_{yd} (\cotg \alpha + \cotg \theta) \sin \alpha \text{ (resistenza armature trasversali)}$$

$$V_{Rsd} = 0.9 d b_w \alpha_c f'_{Cd} (\cotg \alpha + \cotg \theta) / (1 + \cotg^2 \theta) \text{ (resistenza puntone compresso)}$$

dove

$$1 \leq \cotg \theta \leq 2.5$$

(θ inclinazione dei puntoni compressi in cls rispetto asse trave)

A_{sw} = area dell'armatura trasversale

s è il passo armature trasversali

α è l'angolo di inclinazione dell'armatura trasversale rispetto all'asse della trave

f'_{Cd} è la resistenza a compressione ridotta del cls d'anima ($f'_{Cd} = 0.5 f_{Cd}$)

α_c è il coefficiente maggiorativo pari a:

1 per membrane non compresse

$1 + \sigma_{cp} / f_{Cd}$ per $0 \leq \sigma_{cp} < 0.25 f_{Cd}$

1.25 per $0.25 f_{Cd} \leq \sigma_{cp} < 0.5 f_{Cd}$

$2.5 (1 - \sigma_{cp} / f_{Cd})$ per $0.5 f_{Cd} \leq \sigma_{cp} < f_{Cd}$

8.4 Criteri di verifica per le sezioni in acciaio

8.4.1 Resistenza delle membrature

La resistenza di calcolo delle membrature R_d si pone nella forma:

$$R_d = R_k / \gamma_M$$

dove

R_k è il valore caratteristico della resistenza della membratura rispetto ai vari meccanismi di crisi, determinata a partire dai valori di resistenza dei materiali riportati nei precedenti paragrafi e dalle caratteristiche geometriche degli elementi strutturali, dipendenti dalla classe della sezione;

γ_M è il fattore parziale globale relativo al modello di resistenza adottato, che assume i valori riportati nella seguente tabella.

| STRUTTURE IN ACCIAIO | |
|--|--------------------|
| Resistenza delle Sezioni di Classe 1-2-3-4 | $\gamma_{M0}=1.05$ |
| Resistenza all'instabilità delle membrature | $\gamma_{M1}=1.05$ |
| Resistenza all'instabilità delle membrature di ponti stradali e ferroviari | $\gamma_{M1}=1.10$ |
| Resistenza, nei riguardi della frattura, delle sezioni tese (forate) | $\gamma_{M2}=1.25$ |

Tabella 3 – Coefficienti di sicurezza per la resistenza delle membrature e la stabilità

8.4.2 Verifiche SLU per tensioni normali

- Membrature soggette a sola trazione

In generale per la verifica allo Stato Limite Ultimo per trazione pura deve essere rispettata la relazione:

$$N_{Ed} \leq N_{t, Rd}$$

dove

N_{Ed} è l'azione assiale di calcolo

$N_{t, Rd}$ è la resistenza di calcolo a trazione che, per membrature con sezioni indebolite da fori per collegamenti bullonati o chiodati, si assume pari al valore minimo tra:

$$N_{pl, Rd} = A f_{yk} / \gamma_{M0} \quad (\text{resistenza plastica della sezione lorda})$$

$$N_{u, Rd} = 0.9 A_{net} f_{tk} / \gamma_{M2} \quad (\text{resistenza a rottura della sezione netta in corrispondenza dei fori per i collegamenti})$$

In presenza di azioni sismiche, per il rispetto della gerarchia delle resistenze, deve risultare:

$$N_{pl, Rd} \leq N_{u, Rd}$$

- Membrature soggette a sola compressione

La verifica allo Stato Limite Ultimo per compressione pura viene condotta secondo la relazione:

$$N_{Ed} \leq N_{c, Rd}$$

dove

N_{Ed} è la forza di compressione di calcolo

$N_{c, Rd}$ è la resistenza di calcolo a compressione della sezione da assumere pari a:

$$N_{c, Rd} = A f_{yk} / \gamma_{M0} \quad (\text{per le sezioni di classe 1, 2 e 3})$$

$$N_{c, Rd} = A_{eff} f_{yk} / \gamma_{M0} \quad (\text{per le sezioni di classe 4})$$

- Membrature soggette a taglio

La verifica allo Stato Limite Ultimo per compressione pura viene condotta secondo la relazione:

$$V_{Ed} \leq V_{c, Rd}$$

dove

V_{Ed} è la forza di taglio di calcolo

$V_{c, Rd}$ è la resistenza di calcolo a taglio della sezione da assumere pari a:

$$V_{c, Rd} = A_v f_{yk} / (\sqrt{3} \gamma_{M0})$$

con $A_v = 2 A / \pi$ per le sezioni circolari cave

8.5 Criteri di verifica delle sezioni miste acciaio - cls

8.5.1 Premessa

In accordo con quanto indicato al punto 4.3.2.3 – *N.T.C.* la distribuzione delle tensioni normali negli elementi composti deve essere determinata o mediante una analisi rigorosa oppure considerando nel calcolo una larghezza efficace della soletta.

La larghezza efficace, b_{eff} , può essere valutata come:

$$b_{eff} = b_0 + b_{e1} + b_{e2}$$

dove b_0 è la distanza tra gli assi dei connettori e $b_{ei} = \min (L_e/8; b_i)$ è il valore della larghezza collaborante di ciascun lato della sezione composta.

L_e nelle travi semplicemente appoggiate è la luce della trave.

Per gli appoggi di estremità la formula diviene:

$$b_{eff} = b_0 + \beta_1 b_{e1} + \beta_2 b_{e2}$$

$$\text{dove } \beta_i = \left(0,55 + 0,025 \cdot \frac{L_e}{b_{ei}} \right) \leq 1,0$$

La resistenza di calcolo dei materiali f_d è definita mediante l'espressione:

$$f_d = \frac{f_k}{\gamma_M}$$

dove f_k è la resistenza caratteristica del materiale

$$\gamma_c \text{ (calcestruzzo)} = 1,5$$

$$\gamma_a \text{ (acciaio da carpenteria)} = 1,05$$

$$\gamma_s \text{ (acciaio da armatura)} = 1,15$$

$$\gamma_v \text{ (connessioni)} = 1,25$$

In particolare, per gli impalcati in sistema misto di progetto, le verifiche di resistenza allo Stato Limite Ultimo sono condotte con il Metodo elastico. La resistenza delle membrature viene calcolata al limite elastico ovvero viene individuata dal raggiungimento, anche in un solo punto della sezione, della resistenza di progetto nell'acciaio e nel calcestruzzo senza deformazioni plastiche.

Le resistenze di calcolo dei materiali acciaio e cls sono rispettivamente:

$$f_d = \frac{f_{yk}}{\gamma_s} = 338,1 \text{ MPa}$$

$$f_d = \frac{f_{ck}}{\gamma_c} = 21,2 \text{ MPa}$$

8.5.2 Resistenza a flessione

Le verifiche sono svolte in accordo con quanto indicato al punto 4.3.4.2.1 – N.T.C. Il momento resistente delle sezioni composte può essere ricavato utilizzando differenti metodi:

- Metodo elastico

Il momento resistente elastico è calcolato sulla base di una distribuzione elastica delle tensioni all'interno della sezione, è applicabile a qualunque tipo di sezione e limitato all' ipotesi di comportamento lineare dei materiali. Viene trascurato il contributo del calcestruzzo teso.

Il momento resistente elastico, M_{el} , è calcolato limitando le deformazioni al limite elastico della resistenza dei materiali, ossia:

f_{cd} per il calcestruzzo

f_{yd} per l'acciaio strutturale

f_{sd} per le barre d'armatura

Le verifiche in campo elastico si eseguono con il seguente criterio:

$$\sigma_{x,Ed}^2 + \sigma_{z,Ed}^2 - \sigma_{z,Ed} \cdot \sigma_{x,Ed} + 3 \cdot \tau_{Ed}^2 \leq (f_{yk} / \gamma_{M0})^2$$

8.5.3 Verifica delle connessioni a taglio con pioli

La resistenza di calcolo a taglio di un piolo dotato di testa, saldato in modo automatico, con collare di saldatura normale, posto in una soletta di calcestruzzo piena può essere assunta pari al minore dei seguenti valori:

$$P_{Rd,a} = 0,8 \cdot f_t (\pi d^2 / 4) / \gamma_v$$

$$P_{Rd,c} = 0,29 \cdot \alpha \cdot d^2 (f_{ck} \cdot E_c)^{0,5} / \gamma_v$$

essendo:

γ_v il fattore parziale connessioni pari ad 1,25

f_t la resistenza a rottura dell'acciaio del piolo

f_{ck} la resistenza cilindrica del cls della soletta

d il diametro del piolo, compreso tra 16 e 25 mm

$\alpha = 0,2(h_{sc} / d + 1)$ per $3 \leq h_{sc} / d \leq 4$

$\alpha = 1$ per $h_{sc} / d \geq 4$

con h_{sc} pari all'altezza del piolo dopo la saldatura, non minore di 3 volte il diametro del gambo del piolo.

8.6 Verifica locale dei muri paraghiaia

Per il calcolo dei muri paraghiaia, il paragrafo C5.1.3.3.7.2 - *Circolare n.617* stabilisce di considerare un'azione orizzontale longitudinale di frenamento, applicata alla testa del muro paraghiaia (vedi figura), di valore caratteristico pari al 60% del carico asse Q_{1k} . Pertanto, in ponti di 1a categoria si considererà un carico orizzontale di 180 kN, concomitante con un carico verticale di 300 kN.

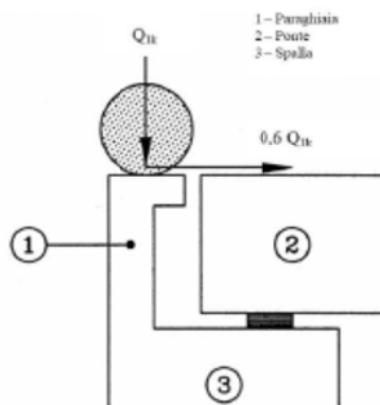


Figura 5 – Carichi da traffico su muri paraghiaia

Si considera una diffusione del carico in verticale a 45° al fine di definire la sezione di verifica.

8.7 Criteri di calcolo per le opere geotecniche

Ai fini delle resistenze, in funzione del tipo di verifica da eseguire, il valore di progetto può ricavarsi in base alle indicazioni sotto riportate.

| Parametro | Parametro di riferimento | Coefficiente parziale γ_M | M1 | M2 |
|---|--------------------------|----------------------------------|------|------|
| Tangente dell'angolo di resistenza φ' | $\tan \varphi'_K$ | $\gamma_{\varphi'}$ | 1.00 | 1.25 |
| Coesione efficace | c'_K | $\gamma_{c'}$ | 1.00 | 1.25 |
| Resistenza non drenata | C_{uk} | γ_{cu} | 1.00 | 1.40 |
| Peso dell'unità di volume | γ | γ_γ | 1.00 | 1.00 |

Tabella 4 – Coefficienti parziali per i parametri geotecnici del terreno

Le verifiche SLU e GEO sono state svolte, nel caso in esame, con l'Approccio 2, che prevede la combinazione di coefficienti:

Combinazione 1 (A1+M1+R3)

In particolare per le caratteristiche meccaniche dei terreni avremo:

UG1

Metodo M1

Peso per unità di volume totale $\gamma = 19 \text{ kN/m}^3$
 Coesione $c' = 0 \text{ kPa}$
 Angolo di attrito di calcolo $\phi' = 28^\circ$

UG3

Metodo M1

Peso per unità di volume totale $\gamma = 21 \text{ kN/m}^3$
 Coesione $c' = 0 \text{ kPa}$
 Angolo di attrito di calcolo $\phi' = 37^\circ$

UG4

Metodo M1

Peso per unità di volume totale $\gamma = 20 \text{ kN/m}^3$
 Coesione $c' = 5 \text{ kPa}$
 Angolo di attrito di calcolo $\phi' = 28^\circ$

Riporto

Metodo M1

Peso per unità di volume totale $\gamma = 20 \text{ kN/m}^3$
 Coesione $c' = 0 \text{ kPa}$
 Angolo di attrito di calcolo $\phi' = 35^\circ$

Per i pali, i coefficienti R3 sono desunti dalla tabella seguente, come precisato al paragrafo 6.4.3.1 – NTC.

| Verifica | Coefficiente parziale R3 |
|---|--------------------------|
| Carichi assiali – Resistenza di base | $\gamma_{Rb} = 1.35$ |
| Carichi assiali – Resistenza laterale in compressione | $\gamma_{Rs} = 1.15$ |
| Carichi assiali – Resistenza laterale in trazione | $\gamma_{Rst} = 1.25$ |
| Carichi trasversali – Resistenza totale | $\gamma_{RT} = 1.30$ |

Tabella 5 – Coefficienti parziali γ_R da applicare alle resistenze caratteristiche dei pali

Anche per le verifiche GEO e STR sui tiranti di ancoraggio, viene utilizzata la combinazione A1+M1+R3, come precisato al paragrafo 6.6.2 - NTC, con il coefficiente R3 desunto dalla tabella seguente.

| Verifica | Coefficiente parziale R3 |
|----------------------|--------------------------|
| Ancoraggi temporanei | $\gamma_{Ra,t} = 1.10$ |
| Ancoraggi permanenti | $\gamma_{Ra,p} = 1.20$ |

Tabella 6 – Coefficienti parziali γ_R per la resistenza degli ancoraggi

Nelle verifiche finalizzate al dimensionamento strutturale, il coefficiente γ_R non deve essere portato in conto.

Per quanto riguarda le verifiche in condizioni sismiche, esse verranno effettuate considerando, per i diversi stati limite, i coefficienti amplificativi delle azioni (A) di valore unitario, come indicato al punto C7.11.6.2 – Circolare n. 617.

Le resistenze caratteristiche R_k del singolo elemento (palo, tirante), si ottengono dividendo i valori medio e minimo delle resistenze, dedotte tramite metodi di calcolo analitici, rispettivamente per i fattori di correlazione $\xi_{i,3}$ e $\xi_{i,4}$ dipendenti dal numero di verticali indagate.

Per i pali di fondazione e per i tiranti i coefficienti si deducono rispettivamente dalle seguenti tabelle:

| N. verticali di indagine | 1 | 2 | 3 | 4 | 5 | 7 | ≥ 10 |
|--------------------------|------|------|------|------|------|------|-----------|
| ξ_3 | 1.70 | 1.65 | 1.60 | 1.55 | 1.50 | 1.45 | 1.40 |
| ξ_4 | 1.70 | 1.55 | 1.48 | 1.42 | 1.34 | 1.28 | 1.21 |

Tabella 7 – Fattori di correlazione ξ per la determinazione della resistenza caratteristica dei pali di fondazione in funzione del numero di verticali indagate

| N. profili di indagine | 1 | 2 | 3 | 4 | ≥5 |
|------------------------|------|------|------|------|------|
| ξ_{a3} | 1.80 | 1.75 | 1.70 | 1.65 | 1.60 |
| ξ_{a4} | 1.80 | 1.70 | 1.65 | 1.60 | 1.55 |

Tabella 8 – Fattori di correlazione per derivare la resistenza caratteristica dalle prove geotecniche, in funzione del numero n di profili di indagine

Nel caso in esame, avendo a disposizione 7 verticali di indagine ed utilizzando i valori medi delle resistenze, si considera:

- PALI DI FONDAZIONE: $\xi_3 = 1.45$
- TIRANTI DI ANCORAGGIO: $\xi_{a,3} = 1.60$

8.7.1 Prescrizioni in zona sismica

Azioni di progetto sulle fondazioni

Per le strutture progettate sia per CD “A” sia per CD “B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azioni in fondazione le resistenze degli elementi strutturali soprastanti. Più precisamente, la forza assiale negli elementi strutturali verticali derivante dalla combinazione delle azioni sismiche deve essere associata al concomitante valore resistente del momento flettente e del taglio; tali azioni tuttavia devono risultare non maggiori di quelle trasferite dagli elementi soprastanti, amplificate con un γ_{Rd} pari a 1.1 in CD “B” e 1.3 in CD “A”, e comunque non maggiori di quelle derivanti da una analisi elastica della struttura in elevazione eseguita con un fattore di struttura q pari a 1 (punto 7.2.5 - NTC).

Nel caso in esame si fa riferimento alla situazione in cui le azioni sulle fondazioni sono pari a quelle trasferite dagli elementi soprastanti amplificate con un γ_{Rd} pari a 1.1 (CD “B”).

Lunghezza libera dei tiranti in condizioni sismiche

Il punto 7.11.6.4 – NTC, per tenere conto che, per effetto del sisma, la potenziale superficie di scorrimento dei cunei di spinta presenta un’inclinazione sull’orizzontale minore di quella relativa al caso statico, considera una lunghezza libera dell’ancoraggio L_e in condizioni sismiche maggiore di quella, L_s , in condizioni statiche. In particolare L_e si ottiene mediante la relazione:

$$L_e = L_s * (1 + 1.5 * a_{max} / g)$$

in cui a_{max} è l’accelerazione orizzontale massima attesa al sito, pari a $S_s * S_T * a_g$.

8.7.2 Criterio di verifica della resistenza allo sfilamento dei tiranti (GEO)

La resistenza allo sfilamento dei tiranti viene calcolata analiticamente con il metodo di Bustamante e Doix (1985), con la formula:

$$R_m = \pi d_b L_b s \alpha_b$$

dove

L_b è la lunghezza d'ancoraggio

d_b è il diametro della perforazione

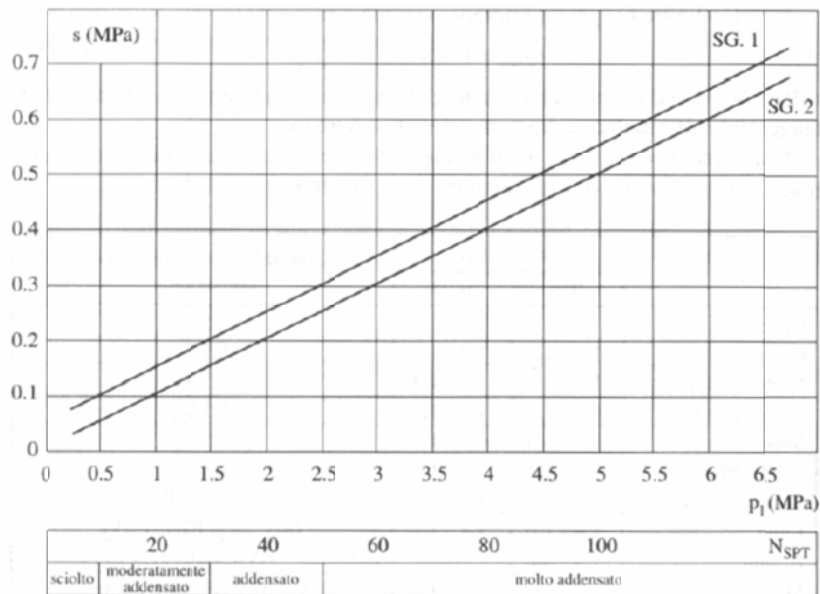
α_b è un coefficiente amplificativo che tiene conto del terreno e della modalità di esecuzione;

s è la tensione di aderenza fra terreno e fondazione.

α_b è pari ad 1.4 per l'unità geotecnica UG1 (sabbia limosa) ed 1.6 per l'UG3 (ghiaia sabbiosa), valori tipici nel caso di esecuzione con tecnologia IRS (iniezioni ripetute e controllate).

La resistenza laterale unitaria s si determina da un apposito abaco in funzione della tecnologia di iniezione e del tipo di terreno attraversato (del suo grado di addensamento e delle sue caratteristiche meccaniche).

| Terreno | Tipo di iniezione | |
|---|-------------------|------|
| | IRS | IGU |
| Da ghiaia a sabbia limosa | SG1 | SG2 |
| Limo e argilla | AL1 | AL2 |
| Marna, calcare marnoso, calcare tenero fratturato | MC1 | MC2 |
| Roccia alterata e/o fratturata | ≥ R1 | ≥ R2 |



Dall'abaco sopra riportato, partendo dalle risultanze delle prove pressiometriche eseguite, sulla curva relativa alle formazioni SG.1, si è letto un valore della resistenza laterale unitaria s pari a 0.15 MPa e 0.35 MPa rispettivamente per l'UG1 e l'UG3.

Le resistenze caratteristiche R_k si ottengono dividendo i valori determinati analiticamente per il fattore di correlazione ξ_3 precedentemente descritto. Infine, la resistenza di calcolo R_d si ottiene dividendo i valori caratteristici R_k delle varie aliquote per i rispettivi coefficienti parziali di sicurezza R_3 .

8.7.3 Criterio di verifica a carico limite dei pali trivellati e delle colonne di jet grouting (GEO)

Il carico limite di un palo trivellato è dato dal contributo di due aliquote: la resistenza alla punta e quella laterale.

La resistenza alla punta in condizioni drenate per terreni a grana grossa si assume pari a:

$$P_m = \sigma'_{VL} N_q \pi d^2/4$$

dove:

σ'_{VL} è tensione verticale efficace che agisce sul piano orizzontale passante per la punta del palo

d è il diametro del palo

$N_q = N_q(\varphi', L/D)$ si determina mediante l'abaco di Berezantzev in funzione dell'angolo di attrito del terreno alla punta del palo φ' dopo la realizzazione di quest'ultimo e del rapporto tra la lunghezza L ed il diametro D del palo.

Kishida (1967) suggerisce di assumere, per i pali trivellati, $\varphi = \varphi'_1 - 3^\circ$, essendo φ'_1 l'angolo di attrito del deposito indisturbato.

La resistenza laterale si assume invece pari a:

$$S_m = \pi d [\sum (\sigma'_{vm,i} \mu_i k_i L_i + a_i L_i)]$$

dove, conservando il significato dei termini presenti nell'espressione del carico limite alla punta:

$\sigma'_{vm,i}$ è tensione efficace litostatica media nello strato i -esimo di terreno

μ_i è il coefficiente di attrito palo – terreno nello strato i – esimo, che è pari a $\text{tg } \varphi'_{1i}$ per i pali trivellati.

k_i è un coefficiente empirico, dipendente dalla tecnica esecutiva del palo, che permette di definire la tensione verticale effettivamente agente nell'intorno del palo allo strato i – esimo a partire da $\sigma'_{vm,i}$. Nel caso di pali trivellati in terreni mediamente addensati si assume $k = 0.45$.

Le resistenze caratteristiche alla punta, laterale in compressione e laterale in trazione si ottengono dividendo i valori determinati analiticamente per il fattore di correlazione ξ_3 precedentemente descritto. Infine, la resistenza di calcolo corrispondente si calcola dividendo i valori caratteristici R_k delle varie aliquote per i rispettivi coefficienti parziali di sicurezza R_3 .

8.7.4 Criteri di verifica strutturale delle fondazioni

Le verifiche strutturali, per la tipologia di fondazioni utilizzata, riguardano il plinto e l'armatura metallica delle colonne di jet grouting.

Sia la parte di plinto esistente che quella appartenente all'allargamento di nuova realizzazione sono classificabili come "alti" in quanto la distanza tra l'asse della colonna di jet grouting, pari a 1.35 m (e dei nuovi pali trivellati, pari ad 1.45 m), è minore dell'altezza del plinto, di 1.80 m. Pertanto la verifica del plinto è stata eseguita considerando un modello a traliccio spaziale affine a quello riportato nelle seguenti immagini.

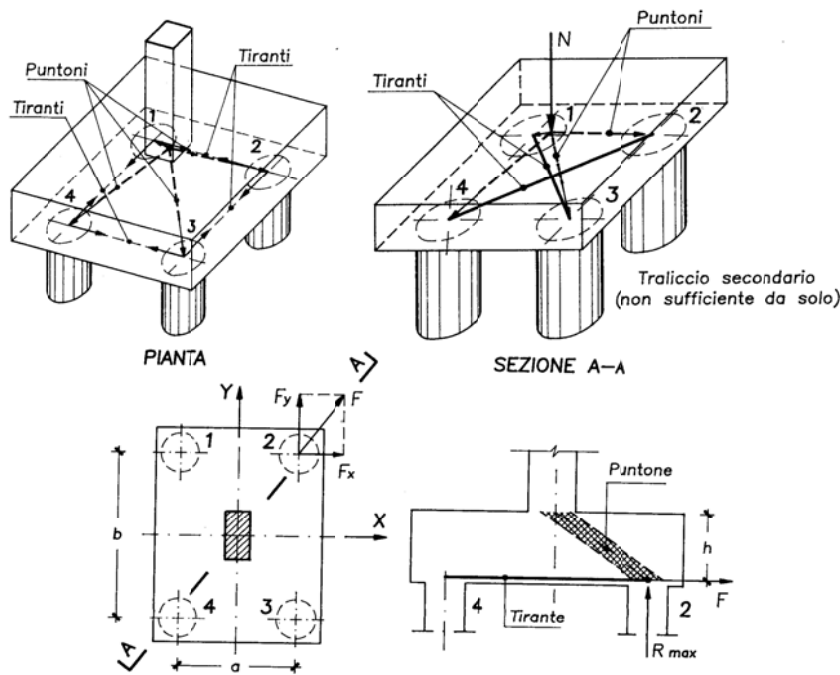
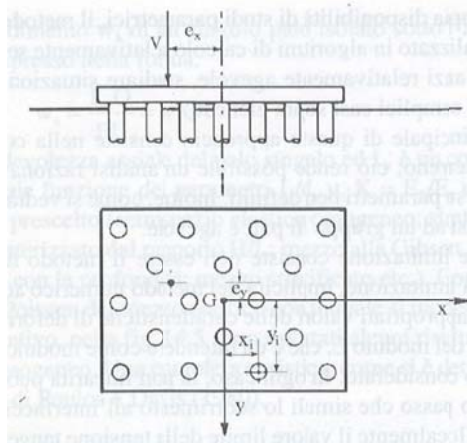


Figura 6 – Schema tipo di un modello a traliccio spaziale

Le colonne di jet grouting sono state verificate a compressione assiale mentre l'armatura metallica delle colonne di jet grouting è stata verificata a taglio.

Il carico assiale Q_i agente sul palo i – esimo della palificata di n pali, di coordinate (x_i, y_i) rispetto al baricentro della palificata, viene valutato come:

$$Q_i = V/n + V e_x x_i / (\sum x_i^2) + V e_y y_i / (\sum y_i^2)$$



8.7.5 Spinta dei terreni per le verifiche sismiche

Per quanto riguarda la valutazione delle spinte in condizioni statiche, la spinta del terreno sul muro ha un andamento crescente secondo una legge di tipo lineare dall'alto verso il basso. La pendenza del diagramma delle spinte, che risulta quindi di tipo triangolare, è pari al prodotto $\gamma \cdot k_a$ avendo indicato con γ il peso dell'unità di volume del terreno a tergo della spalla e con k_a il coefficiente di spinta attiva. Si considera, inoltre, la spinta di tipo rettangolare indotta da un sovraccarico stradale distribuito a tergo del muro pari a 20 kN/m² (come da specifiche ANAS).

In condizioni sismiche, oltre alle forze di inerzia dovute al peso degli elementi strutturali e del terreno alle spalle del muro, è necessario considerare anche un incremento della spinta del terreno rispetto a quella statica.

Le spinte in stato limite attivo in condizioni sismiche possono essere determinate con la formula:

$$S_{aE} = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot (1 - K_v) \cdot K_{aE}$$

in cui

K_v è il coefficiente sismico verticale pari a $\pm 0.5 K_h$

$K_h = \beta_m a_{\max} / g$ è il coefficiente sismico orizzontale (punto 7.11.6.2.1 - NTC)

dove

$\beta_m = 1.0$ in accordo con quanto indicato nella Tabella 7.1 dell'Eurocodice 8 – Parte 5 per quanto riguarda le spalle da ponte fondate su pali di fondazione (tirantate e non.).

$a_{\max} = S_S \cdot S_T \cdot a_g = 1.198 \cdot 1.0 \cdot 0.165g = 0.198 g$ è l'accelerazione orizzontale massima al sito

Nel caso in esame risulta $K_h = 0.197$ e ne consegue che K_v risulta pari a ± 0.0986

K_{aE} è il coefficiente di spinta attiva in condizioni sismiche valutato sulla base delle formulazioni fornite da Mononobe e Okabe.

L'incremento di spinta è quindi ottenuto come differenza tra la spinta in condizioni sismiche e quella applicata in condizioni statiche. Esso è rappresentato da un carico pseudo-statico di tipo rettangolare la cui risultante è applicata a metà altezza del muro così come prescritto dalla norma per muri non liberi di traslare e ruotare intorno al piede.

I valori del coefficiente di spinta attiva assumono i valori qui di seguito riportati:

$k_a = 0.271$ CONDIZIONI STATICHE

$K_{aE} = 0.393$ CONDIZIONI DINAMICHE (in assenza di sisma verticale)

$K_{aE+} = 0.381$ CONDIZIONI DINAMICHE (sisma verticale verso l'alto)

$K_{aE-} = 0.410$ CONDIZIONI DINAMICHE (sisma verticale verso il basso).

9. Verifiche agli stati limite ultimi

9.1 Calcoli automatici e descrizione della modellazione

Il programma di calcolo impiegato per le analisi è il Midas Gen 2012, prodotto dalla Midas Information Technology Co. Ltd. e consente di effettuare la modellazione e l'analisi di elementi di qual si voglia natura (in cemento armato, acciaio, muratura e legno, ecc.), mediante il metodo degli elementi finiti.

L'input geometrico del modello avviene mediante la definizione della geometria spaziale degli elementi, definita attraverso le coordinate spaziali dei nodi che definiscono tali elementi.

La strutture e il loro comportamento sotto le azioni statiche e dinamiche, sono state interpretate, valutate e adeguatamente trasferite nei modelli che si caratterizzano per l'impostazione completamente tridimensionale. A tal fine ai nodi strutturali possono convergere diverse tipologie di elementi, che corrispondono nel codice numerico di calcolo in altrettante tipologie di elementi finiti. Travi e pilastri, ovvero componenti in cui una dimensione prevale sulle altre due, vengono modellati tramite elementi *beam*. Per la modellazione di elementi tipo *beam* si definisce compiutamente la sezione geometrica reale, di modo da calcolare in via automatizzata le caratteristiche inerziali della sezione stessa, assegnando poi ad ognuna membratura il materiale di riferimento.

Le pareti, e le platee di fondazione, ovvero in generale i componenti strutturali bidimensionali, con due dimensioni prevalenti sulla terza (lo spessore), sono stati modellati con elementi *shell* a comportamento flessionale e membranale. I vincoli esterni vengono rappresentati, nei casi più semplici (apparecchi d'appoggio, cerniere, carrelli), con elementi in grado di definire le modalità di vincolo e le rigidità nello spazio.

I modelli di calcolo prevedono diverse condizioni di carico dedotte sulla base dell'analisi dei carichi riportate precedentemente. Tali condizioni sono state poi combinate in maniera tale da determinare le combinazioni necessarie alle verifiche agli Stati Limite Ultimi, secondo cui si modella e verifica la struttura nei confronti del collasso della stessa.

Le modellazioni principali hanno riguardato le spalle e l'impalcato nello stato di fatto e nello stato di progetto.

La modellazione delle spalle è stata effettuata sia per eseguire le verifiche strutturali a taglio e pressoflessione dei muri andatori, del paramento e del paraghia, sia per verificare la distribuzione delle azioni tra le fondazioni nuove ed esistenti.

Lo scopo della modellazione degli implacati è invece verificare gli elementi della nuova struttura, nonché le porzioni di impalcato esistente che subiscono alterazioni per effetto dell'allargamento.

I modelli di calcolo sono stati realizzati definendo preventivamente le proprietà intrinseche del calcestruzzo, in seguito, assegnato a ciascuna delle parti le proprietà geometriche caratterizzanti, sono state ad esse applicate le azioni competenti.

Tali azioni, per le spalle, consistono nelle spinte dei terreni e nelle azioni trasmesse dagli impalcati. La modellazione delle varie aliquote della spinta del terreno avviene attraverso l'utilizzo degli *Hydrostatic pressure loads* mentre le azioni gravitazionali e sismiche trasmesse dall'impalcato alla spalla avviene attraverso l'inserimento di *Element beam loads* applicati lungo degli elementi *beam* definiti ad hoc alla quota degli appoggi. Tutte le azioni vengono poi combinate tra loro secondo quanto richiesto dalle norme.

Per quanto riguarda gli impalcati, la massimizzazione degli effetti dei carichi mobili sui vari elementi strutturali è ottenuta eseguendo una *Moving Load Analysis* mediante la definizione di linee di influenza. Il Software provvede automaticamente a ricercare le configurazioni dei carichi più gravose in relazione all'effetto desiderato.

Per tutti i modelli le azioni considerate sono quelle descritte nel'apposito capitolo delle azioni.

La validazione delle modellazioni svolte e dei relativi risultati è stata eseguita comparando tali risultati con quelli derivanti da analisi semplificate effettuate con altri software e/o con schemi elementari di calcolo.

Per i dettagli delle analisi effettuate si rimanda ai paragrafi finali, dove sono riportati i tabulati di input e output delle modellazioni effettuate.

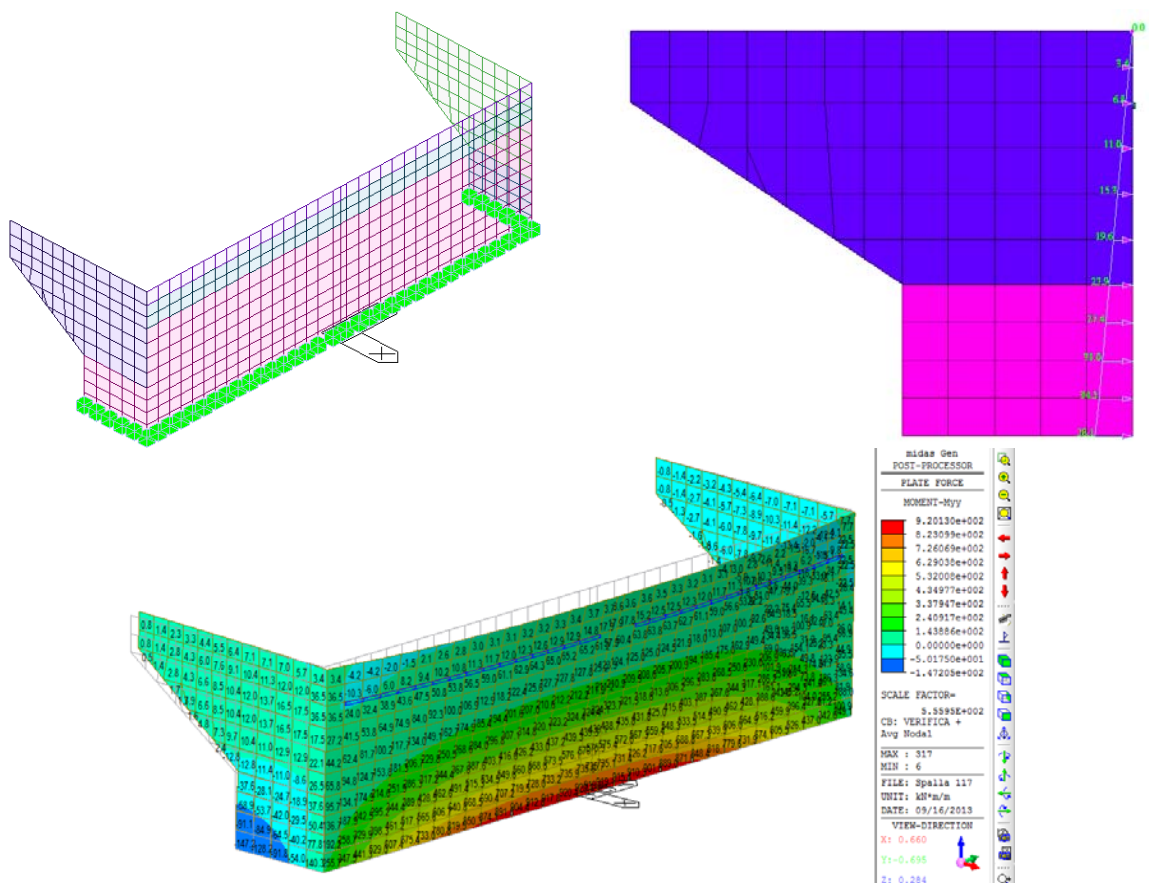


Figura 7 – Immagini del modello di una delle spalle nello stato di fatto

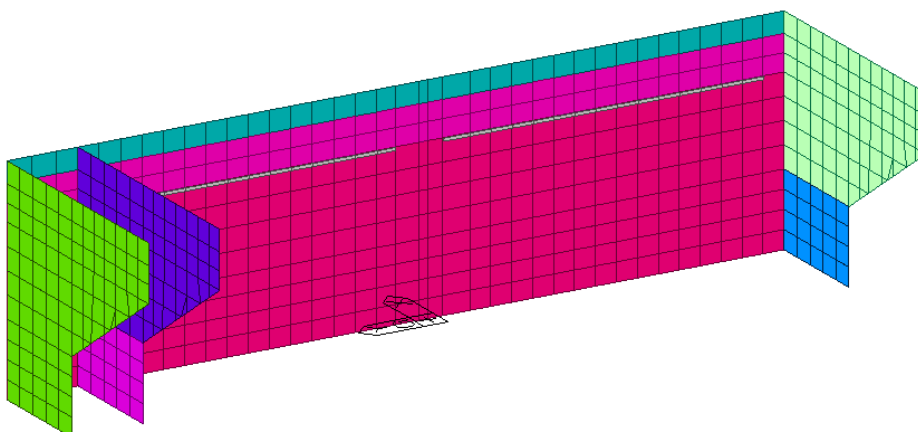


Figura 8 – Immagini del modello di una delle spalle nello stato di progetto

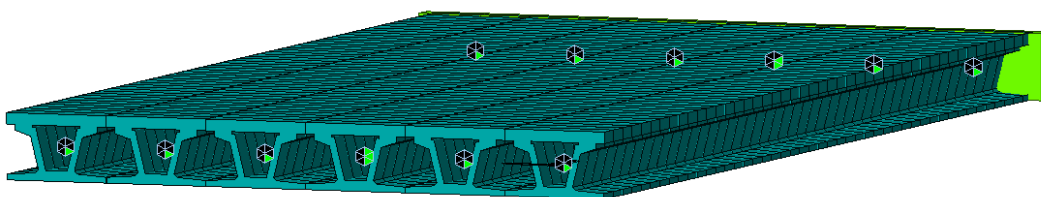


Figura 9 – Vista assometrica del modello dell'impalcato nello stato di fatto

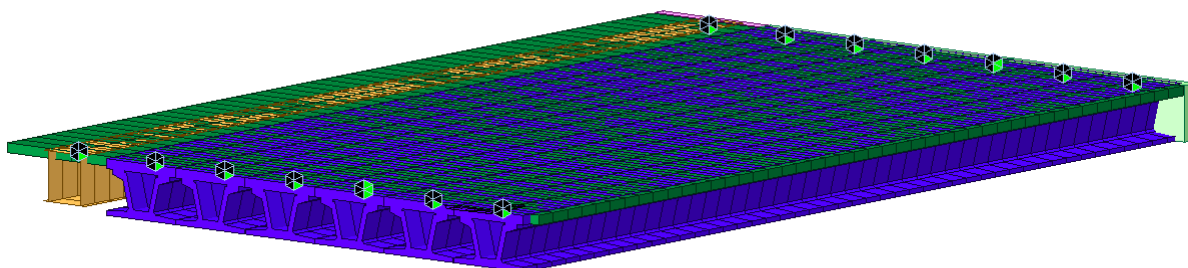


Figura 10 – Vista assometrica del modello dell'impalcato nello stato di progetto

9.2 Verifiche agli Stati Limite Ultimi dello stato di fatto

9.2.1 Premessa

Si riportano le verifiche delle strutture costituenti il sovrappasso nello stato di fatto. Per i muri andatori, il paramento e le fondazioni, le combinazioni di carico più gravose risultano essere quelle di tipo sismico (SLV), mentre per il paraghiaia la verifica più significativa è quella locale rispetto alle azioni di frenamento (SLU).

9.2.2 Azioni sulle fondazioni

Le sollecitazioni di calcolo per le verifiche SLV in fondazione sono state ottenute calcolando, a partire dalle azioni caratteristiche, di seguito riportate, le risultanti di tutte le azioni normali, taglianti e flettenti rispetto al piano della palificata, il cui centro corrisponde con il baricentro dell'impronta del plinto, e ripartendo poi gli sforzi secondo gli interassi.

Si faccia riferimento alle seguenti figure ed agli elaborati di progetto per una migliore comprensione.

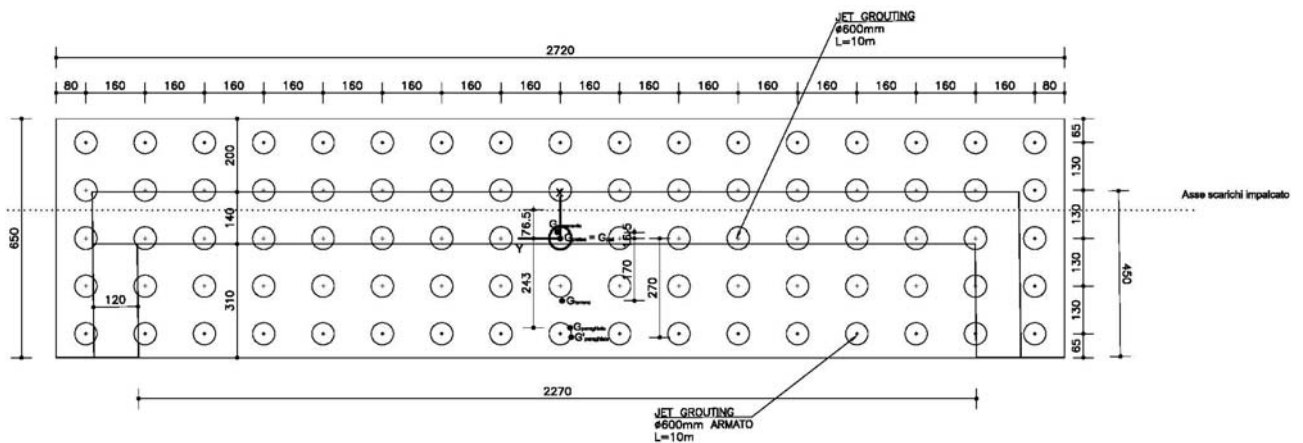


Figura 11 – Pianta fondazioni nello stato di fatto

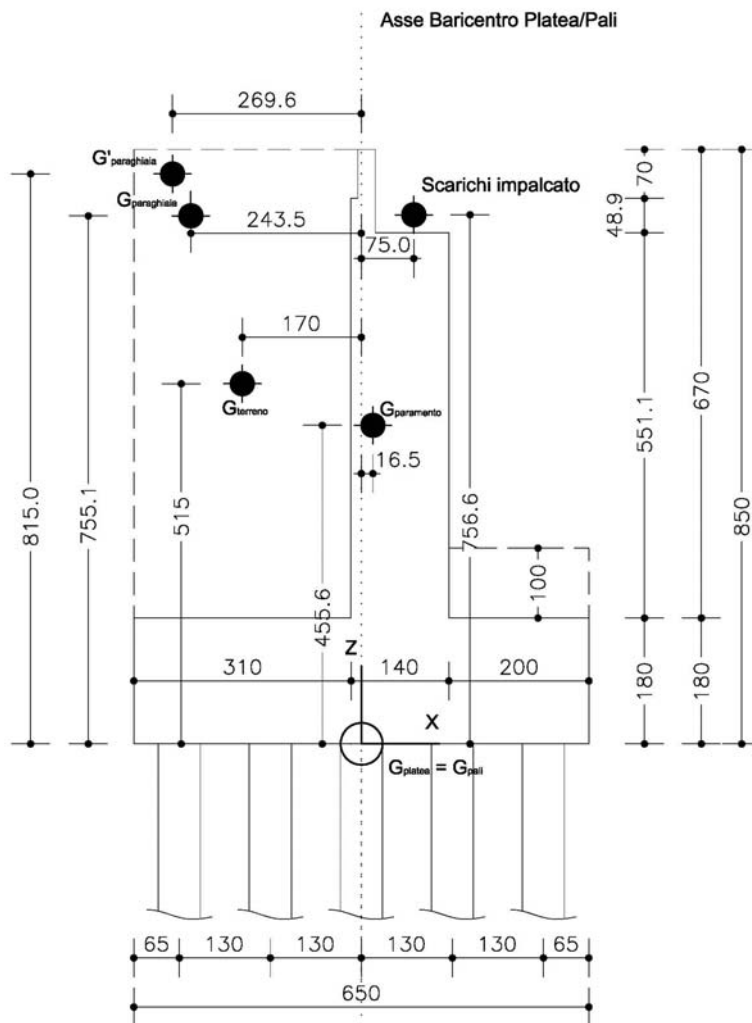


Figura 12 – Geometria di calcolo delle spalle nello stato di fatto

Peso della spalla (kN)

$$N_{Pm} = W_{platea} + W_{paramento} + W_{paraghiaia} = 7956.0 + 5804.5 + 1043.3 = 14804.0$$

Peso del terreno a monte (kN)

$$N_{Pt,m} = W_{terreno,m} = 9429.6$$

Peso del terreno a valle e laterale (kN)

$$N_{Pt,v-l} = W_{terreno,v} + W_{terreno,l} = 1000 + 1750 = 2750$$

Scarico verticale singolo impalcato (kN)

$$N_{Imp} = 2793.7$$

Risultante spinta statica del terreno (kN/m)

$$S_{st} = 0.5 k_a \gamma H_{tot}^2 = 195.8$$

Risultante incremento di spinta sismica terreno (kN/m)

$$S_{st} = 0.5 (k_{aE} - k_a) \gamma H_{tot}^2 = 88.5$$

Forze d'inerzia del muro (kN)

$$F_{im} = (W_{paramento} + W_{paraghiaia}) k_h = 1355.9$$

Forza d'inerzia singolo impalcato (kN)

$$F_{ii} = N_{Imp} k_h = 553.0$$

Forza d'inerzia del terreno a monte – Sisma direzione parallela asse impalcato (kN/m)

$$F_{it-long} = 82.3$$

Forza d'inerzia del terreno a monte – Sisma direzione trasversale asse impalcato (kN/m)

$$F_{it-trasv} = 301.1$$

Sollecitazioni totali sul piano della palificata per combinazioni SLV

$$N = 35197.6 \text{ kN}$$

$$V_x = 13002.2 \text{ kN}$$

$$M_y = 36566.4 \text{ kN m}$$

Sforzi sollecitanti di progetto su pali SLV:

$$N_{max} = 750.4 \text{ kN}$$

$$N_{min} = 77.8 \text{ kN}$$

$$V_{X,max} = 325.1 \text{ kN}$$

9.2.3 Verifiche delle colonne di jet grouting $\Phi 600 - L_P = 10 \text{ m}$ (STR/GEO)

Carico limite delle colonne di jet grouting (GEO)

Le colonne di jet grouting ricadono per tutto il loro sviluppo verticale nell'unità geotecnica UG3.

La resistenza alla punta di calcolo è pari a:

$$P_d = (\sigma'_{VL} N_q \pi d^2/4) / (\xi_3 \gamma_{R3}) = 908.7 \text{ kN}$$

in quanto

$$\sigma'_{VL} = 19 \text{ kN/m}^3 * 2.8 \text{ m} + (21 - 10) \text{ kN/m}^3 * 10 \text{ m} = 163.2 \text{ kN/m}^2$$

$$d = 0.60 \text{ m}$$

$$N_q = N_q(\varphi' = 34, L/D = 16.67) = 38.55$$

$$\xi_3 = 1.45$$

$$\gamma_{R3} = 1.35$$

La resistenza laterale in compressione di calcolo è invece pari a:

$$S_d = (\pi d L_P \sigma'_{vm} \mu k) / (\xi_3 \gamma_{R3}) = 414.8 \text{ kN}$$

essendo:

$$\sigma'_{vm} = (19 \text{ kN/m}^3 * 2.8 \text{ m} + 163.2 \text{ kN/m}^2) / 2 = 108.2 \text{ kN/m}^2$$

$$\mu = \text{tg}(37^\circ) = 0.754$$

$$k = 0.45$$

$$\xi_3 = 1.45$$

$$\gamma_{R3} = 1.15$$

$$d = 0.60 \text{ m}$$

Il carico limite di calcolo è pertanto pari $P_d + S_d = 1323.5 \text{ kN}$.

Resistenza a compressione assiale colonne di jet grouting (STR)

| $f_{j,media}$ Mpa | γ_j | F.C. | $f_{j,d}$ MPa | d mm | Area mm ² | $N_{j,Rd}$ kN |
|----------------------|------------|------|------------------|---------|-------------------------|------------------|
| 8 | 1.50 | 1.35 | 3.95 | 600 | 282743 | 1117.01 |

Resistenza a taglio e compressione tubi d'armatura per colonne di jet grouting (STR)

| $f_{y,media}$ Mpa | γ_j | F.C. | f_{yd} Mpa | Area mm ² | Area - Taglio mm ² | $N_{j,Rd}$ kN | $V_{j,Rd}$ kN |
|----------------------|------------|------|-----------------|-------------------------|----------------------------------|------------------|------------------|
| 355 | 1.05 | 1.00 | 338.10 | 1687 | 1074 | 570.24 | 209.59 |

Verifiche

| COMPRESSIONE | | | | | | | |
|-------------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|------------------------|--------------------------------------|
| SEZIONE COMPOSTA JET-TUBOLARE (STR) | | | | | CARICO LIMITE (GEO) | | |
| N_{tubolare} kN | N_{jet} kN | N_{R_TOT} kN | N_{max} kN | N_{R_TOT}/N_{max} - | N_{max} kN | Q_{LIM} kN | $Q_{\text{LIM}}/N_{\text{max}}$ - |
| 570.24 | 1117.01 | 1687.25 | 750.36 | 2.25 | 750.36 | 1323.45 | 1.79 |

| TAGLIO | | |
|----------------|------------------------|--------------------------------|
| V_{Rd} kN | V_{max} kN | $V_{c,Rd}/V_{\text{max}}$ - |
| 209.59 | 325.06 | 0.64 – NON VERIFICATO |

9.2.4 Verifiche del plinto (STR)

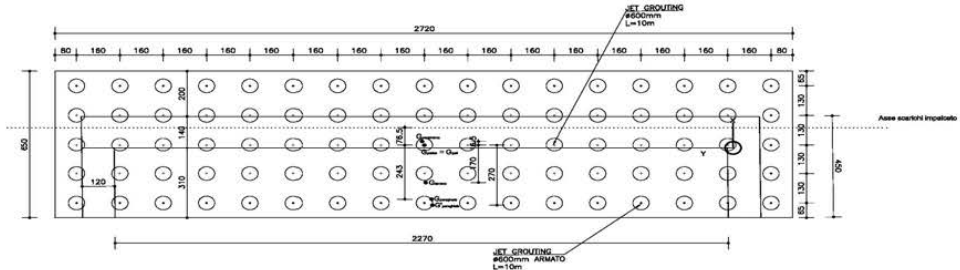
Verifica del tirante del traliccio

n° pali *n* diametro pali (mm)

85 **60**

OPERA

Spalle K. 24 + 358



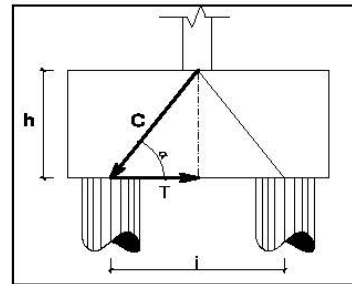
| geometria del plinto | | |
|-----------------------------|-----------------------------|--|
| interasse pali <i>i</i> (m) | altezza plinto <i>h</i> (m) | distanza asse palo - filo paramento <i>d</i> (m) |
| 1.30 | 1.80 | 1.35 |

| sollecitazioni massime agenti sul singolo palo | |
|--|--------------|
| N (t) | V (t) |
| 75.32 | 33.19 |

Calcolo del plinto con il Metodo delle pielle compresse

calcolo del massimo sforzo di trazione nelle barre T (t)

| | |
|----------------|-------|
| $T=N/tg\alpha$ | 56.49 |
|----------------|-------|



| calcolo armatura necessaria (cm ²) | | armatura disp. (cm ²) | |
|--|-------|-----------------------------------|--|
| $A_{f,nec}=T / f_{ym}$ | 14.76 | 31.86 | |

| | | |
|---|---------------------------|--------|
| armatura longitudinale (cm ²) | T_{Rd} (t) | 121.88 |
|---|---------------------------|--------|

| | |
|--|----------------------|
| | cavallotti |
| | 1Ø24/ 50 x 50 |

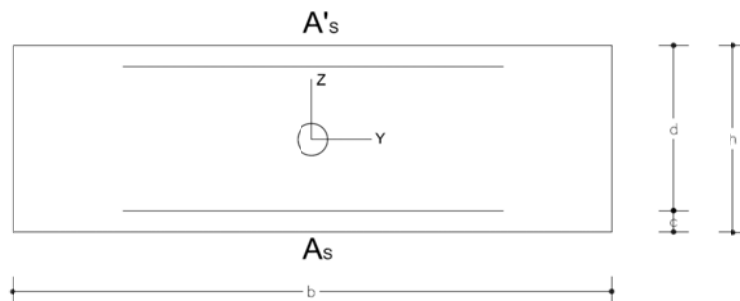
| | |
|--|-----------------|
| | ferri di parete |
| | 3Ø16 |

| | |
|--|----------------|
| | rete superiore |
| | Ø20/25 |

| | |
|--|----------------|
| | rete inferiore |
| | Ø26/25 |

9.2.5 Verifiche della sovrastruttura (STR)

Le caratteristiche geometriche, le armature delle sezioni e le azioni sollecitanti e resistenti di progetto sono riferite all'immagine di seguito riportata.



Le verifiche sono state svolte per la combinazione di azioni più gravosa.

Nel caso del paramento la combinazione più gravosa è quella data dalle spinte esercitate dal terreno e dalle forze di inerzia in condizione sismica rivolte dalla spalla verso l'impalcato.

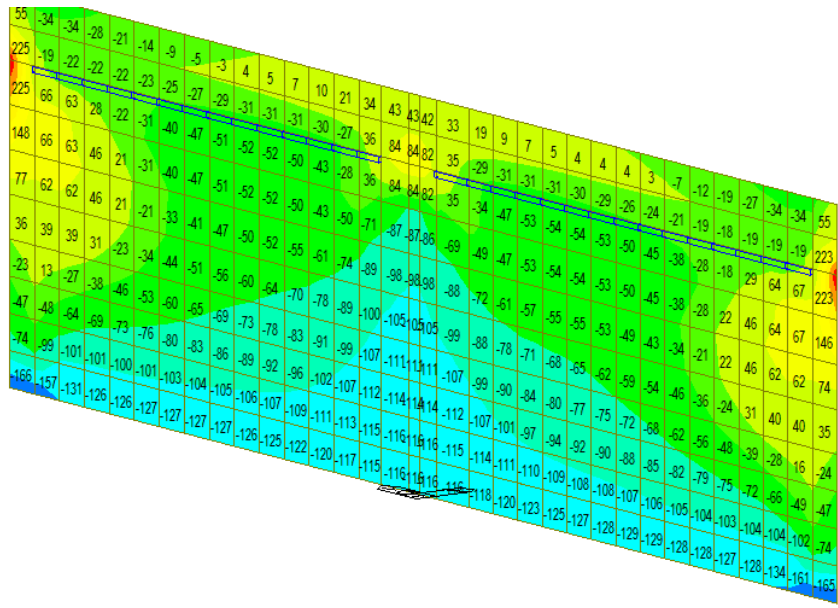
I muri andatori sono stati verificati rispetto alle spinte del terreno a tergo della spalla ed alle forze d'inerzia in condizioni sismiche.

Le verifiche locali del paraghiaia sono state eseguite nel caso in cui il verso dell'azione di frenamento è quello che va dalla spalla verso l'impalcato.

Verifiche del paramento (SLV)

| b [m] | h [m] | c = c' [m] | A_s | A'_s |
|--------------|--------------|-------------------|----------------------|-----------------------|
| 1.00 | 1.40 | 0.04 | Φ26/25 | Φ16/25 |

Le figure che seguono mostrano le caratteristiche della sollecitazione calcolate sul paramento della spalla



POST-PROCESSOR
PLATE FORCE
FORCE-Fxx

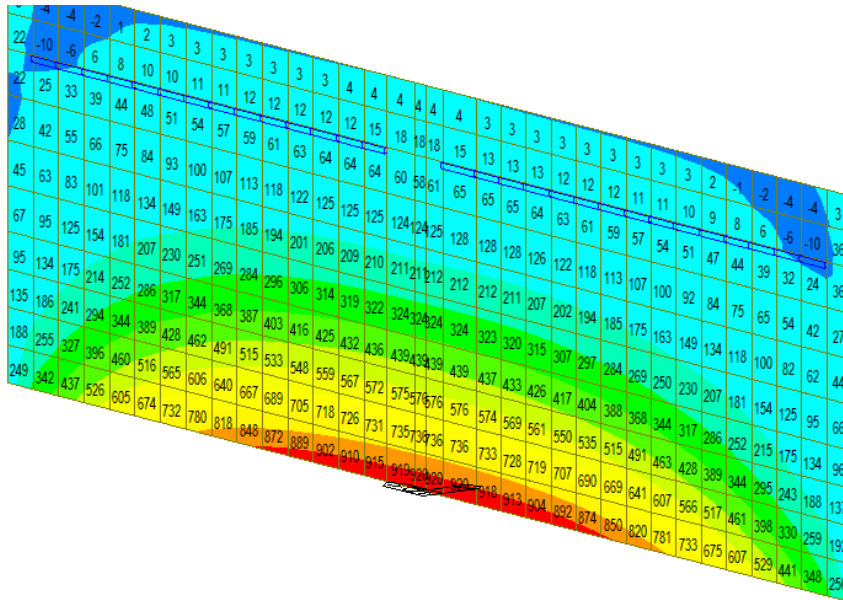
- 2.25212e+002
- 1.89650e+002
- 1.54087e+002
- 1.18525e+002
- 8.29621e+001
- 4.73997e+001
- 0.00000e+000
- 2.37252e+001
- 5.92877e+001
- 9.48502e+001
- 1.30413e+002
- 1.65975e+002

CB: VERIFICA +
Avg Nodal

MAX : 616
MIN : 541

FILE: Spalla 117
UNIT: kN/m
DATE: 09/23/2013

VIEW-DIRECTION
X: -0.564
Y: -0.806



POST-PROCESSOR
PLATE FORCE
MOMENT-Myy

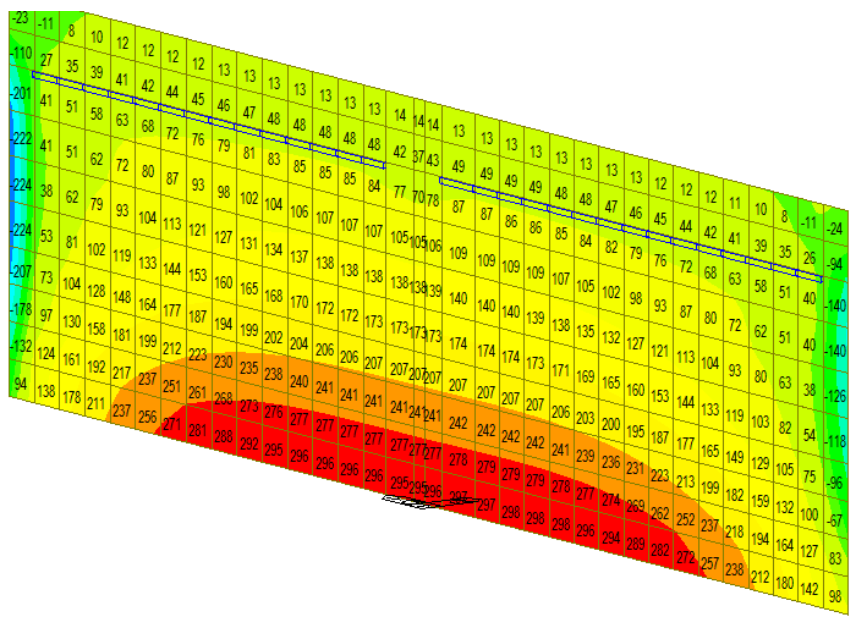
- 9.20130e+002
- 8.34440e+002
- 7.48749e+002
- 6.63059e+002
- 5.77368e+002
- 4.91678e+002
- 4.05988e+002
- 3.20297e+002
- 2.34607e+002
- 1.48916e+002
- 0.00000e+000
- 2.24644e+002

CB: VERIFICA +
Avg Nodal

MAX : 317
MIN : 721

FILE: Spalla 117
UNIT: kN*m/m
DATE: 09/23/2013

VIEW-DIRECTION
X: -0.564
Y: -0.806



POST-PROCESSOR
PLATE FORCE
SHEAR-Vyy

- 2.97704e+002
- 2.50307e+002
- 2.02911e+002
- 1.55514e+002
- 1.08117e+002
- 6.07197e+001
- 0.00000e+000
- 3.40741e+001
- 8.14711e+001
- 1.28868e+002
- 1.76265e+002
- 2.23662e+002

CB: VERIFICA +
Avg Nodal

MAX : 314
MIN : 571

FILE: Spalla 117
UNIT: kN/m
DATE: 09/23/2013

VIEW-DIRECTION
X: -0.564
Y: -0.806

| Verifica a Pressoflessione | | | | |
|----------------------------|--------------------|-----------------|--------------------|-------------|
| N_{sd} [kN/m] | $M_{y,sd}$ [kNm/m] | N_{Rd} [kN/m] | $M_{y,Rd}$ [kNm/m] | FS |
| 559.83 | 920.13 | 1173.30 | 1928.30 | 2.09 |

Verifiche a taglio - D.M. 14-01-2008

Materiali

| Calcestruzzo | |
|--------------|------|
| Rck [Mpa] | 25 |
| fck [Mpa] | 20.8 |
| fcđ [Mpa] | 11.8 |

| Acciaio | |
|-----------|-------|
| fyk [Mpa] | 431 |
| fyđ [Mpa] | 374.8 |

| | |
|------------------|--------|
| k | 1.38 |
| v_{min} | 0.26 |
| ρ_l | 0.0016 |
| σ_φ | 0.3999 |

| | |
|----------------------|-------------|
| ν | 0.5 |
| $(\sigma_\varphi)^*$ | 0.399878571 |
| α_c | 1.0340081 |
| ω_{sw} | 0.014 |
| cotg θ | 5.905 |
| cotg θ^* | 2.500 |

Geometria sezione

| | |
|--------|------|
| b [mm] | 1000 |
| h [mm] | 1400 |
| c [mm] | 40 |
| d [mm] | 1360 |

Armatura longitudinale

| | |
|-------------------------|---------|
| n° barre | 4 |
| diametro | 26 |
| Area [mm ²] | 2122.64 |

Armatura trasversale

| | |
|-----------------------------|--------|
| Staffe Φ | 12 |
| n° bracci | 2 |
| A_{sw} [mm ²] | 226.08 |
| s [mm] | 500 |

Sollecitazioni di calcolo

| | |
|---------------|--------|
| N_{Ed} [kN] | 559.83 |
| V_{Ed} [kN] | 297.7 |

VERIFICA

Sezione non armata a taglio

| | |
|---------------|------------|
| V_{Rd} [kN] | 434.41 |
| | Verificato |

Sezione armata a taglio

Crisi armatura a taglio

| | |
|----------------|---------|
| V_{Rsd} [kN] | 518.55 |
| V_{Rzd} [kN] | 2565.80 |

| | |
|---------------|------------|
| V_{Rd} [kN] | 518.55 |
| | Verificato |

Verifiche del paraghiaia - sp. 0.25m (SLU)

Le verifiche locali del paraghiaia sono state eseguite nel caso in cui il verso della frenatura è quello che va dalla spalla verso l'impalcato.

| b [m] | h [m] | c = c' [m] | A _s | A' _s |
|-------|-------|------------|----------------|-----------------|
| 1.98 | 0.25 | 0.03 | Φ12/25 | Φ16/25 |

| Verifica a Pressoflessione | | | | |
|----------------------------|-------------------------|------------------------|-------------------------|-------------|
| N _{sd} [kN] | M _{y,sd} [kNm] | N _{Rd} [kN/m] | M _{y,Rd} [kNm] | FS |
| 158.32 | 94.50 | 168.0 | 100.3 | 1.06 |

| Verifiche a taglio - D.M. 14-01-2008 | | | | | | | |
|--------------------------------------|-------------|-------------------|------|------------------------------------|----------|-----------------------------|--------|
| Materiali | | Geometria sezione | | Armatura longitudinale | | Solicitazioni di calcolo | |
| <i>Calcestruzzo</i> | | b [mm] | 1980 | n° barre | 7.92 | N _{Rd} [kN] | 158.32 |
| R _{ck} [Mpa] | 25 | h [mm] | 250 | diametro | 12 | V _{Rd} [kN] | 135 |
| f _{ck} [Mpa] | 20.8 | c [mm] | 30 | Area [mm ²] | 895.2768 | | |
| f _{cd} [Mpa] | 11.8 | d [mm] | 220 | | | | |
| <i>Acciaio</i> | | | | Armatura trasversale | | VERIFICA | |
| f _{yk} [Mpa] | 431 | | | Staffe Φ | 12 | Sezione non armata a taglio | |
| f _{yd} [Mpa] | 374.8 | | | n° bracci | 2 | V _{Rd} [kN] | 210.51 |
| | | | | A _{sv} [mm ²] | 226.08 | Verificato | |
| | | | | s [mm] | 500 | | |
| k | 1.95 | | | | | | |
| v _{min} | 0.44 | | | | | | |
| ρ _l | 0.0021 | | | | | | |
| σ _{wp} | 0.3198 | | | | | | |
| v' | 0.5 | | | | | | |
| (σ _{wp}) [*] | 0.319838384 | | | | | | |
| α _s | 1.027200996 | | | | | | |
| ω _{sw} | 0.007 | | | | | | |
| cotgθ | 8.340 | | | | | | |
| cotgθ [*] | 2.500 | | | | | | |

Verifiche del paraghiaia - sp. 0.35m (SLU)

| b [m] | h [m] | c = c' [m] | A _s | A' _s |
|-------|-------|------------|----------------|-----------------|
| 4.98 | 0.35 | 0.03 | Φ16/25 | Φ16/25 |

| Verifica a Pressoflessione | | | | |
|----------------------------|-------------------------|------------------------|-------------------------|-------------|
| N _{sd} [kN] | M _{y,sd} [kNm] | N _{Rd} [kN/m] | M _{y,Rd} [kNm] | FS |
| 372.21 | 324.0 | 733.5 | 638.5 | 1.97 |

Materiali

| Calcestruzzo | |
|-----------------------|------|
| R _{ck} [Mpa] | 25 |
| f _{ck} [Mpa] | 20.8 |
| f _{cd} [Mpa] | 11.8 |

| Acciaio | |
|-----------------------|-------|
| f _{yk} [Mpa] | 431 |
| f _{yd} [Mpa] | 374.8 |

| | |
|------------------|--------|
| k | 1.79 |
| v _{min} | 0.38 |
| ρ _i | 0.0025 |
| σ _{cp} | 0.2135 |

| | |
|---------------------|-------------|
| ν | 0.5 |
| (σ _{cp})* | 0.213545611 |
| α _c | 1.018161214 |
| ω _{sw} | 0.003 |
| cotgθ | 13.225 |
| cotgθ* | 2.500 |

Geometria sezione

| | |
|--------|------|
| b [mm] | 4980 |
| h [mm] | 350 |
| c [mm] | 30 |
| d [mm] | 320 |

Armatura longitudinale

| | |
|-------------------------|-----------|
| n° barre | 19.92 |
| diametro | 16 |
| Area [mm ²] | 4003.1232 |

Armatura trasversale

| | |
|------------------------------------|--------|
| Staffe Φ | 12 |
| n° bracci | 2 |
| A _{sw} [mm ²] | 226.08 |
| s [mm] | 500 |

Sollecitazioni di calcolo

| | |
|----------------------|--------|
| N _{Ed} [kN] | 372.21 |
| V _{Ed} [kN] | 270 |

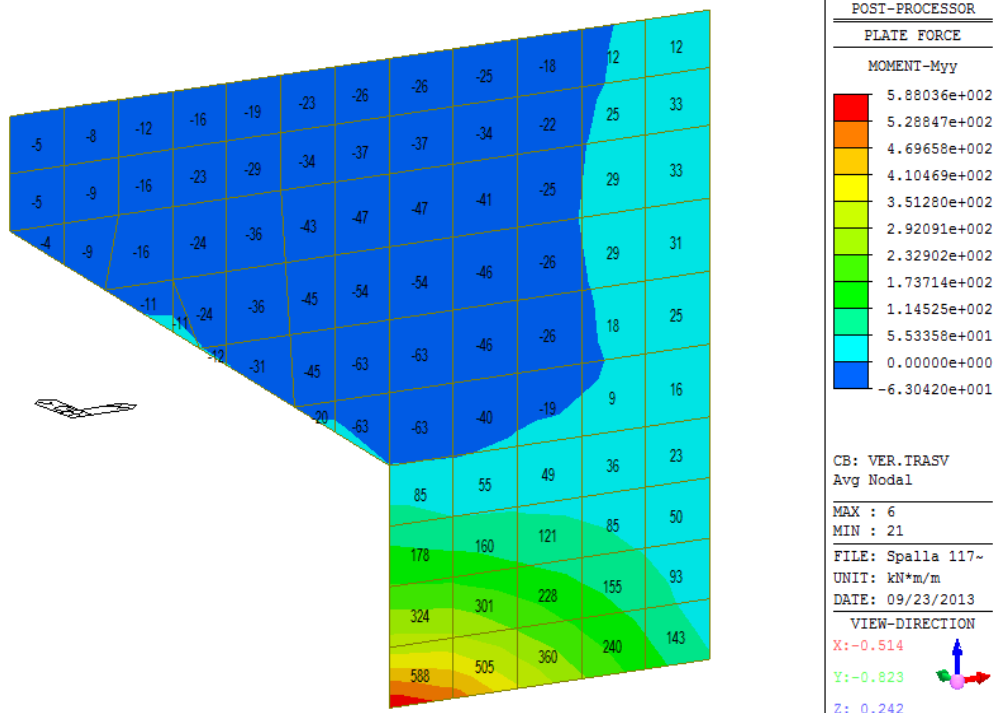
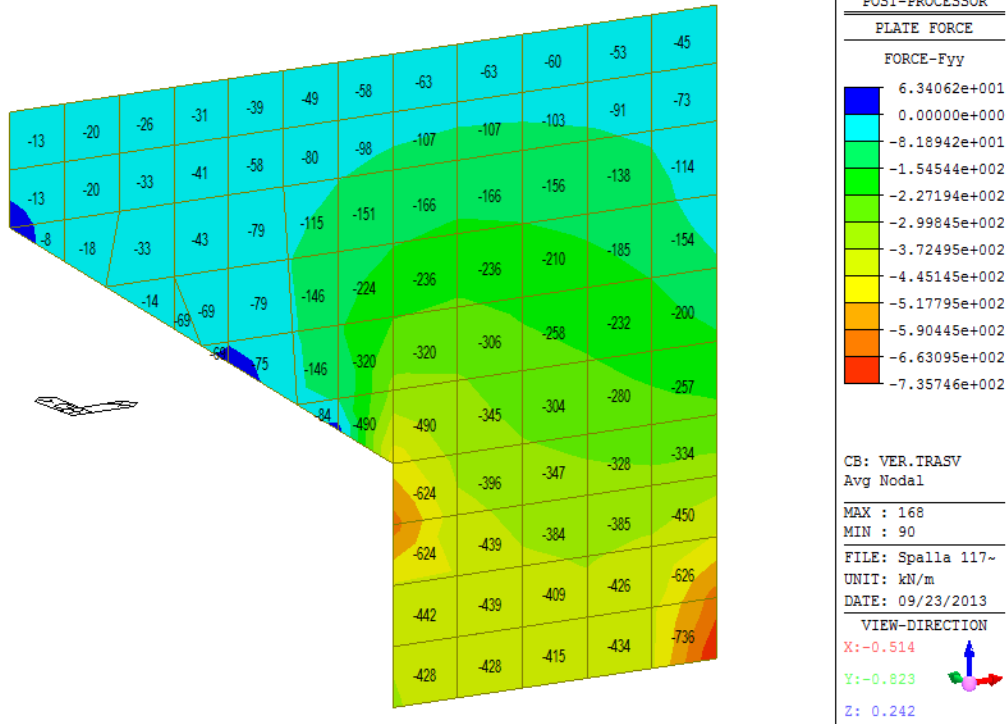
VERIFICA

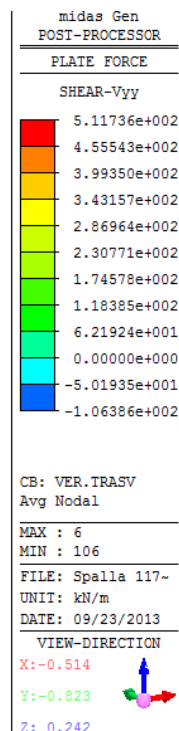
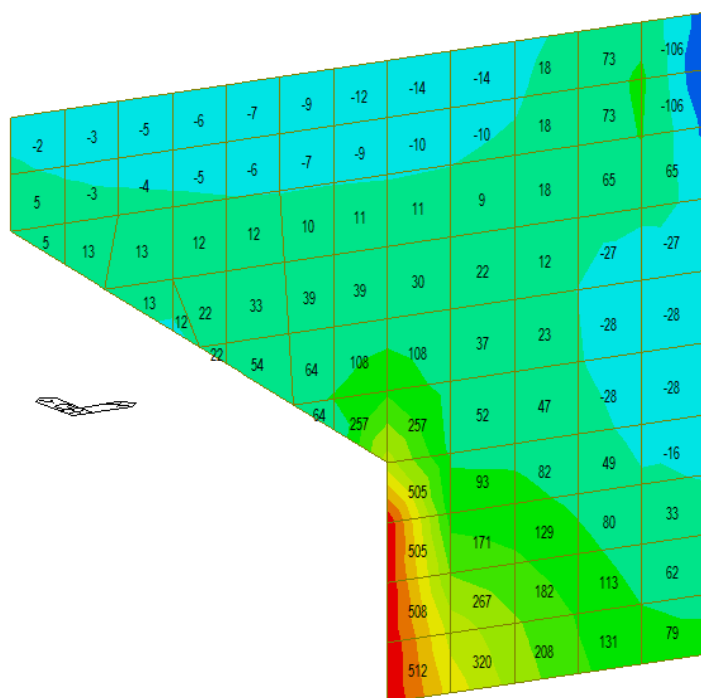
| Sezione non armata a taglio | |
|-----------------------------|------------|
| V _{Rd} [kN] | 659.80 |
| | Verificato |

Verifiche dei muri andatori

| b [m] | h [m] | c = c' [m] | A_s | A'_s |
|--------------|--------------|-------------------|----------------------|-----------------------|
| 1.00 | 1.10 | 0.04 | Φ20/25 + Φ20/50 | Φ16/25 |

Le figure che seguono mostrano le caratteristiche della sollecitazione calcolate sul muro andatore.





Verifica a Pressoflessione

| N_{sd} [kN/m] | $M_{y,sd}$ [kNm/m] | N_{Rd} [kN/m] | $M_{y,Rd}$ [kNm/m] | FS |
|-----------------|--------------------|-----------------|--------------------|-------------|
| 427.56 | 588.04 | 934.40 | 1285.10 | 2.18 |

Materiali

| Calcestruzzo | |
|--------------|------|
| Rck [Mpa] | 25 |
| fck [Mpa] | 20.8 |
| fed [Mpa] | 11.8 |

| Acciaio | |
|-----------|-------|
| fyk [Mpa] | 431 |
| fyd [Mpa] | 374.8 |

| | |
|---------------|--------|
| k | 1.43 |
| v_{min} | 0.27 |
| ρ_l | 0.0018 |
| σ_{cp} | 0.3887 |

| | |
|-------------------|-------------|
| ν | 0.5 |
| $(\sigma_{cp})^*$ | 0.388690909 |
| α_c | 1.033056633 |
| ω_{sw} | 0.014 |
| cotg θ | 5.903 |
| cotg θ^* | 2.500 |

Geometria sezione

| | |
|--------|------|
| b [mm] | 1000 |
| h [mm] | 1100 |
| c [mm] | 40 |
| d [mm] | 1060 |

Armatura longitudinale

| | |
|-------------------------|------|
| n° barre | 6 |
| diametro | 20 |
| Area [mm ²] | 1884 |

Armatura trasversale

| | |
|-----------------------------|--------|
| Staffe Φ | 12 |
| n° bracci | 2 |
| A_{sw} [mm ²] | 226.08 |
| s [mm] | 500 |

Sollecitazioni di calcolo

| | |
|---------------|--------|
| N_{Ed} [kN] | 427.56 |
| V_{Ed} [kN] | 319.66 |

VERIFICA

Sezione non armata a taglio

| | |
|---------------|------------|
| V_{Rd} [kN] | 352.12 |
| | Verificato |

Sezione armata a taglio

Crisi armatura a taglio

| | |
|----------------|---------|
| V_{Rsd} [kN] | 404.17 |
| V_{Rcd} [kN] | 1997.98 |

| | |
|---------------|------------|
| V_{Rd} [kN] | 404.17 |
| | Verificato |

Incremento peso della spalla (kN)

$$\Delta N_{Pm} = \Delta W_{platea} + \Delta W_{spalla} = 675.8 + 1150.8 = 1826.5$$

Incremento peso del riempimento a monte (kN)

$$\Delta N_{Pt} = \Delta W_{terreno} = 483.4$$

Incremento peso del terreno a valle e laterale (kN)

$$\Delta N_{Pt,v-l} = \Delta W_{terreno,v} + \Delta W_{terreno,l} = 48.0 + 1010.3 = 1058.3$$

Sforzo normale dovuto al sovraccarico accidentale q a monte (kN/m)

$$N_q = q B_q = 62.0$$

Incremento scarico verticale allargamento impalcato (kN)

$$\Delta N_{Imp} = 301.4$$

Incremento scarico verticale accidentale allargamento impalcato (kN)

$$\Delta N_{q,Imp} = 547.8$$

Risultante spinta statica del terreno (kN/m)

$$S_{st} = 0.5 k_a \gamma H_{tot}^2 = 205.4$$

Risultante incremento di spinta sismica terreno (kN/m)

$$S_{st} = 0.5 (k_{aE} - k_a) \gamma H_{tot}^2 = 86.4$$

Incremento forze d'inerzia del muro (kN)

$$\Delta F_{im} = \Delta W_{spalla} k_h = 227.9$$

Incremento forza d'inerzia allargamento impalcato (kN)

$$\Delta F_{ii} = \Delta N_{Imp} k_h = 74.8$$

Forza d'inerzia del terreno a monte – Sisma direzione parallela asse impalcato (kN)

$$F_{it-long} = \Delta W_{terreno} k_h = 95.5$$

Forza d'inerzia del terreno a monte – Sisma direzione trasversale asse impalcato (kN)

$$F_{it-trasv} = \Delta W_{terr} k_h = 95.5$$

Incremento del tagliante sismico allo SLV

$$\Delta V = 839.7 \text{ kN}$$

Tagliante sismico allo SLV (tiranti)

$$V_{\text{sdp,tir}} = V_{\text{sdf}} + \Delta V = (13002.2 + 839.7) \text{ kN} = 13841.9 \text{ kN}$$

9.3.3 Azioni sui pali

E' stato realizzato un modello FEM della spalla per determinare la distribuzione dei carichi nella configurazione di progetto tra strutture di fondazione preesistenti e nuove strutture di fondazione. Nel modello, comprensivo della zattera di fondazione, i vincoli traslazionale orizzontali e verticali esercitati dai pali e dalle colonne in jet grouting sono stati modellati mediante vincoli elastici la cui rigidezza è stata opportunamente tarata in funzione della effettiva deformabilità delle suddette strutture di fondazione profonde.

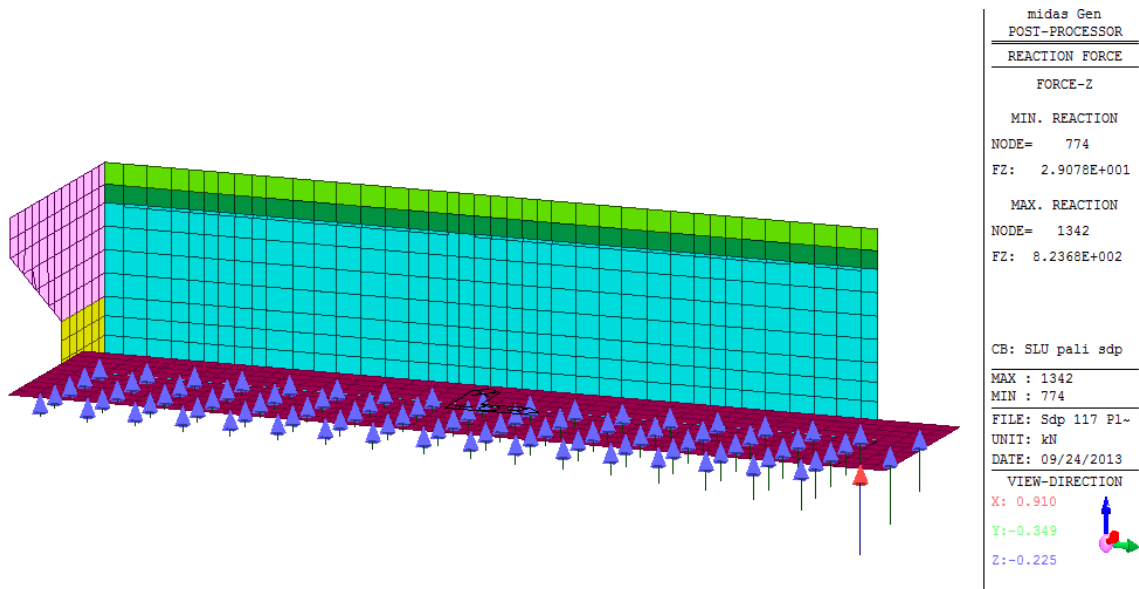


Figura 14 – Modello della struttura nello stato di progetto

Con riferimento alla seguente immagine, si riportano le azioni sollecitanti caratteristiche dell'allargamento della zattera; dopodiché si riportano per i nuovi pali trivellati $\Phi 800$ e per le colonne di jet grouting esistenti le azioni assiali, taglianti e flettenti (queste ultime solo per i pali $\Phi 800$, in quanto impediti di ruotare in testa) per le combinazioni sismiche e non del tipo A1 + M1 + R3.

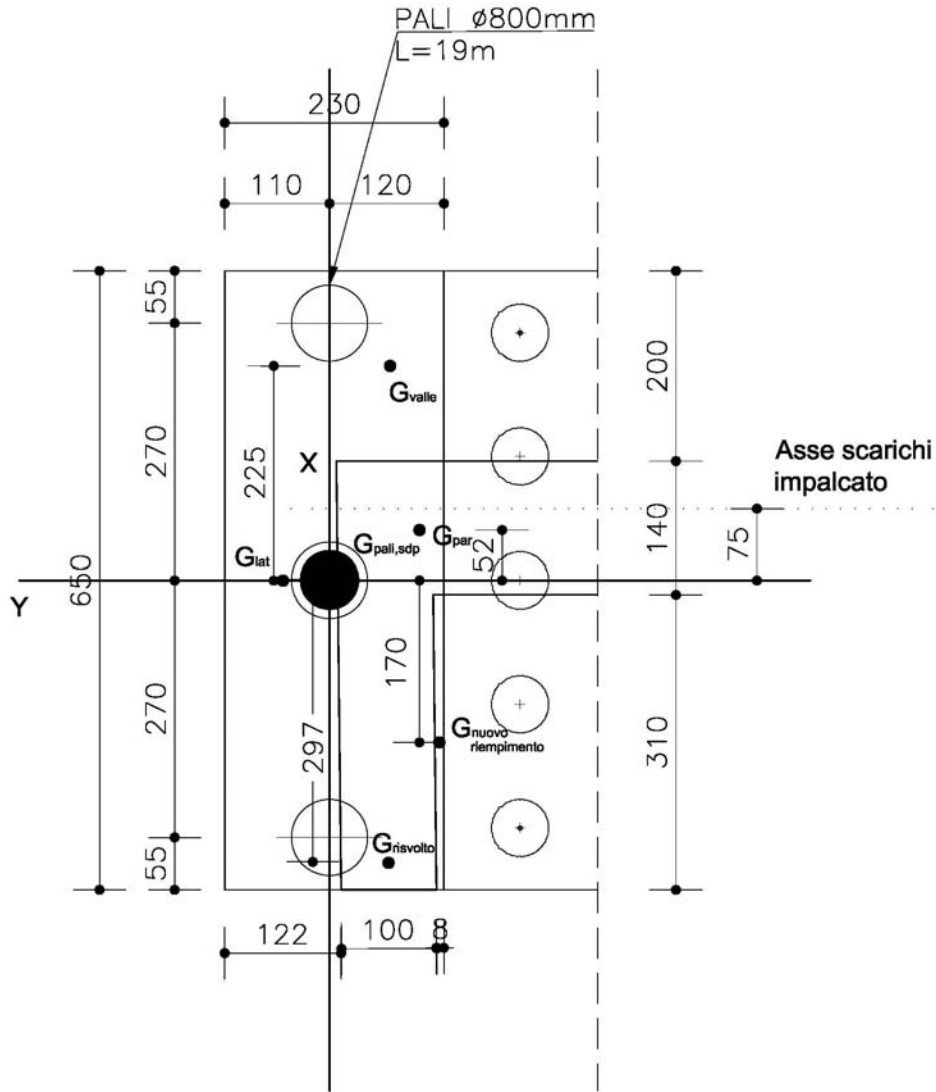


Figura 15 – Stralcio della geometria della fondazione in corrispondenza dell'allargamento

Peso dell'allargamento della spalla (kN)

$$N_{P,sdp} = W_{platea,sdp} + W_{spalla,sdp} = 930.1 + 703.8 = 1633.9$$

Peso del nuovo riempimento a monte (kN)

$$N_{Pt,sdp} = W_{tm,sdp} = 34.9$$

Sforzo normale dovuto al sovraccarico accidentale q a monte (kN)

$$N_{q,sdp} = 5.0$$

Peso del terreno a valle e laterale (kN)

$$N_{Pt,v-l sdp} = W_{terreno,v sdp} + W_{terreno,l sdp} = 48.0 + 158.6 = 206.6$$

Scarico verticale peso proprio e permanente allargamento impalcato (kN)

$$N_{\text{Imp}} = 365.1$$

Scarico verticale carichi mobili allargamento impalcato (kN)

$$N_{q,\text{Imp}} = 446.4$$

Sforzi (SLU) su pali $\Phi 800$:

$$N_{\text{max}} = 823.7 \text{ kN}$$

Sforzi (SLV – Sisma Trasversale) su pali $\Phi 800$:

$$N_{\text{max}} = 869.5 \text{ kN}$$

$$V_{\text{max}} = 429.0 \text{ kN}$$

Sforzi (SLU) su colonne jet grouting $\Phi 600$:

$$N_{\text{max}} = 823.7 \text{ kN}$$

Sforzi (SLV – Sisma Trasversale) su colonne jet grouting $\Phi 600$:

$$N_{\text{max}} = 466.0 \text{ kN}$$

$$V_{\text{max}} = 69.31 \text{ kN}$$

Dall'analisi dei valori delle azioni appena riportate, si evince che le verifiche sulle strutture di fondazione esistenti risultano soddisfatte in quanto le sollecitazioni su di esse agenti non superano i valori di resistenza già calcolati per lo stato di fatto.

9.3.4 Verifiche dei pali trivellati $\Phi 800 - L_P = 19 \text{ m}$ (STR/GEO)

Carico limite dei pali trivellati (GEO)

I nuovi pali ricadono per tutto il loro sviluppo verticale nell'unità geotecnica UG3, tranne che alla profondità compresa tra 15m e 16m dal piano campagna, in cui il terreno di riferimento è l'unità geotecnica UG4.

La resistenza alla punta di calcolo è pari a:

$$P_d = (\sigma'_{VL} N_q \pi d^2/4) / (\xi_3 \gamma_{R3}) = 2494.41 \text{ kN}$$

in quanto

$$\sigma'_{VL} = 19 \text{ kN/m}^3 * 2.8 \text{ m} + (21 - 10) \text{ kN/m}^3 * (12 + 6) \text{ m} + (20 - 10) \text{ kN/m}^3 * 1 \text{ m} = 261.2 \text{ kN/m}^2$$

$$d = 0.80 \text{ m}$$

$$N_q = N_q(\varphi' = 34, L/D = 23.75) = 37.19$$

$$\xi_3 = 1.45$$

$$\gamma_{R3} = 1.35$$

La resistenza laterale in compressione di calcolo è invece pari a:

$$S_d = [\pi d \sum (\sigma'_{vm_i} \mu_i k_i L_i + a_i L_i)] / (\xi_3 \gamma_{R3}) = 1506.99 \text{ kN}$$

essendo:

| Unità geotecnica | z_i [m] | ΔH_i [m] | γ [kN/m ³] | γ' [kN/m ³] | ϕ [°] | μ_i [-] | k_i [-] | c_u [kPa] | α [-] | a_i [kPa] |
|------------------|--------------|---------------------|----------------------------------|-----------------------------------|---------------|----------------|--------------|----------------|-----------------|----------------|
| UG1 | 2.8 | 2.8 | 19 | 19 | 28 | 0.532 | 0 | 0 | 0 | 0 |
| UG3 | 15 | 12 | 21 | 11 | 37 | 0.754 | 0.45 | 0 | 0 | 0 |
| UG4 | 16 | 1 | 20 | 10 | 28 | 0.532 | 0.45 | 5 | 1 | 5 |
| UG1 | 22 | 6 | 21 | 11 | 37 | 0.754 | 0.45 | 0 | 0 | 0 |

| Unità geotecnica | σ'_{zi} [kN/m ²] | σ'_{mi} [kN/m ²] | s_i [kN/m ²] | S_i [kN] |
|------------------|--|--|-------------------------------|----------------|
| UG1 | 53.2 | - | - | - |
| UG3 | 185.2 | 119.2 | 40.42 | 1219.06 |
| UG4 | 195.2 | 190.2 | 50.51 | 126.94 |
| UG1 | 261.2 | 228.2 | 77.38 | 1166.90 |
| | | | | 2512.90 |

$$\xi_3 = 1.45$$

$$\gamma_{R3} = 1.15$$

$$d = 0.80 \text{ m}$$

Il carico limite di calcolo è pertanto pari $P_d + S_d = 4001.40 \text{ kN}$.

Resistenza a compressione assiale (STR)

| f_{ck} | γ_j | f_{cd} | d | Area | $N_{j,Rd}$ |
|----------|------------|----------|-----|-----------------|----------------|
| Mpa | - | MPa | mm | mm ² | kN |
| 29.05 | 1.50 | 16.46 | 800 | 502655 | 8274.54 |

Verifiche

| N_{Sd} | COMPRESSIONE (STR) | | CARICO LIMITE (GEO) | |
|----------|--------------------|------------------|---------------------|-------------------|
| | N_{Rd} | N_{Rd}/N_{max} | Q_{LIM} | Q_{LIM}/N_{max} |
| kN | kN | - | kN | - |
| 869.50 | 8274.54 | 9.52 | 4001.40 | 4.60 |

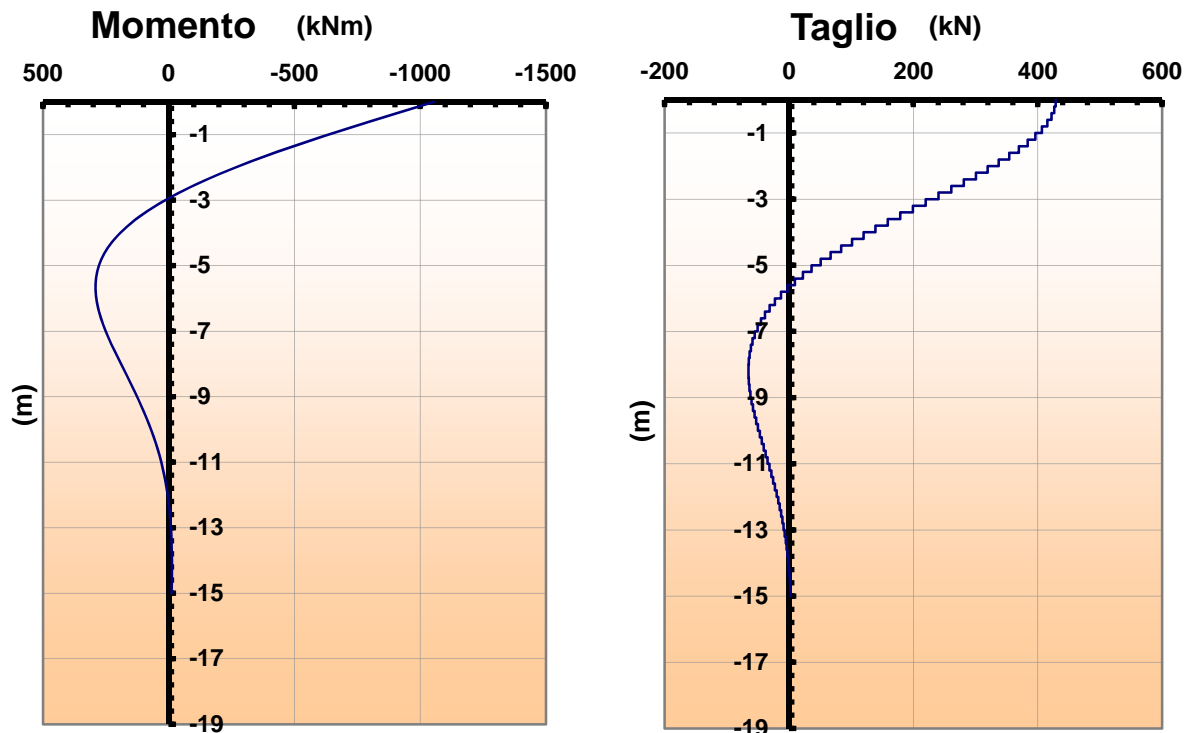
Si evidenzia che la verifica a carico limite risulta abbondantemente soddisfatta in quanto la lunghezza del palo non è stata dimensionata per esigenze di capacità portante, bensì per avere una cedevolezza molto limitata della nuova parte di fondazione.

Pressoflessione e taglio dei pali trivellati (STR)

Il momento flettente agente sulla testa dei pali è stato determinato mediante la teoria di Matlok e Reese per i pali impediti di ruotare in testa.

| d [m] | $c = c'$ [m] | A_s |
|---------|--------------|--------------|
| 0.80 | 0.04 | 24 Φ 24 |

La figura che segue mostra la distribuzione del momento e del taglio lungo lo sviluppo in verticale del palo.

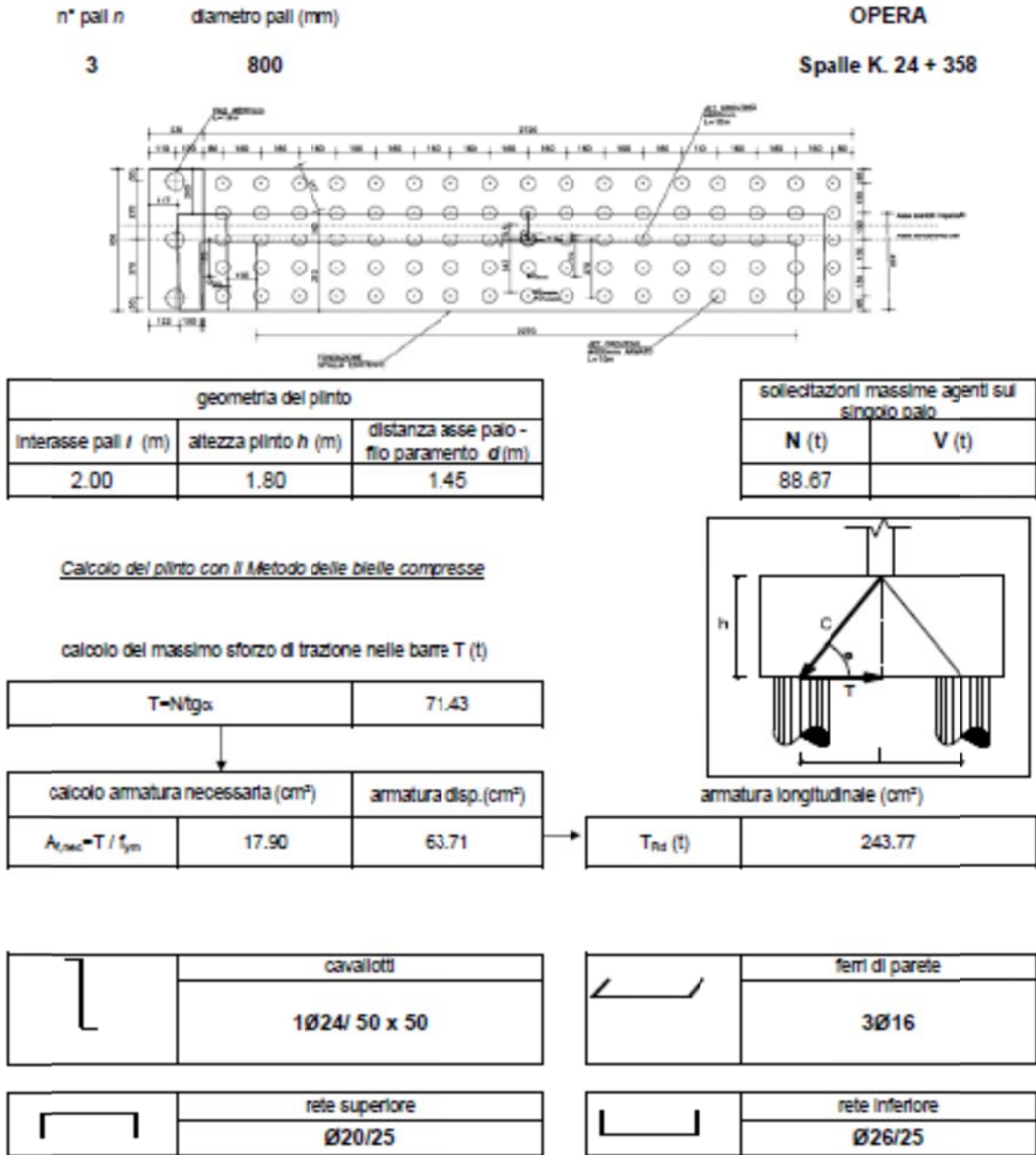


| Verifica a Pressoflessione | | | | |
|----------------------------|--------------------|-----------------|--------------------|-------------|
| N_{sd} [kN/m] | $M_{y,sd}$ [kNm/m] | N_{Rd} [kN/m] | $M_{y,Rd}$ [kNm/m] | FS |
| 869.5 | 1054.3 | 1166.1 | 1414.0 | 1.34 |

| Materiali | | Verifiche a taglio - D.M. 14-01-2008 | | Sollecitazioni di calcolo | |
|---------------------|-------------|--------------------------------------|--------|------------------------------------|--------|
| <i>Calcestruzzo</i> | | <i>Geometria sezione</i> | | <i>Armatura longitudinale</i> | |
| Rck [Mpa] | 35 | b [mm] | 550 | n° barre | |
| fck [Mpa] | 29.1 | h [mm] | 550 | diametro | |
| fed [Mpa] | 16.5 | c [mm] | 40 | Area [mm ²] | 0 |
| <i>Acciaio</i> | | <i>Armatura trasversale</i> | | <i>Sezione non armata a taglio</i> | |
| fyk [Mpa] | 450 | Staffe Φ | 14 | V_{Ed} [kN] | 230.60 |
| fyd [Mpa] | 391.3 | n° bracci | 2 | Armare!!! | |
| k | 1.63 | A_{sw} [mm ²] | 307.72 | <i>Sezione armata a taglio</i> | |
| v_{min} | 0.39 | s [mm] | 150 | <i>Cristi biella ed armatura</i> | |
| ρ_l | 0.0000 | | | V_{Rsd} [kN] | 873.76 |
| σ_{cp} | 2.8727 | | | V_{Rcd} [kN] | 873.76 |
| l' | 0.5 | | | V_{Rd} [kN] | 873.76 |
| $(\sigma_{cp})^*$ | 2.872727273 | | | Verificato | |
| α_c | 1.174510111 | | | | |
| ω_{sw} | 0.089 | | | | |
| cotg θ | 2.371 | | | | |
| cotg θ^* | 2.371 | | | | |

Per la verifica a taglio si è considerata la sezione di un quadrato di lato 550mm, che è quella inscritta nella circonferenza di 800 mm diametro.

9.3.5 Verifica del plinto (STR)



9.3.6 Verifiche dei tiranti di ancoraggio

Per ognuna delle spalle, al fine di assorbire le azioni orizzontali agenti sui pali, è prevista la disposizione di 10 tiranti di ancoraggio passivi realizzati con iniezioni ripetute e controllate con tubo a valvole e doppio otturatore. I tiranti, con diametro della perforazione $\Phi 250\text{mm}$, lunghezza 18.00m ed armati mediante dei profili tubolari 168.3mm x 12.5mm, sono inclinati di 20° rispetto al piano orizzontale.

Nel progetto della lunghezza dei tiranti si è tenuto conto della maggiorazione della lunghezza libera in condizioni sismiche prevista dalla norma al punto 7.11.6.4 - NTC per la quale, detta L_e la lunghezza libera in condizioni sismiche ed $L_s = 5.89$ m quella con condizioni statiche, $L_e = L_s (1 + 1.5 a_{\max}/g) = 7.64$ m, essendo $a_{\max}/g = 0.198$. Pertanto la lunghezza dell'ancoraggio risulta pari a $L_b = 10.36$ m.

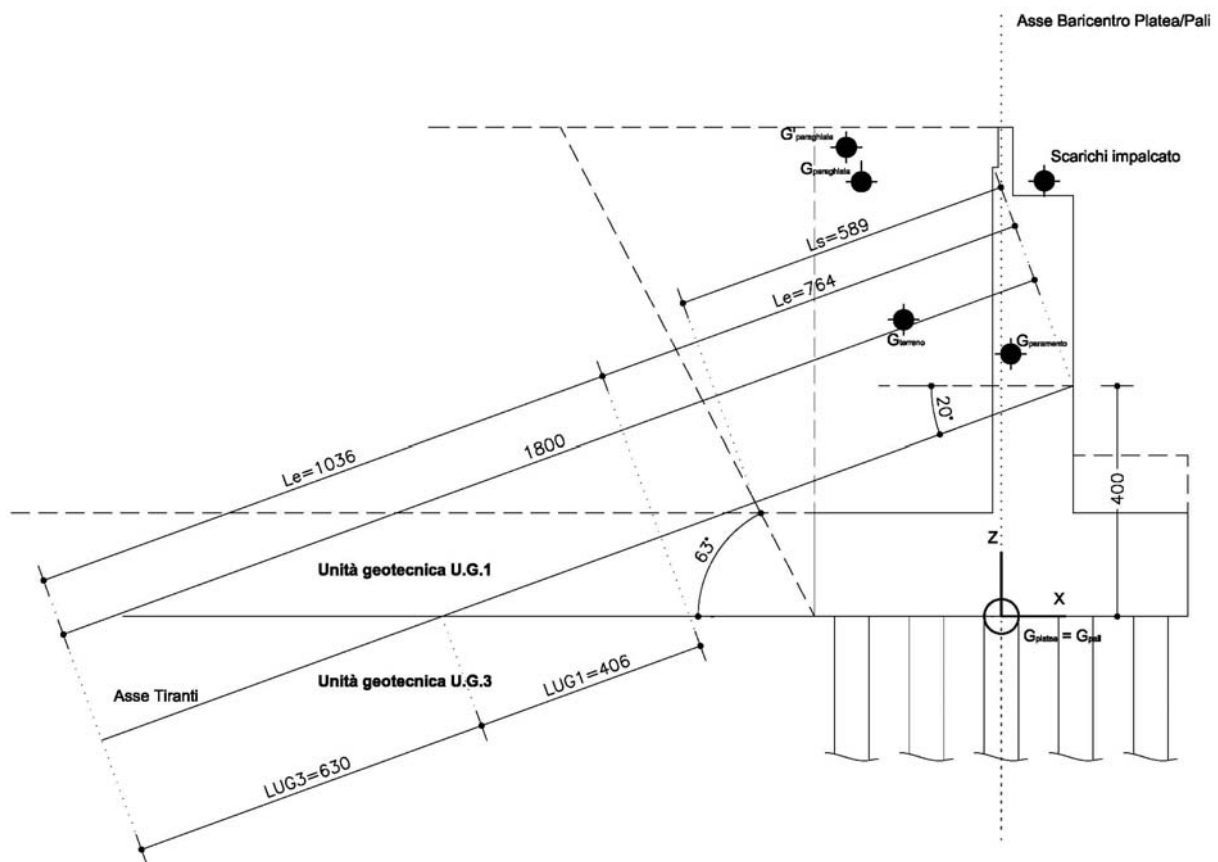


Figura 16 – Geometria dei tiranti

Di seguito si riportano la verifica allo sfilamento dell'ancoraggio e quella di resistenza a trazione del tratto libero.

Verifica allo sfilamento dell'ancoraggio

La resistenza di progetto allo sfilamento, calcolata analiticamente con il metodo di Bustamante e Doix, è pari a:

$$R_d = \pi d_b [(L_{b,UG1} S_{UG1} \alpha_{b,UG1}) + (L_{b,UG3} S_{UG3} \alpha_{b,UG3})] / ((\xi_{a3} \gamma_{R3})) = 1791.93 \text{ kN}$$

dove

$$L_{b,UG1} = 4.06 \text{ m}$$

$$S_{UG1} = 0.15 \text{ MPa}$$

$$\alpha_{b,UG1} = 1.4$$

$$L_{b,UG3} = 6.30 \text{ m}$$

$$S_{UG3} = 0.35 \text{ MPa}$$

$$\alpha_{b,UG1} = 1.6$$

$$d_b = 0.25 \text{ m}$$

$$\xi_{a3} = 1.60$$

$$\gamma_{R3} = 1.20$$

Poichè lo sforzo sollecitante sul singolo tirante N_{tir} è pari a

$$N_{tir} = (V_{sdp,tir} / n_{tir}) / \cos 20^\circ = (13841.9 / 10) / 0.940 \text{ kN} = 1473.0 \text{ kN}$$

La verifica risulta soddisfatta.

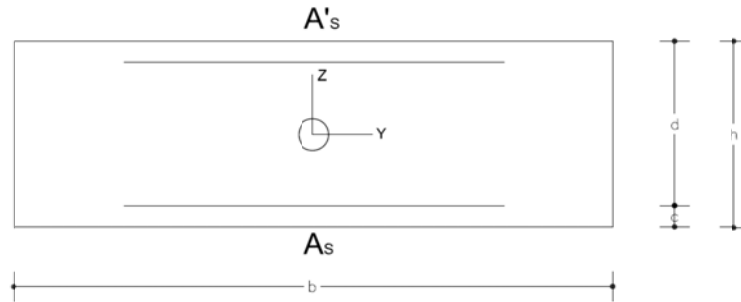
Verifica di resistenza del tratto libero

| f_{yk} Mpa | γ_s - | f_{yd} Mpa | A mm ² | N_{Rd} kN |
|-----------------|-----------------|-----------------|------------------------|----------------|
| 355 | 1.05 | 338.10 | 6120 | 2069.14 |

La verifica risulta soddisfatta.

9.3.7 Verifiche del nuovo muro di risvolto (STR)

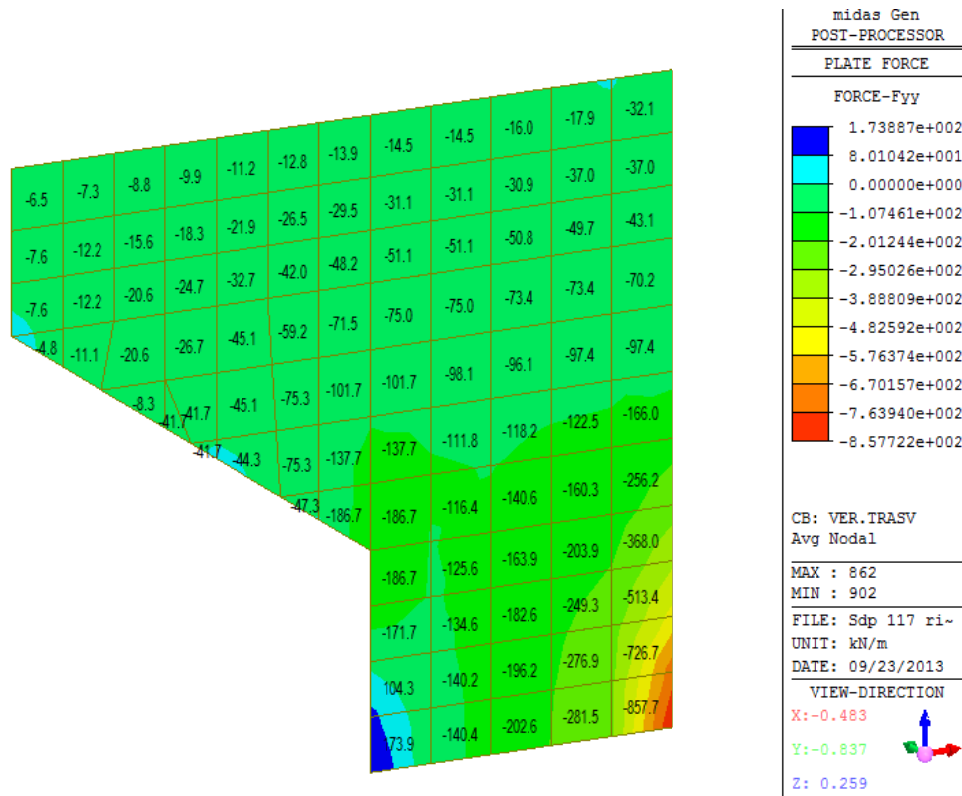
Le caratteristiche geometriche, le armature delle sezioni e le azioni sollecitanti e resistenti di progetto sono riferite all'immagine di seguito riportata.

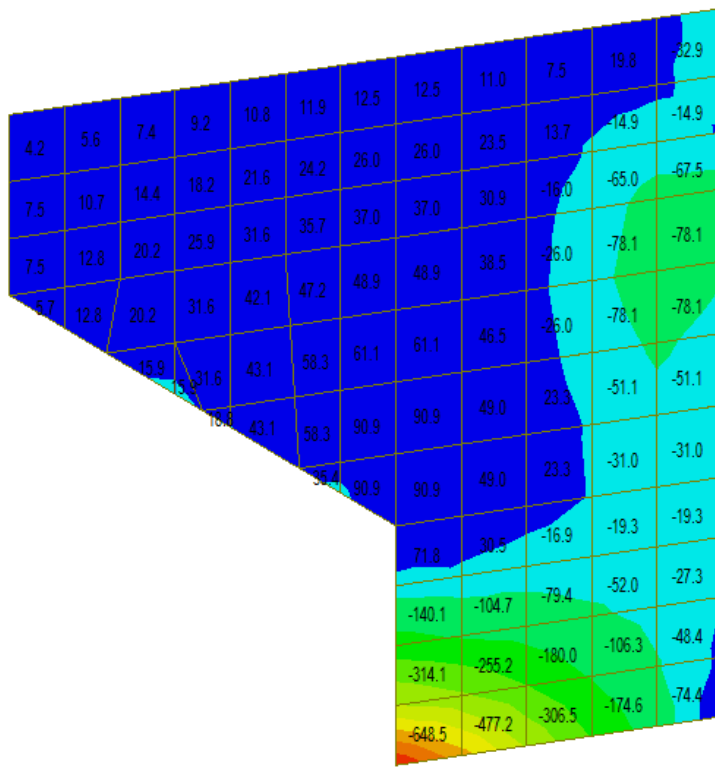


I muri andatori sono stati verificati rispetto alle spinte del terreno a tergo della spalla e dalle forze d'inerzia in condizioni sismiche.

| b [m] | h [m] | c = c' [m] | A_s | A'_s |
|--------------|--------------|-------------------|----------------------|-----------------------|
| 1.00 | 1.00 | 0.04 | Φ20/25 + Φ20/50 | Φ16/25 |

Le figure che seguono mostrano le caratteristiche della sollecitazione dei nuovi muri andatori.





midas Gen
POST-PROCESSOR

PLATE FORCE

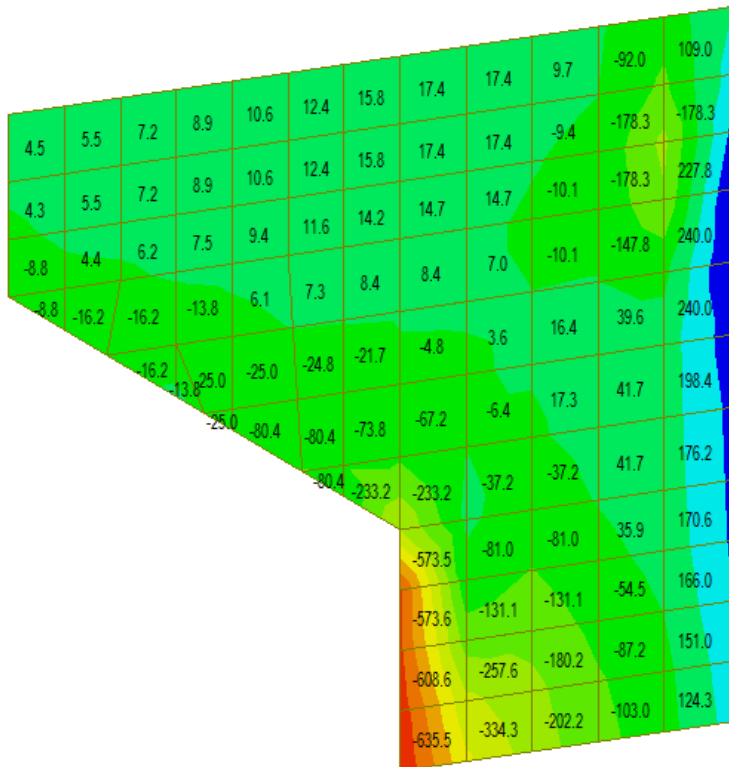
MOMENT-Myy

CB: VER.TRASV
Avg Nodal

MAX : 863
MIN : 862

FILE: Sdp 117 ri~
UNIT: kN*m/m
DATE: 09/23/2013

VIEW-DIRECTION
X: -0.483
Y: -0.837
Z: 0.259



midas Gen
POST-PROCESSOR

PLATE FORCE

SHEAR-Vyy

CB: VER.TRASV
Avg Nodal

MAX : 943
MIN : 862

FILE: Sdp 117 ri~
UNIT: kN/m
DATE: 09/23/2013

VIEW-DIRECTION
X: -0.483
Y: -0.837
Z: 0.259

| Verifica a Pressoflessione | | | | |
|----------------------------|--------------------|-----------------|--------------------|-------------|
| N_{sd} [kN/m] | $M_{y,sd}$ [kNm/m] | N_{Rd} [kN/m] | $M_{y,Rd}$ [kNm/m] | FS |
| 140.4 | 477.2 | 232.3 | 789.5 | 1.65 |

Verifiche a taglio - D.M. 14-01-2008

Materiali

| Calcestruzzo | |
|----------------|------|
| R_{ck} [Mpa] | 40 |
| f_{ck} [Mpa] | 33.2 |
| f_{cd} [Mpa] | 18.8 |

| Acciaio | |
|----------------|-------|
| f_{yk} [Mpa] | 450 |
| f_{yd} [Mpa] | 391.3 |

| | |
|---------------|--------|
| k | 1.46 |
| v_{min} | 0.35 |
| ρ_l | 0.0020 |
| σ_{cp} | 0.1400 |

| | |
|-------------------|-------------|
| ν | 0.5 |
| $(\sigma_{cp})^*$ | 0.14 |
| α_c | 1.007441531 |
| ω_{sw} | 0.009 |
| $\cotg\theta$ | 7.250 |
| $\cotg\theta^*$ | 2.500 |

Geometria sezione

| | |
|----------|------|
| b [mm] | 1000 |
| h [mm] | 1000 |
| c [mm] | 40 |
| d [mm] | 960 |

Armatura longitudinale

| | |
|-------------------------|------|
| n° barre | 6 |
| diámetro | 20 |
| Area [mm ²] | 1884 |

Armatura trasversale

| | |
|-----------------------------|--------|
| Staffe Φ | 12 |
| n° bracci | 2 |
| A_{sw} [mm ²] | 226.08 |
| s [mm] | 500 |

Sollecitazioni di calcolo

| | |
|---------------|-------|
| N_{Ed} [kN] | 140 |
| V_{Ed} [kN] | 334.3 |

VERIFICA

Sezione non armata a taglio

| | |
|---------------|------------|
| V_{Rd} [kN] | 360.45 |
| | Verificato |

Sezione armata a taglio

Crisi armatura a taglio

| | |
|----------------|---------|
| V_{Rsd} [kN] | 382.17 |
| V_{Rcd} [kN] | 2823.39 |

| | |
|---------------|------------|
| V_{Rd} [kN] | 382.17 |
| | Verificato |

9.4 Verifica dei ritegni sismici

Al fine di prevenire la perdita di appoggio in direzione trasversale degli impalcati, dato che gli appoggi esistenti in neoprene non sono idonei ad assorbire le azioni sismiche, si è reso necessario predisporre tre ritegni per ogni spalla, di cui due disposti ai lati della stessa ed il restante tra i due impalcati. Essi sono costituiti da strutture metalliche fissate al paramento della spalla mediante appositi tasselli chimici. Il contrasto sui traversi degli impalcati avviene mediante appositi cuscinetti in neoprene. Per le azioni sismiche longitudinali, onde evitare il “martellamento” tra soletta e paraghiaia, viene predisposta un’apposita piastra rivestita in neoprene tra la testata dell’impalcato e la base del muro paraghiaia.

Il paragrafo 7.9.5.4.3 - *NTC* considera come azione di progetto per i ritegni sismici il valore $\alpha \cdot Q$, in cui:

$\alpha = 1.5 \cdot S \cdot a_g / g$ è l’accelerazione normalizzata di progetto, pari a 0.296;

Q è il peso della parte di impalcato collegato, pari a 2794 kN per l’impalcato che si percorre in direzione Torino (carreggiata di discesa) e 3174 kN per l’altro (carreggiata di salita).

L’azione di progetto per ciascun ritegno vale pertanto:

827.7 kN – Impalcato direzione Torino (carreggiata di discesa);

940.3 kN – Impalcato direzione Bardonecchia (carreggiata di salita).

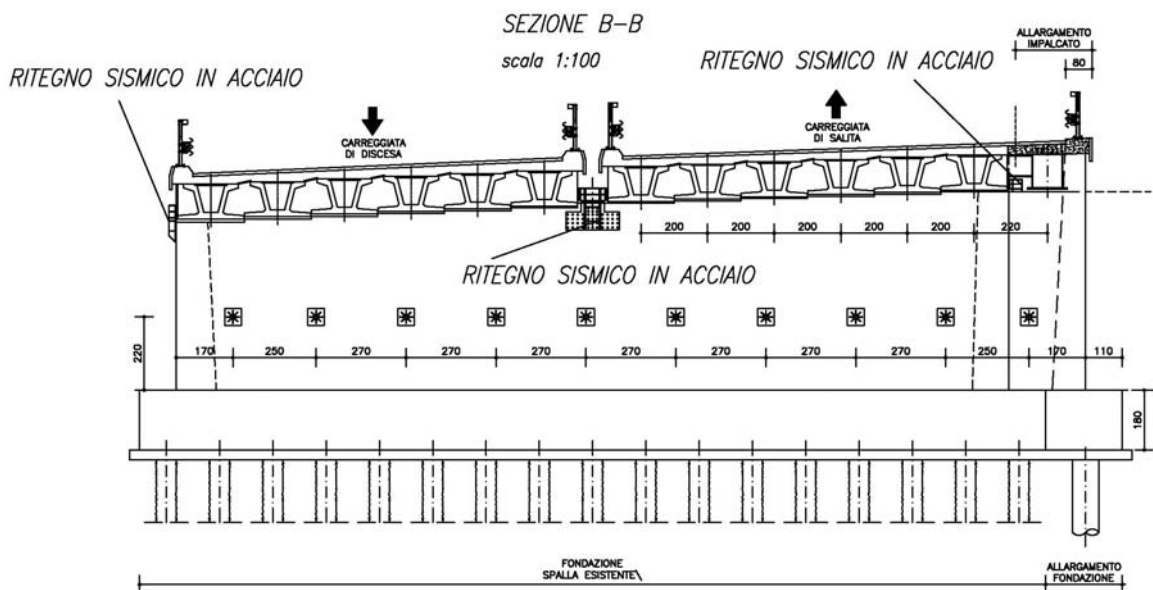


Figura 17 – Posizionamento dei ritegni sismici sulle spalle

I profilati metallici costituenti i ritegni e gli elementi di collegamento alla struttura esistente (tasselli), andranno dimensionati nel rispetto delle azioni sopra calcolate.

9.5 Verifiche dell'impalcato

9.5.1 Premessa

Si è previsto che il prolungamento dell'impalcato nello stato di progetto venga realizzato con travi in acciaio e soletta collaborante in c.a. solidale con l'esistente al fine di evitare giunti longitudinali sulla carreggiata. La scelta dell'acciaio è dovuta al fatto che l'eventuale utilizzo di nuove travi in c.a.p., collegate alle esistenti attraverso la soletta, comporterebbe un trasferimento di sollecitazione per effetto del ritiro e del fluage del calcestruzzo tra le nuove e le vecchie travi dannoso per entrambe le strutture precomprese, la cui entità, inoltre, sarebbe di dubbia determinazione.

9.5.2 Confronto tra le caratteristiche della sollecitazione

Al fine di evidenziare come il prolungamento dell'impalcato non ha comportato un aggravio di sollecitazioni sulle travi in c.a.p. costituenti l'impalcato esistente, ma anzi una riduzione, si riportano i diagrammi delle azioni flettenti e taglianti agenti su di esse nello stato di fatto e nello stato di progetto ed una tabella di confronto riassuntiva dei dati.

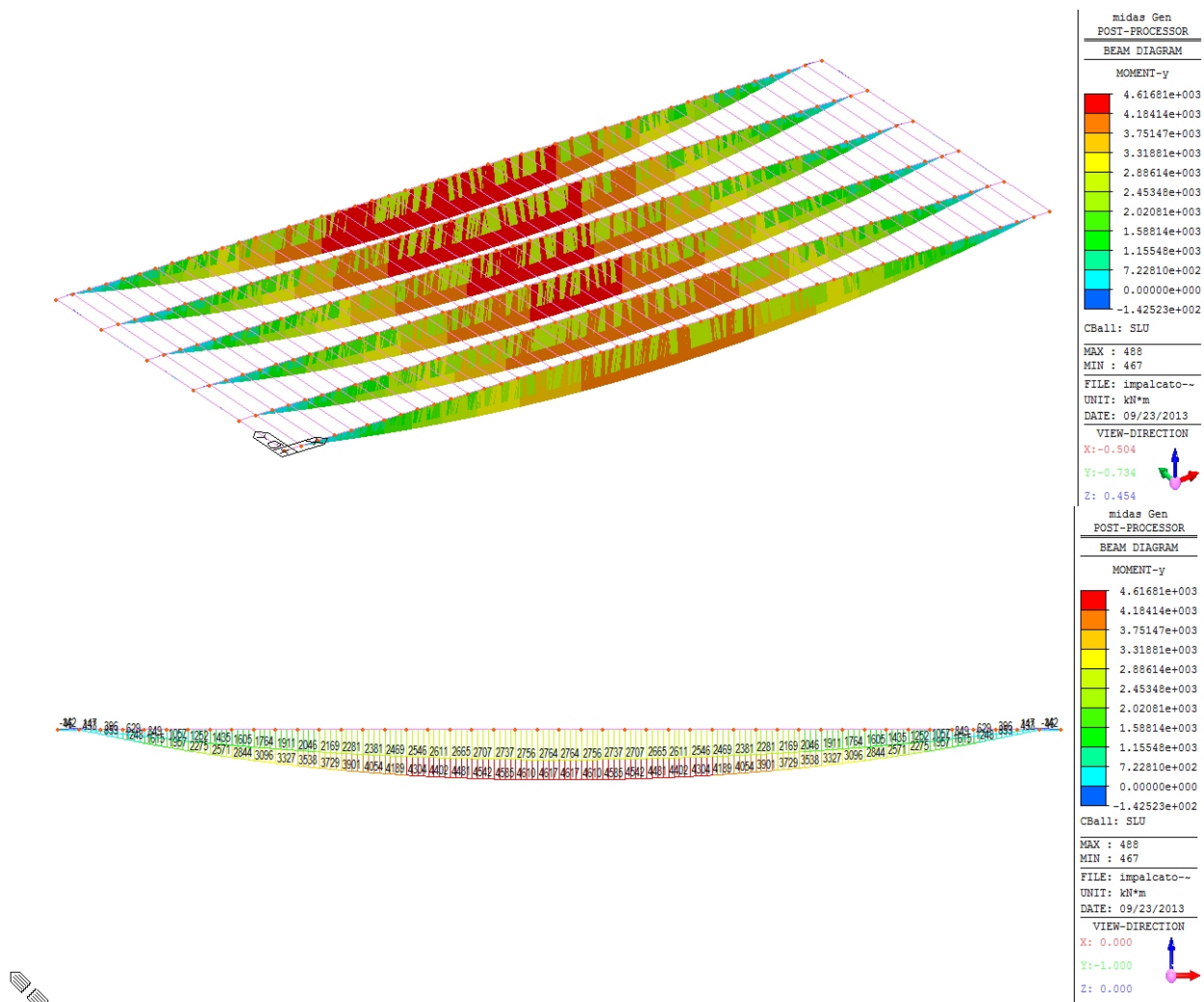


Figura 18 – Momento flettente (SLU) sulle travi esistenti in c.a.p nello stato di fatto

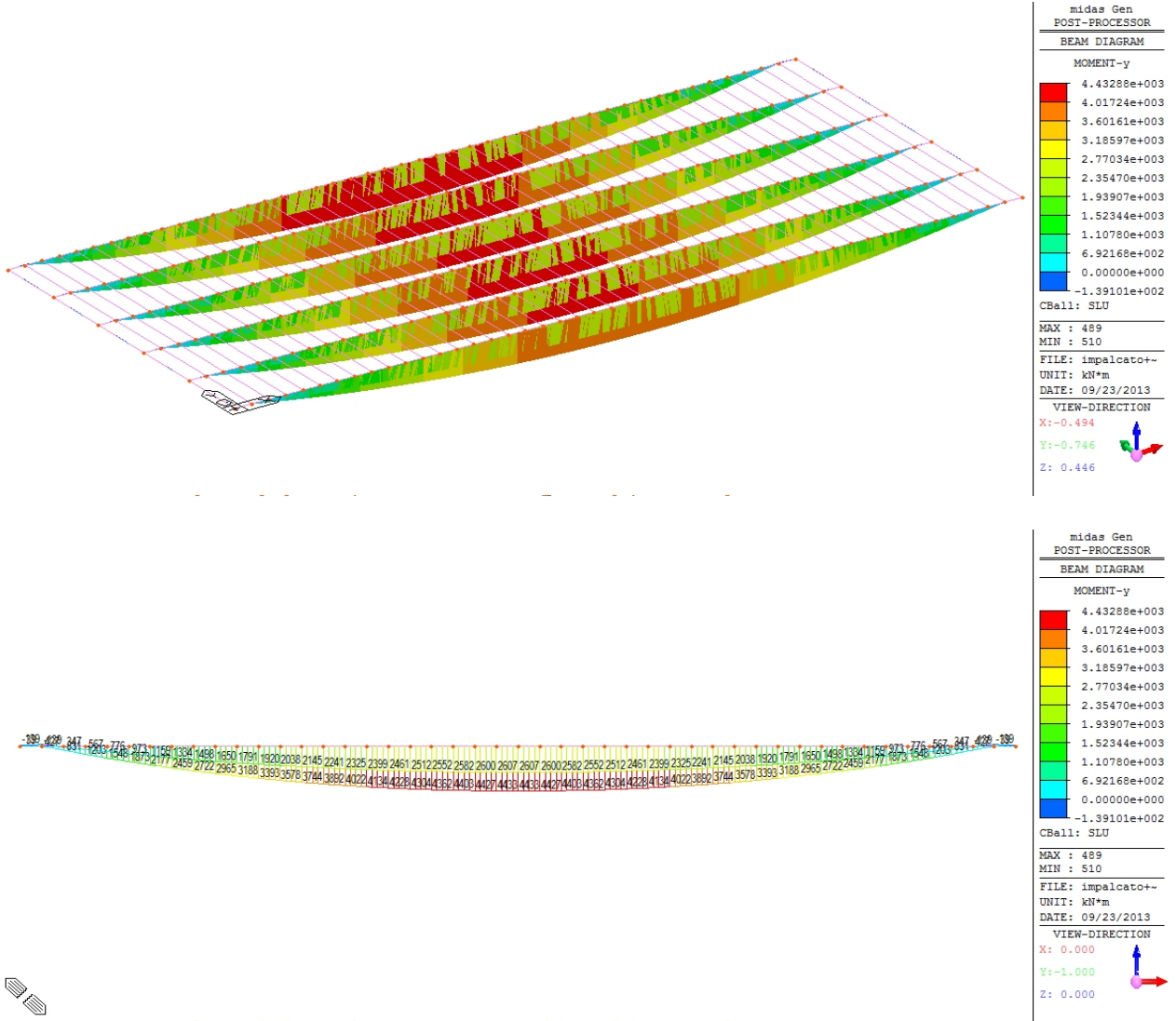


Figura 19 – Momento flettente (SLU) sulle travi esistenti in c.a.p nello stato di progetto

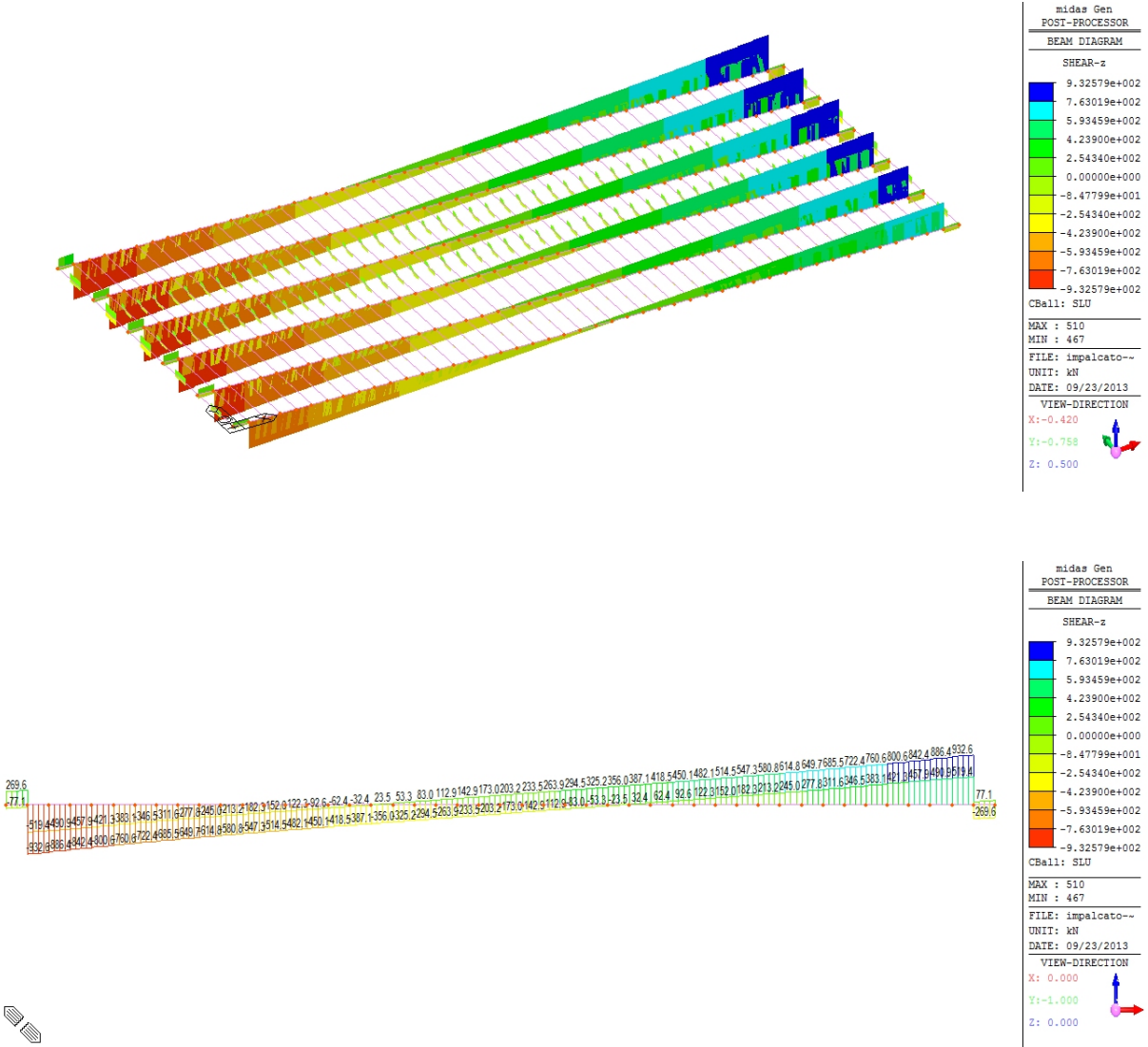


Figura 20 – Taglio (SLU) sulle travi esistenti in c.a.p nello stato di fatto

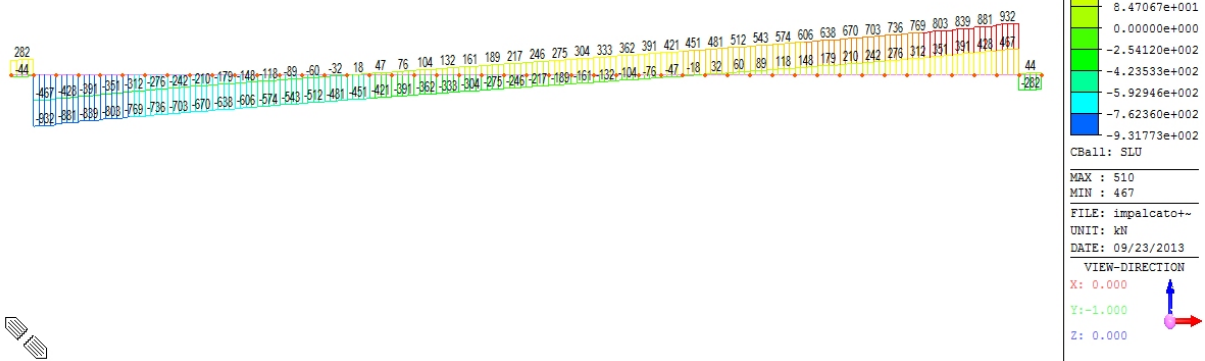
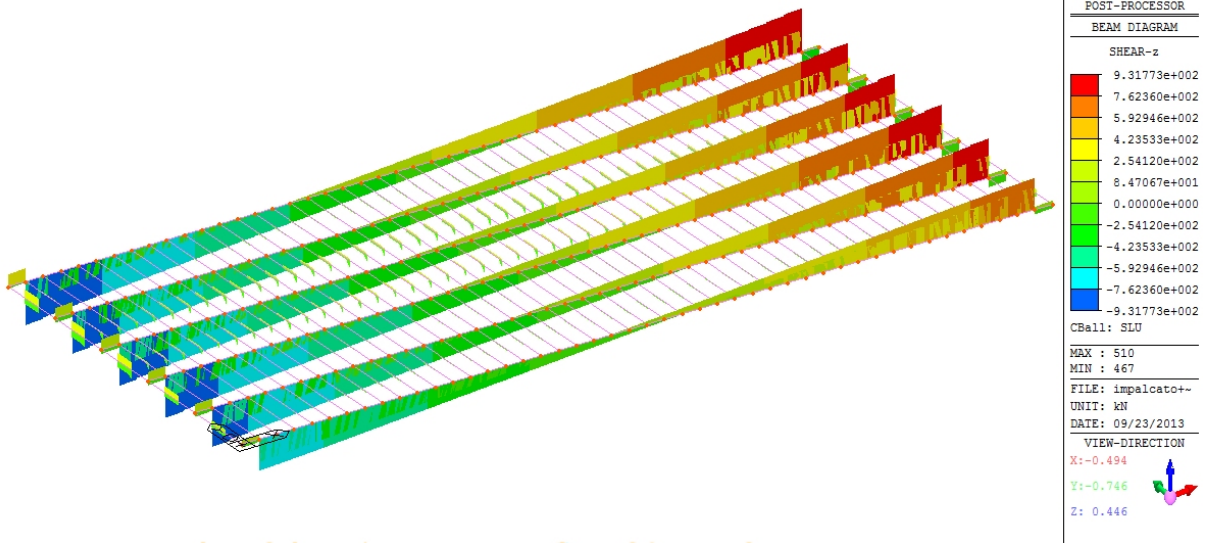


Figura 21 – Taglio (SLU) sulle travi esistenti in c.a.p nello stato di progetto

| | Msd [kN] | Vsd [kN] |
|-------------------|----------|----------|
| STATO DI FATTO | 4619.0 | 932.6 |
| STATO DI PROGETTO | 4433.0 | 931.8 |

Tabella 9 – Confronto tra le sollecitazioni di taglio e momento flettente agenti sulle travi in c.a.p esistenti nello stato di fatto e di progetto

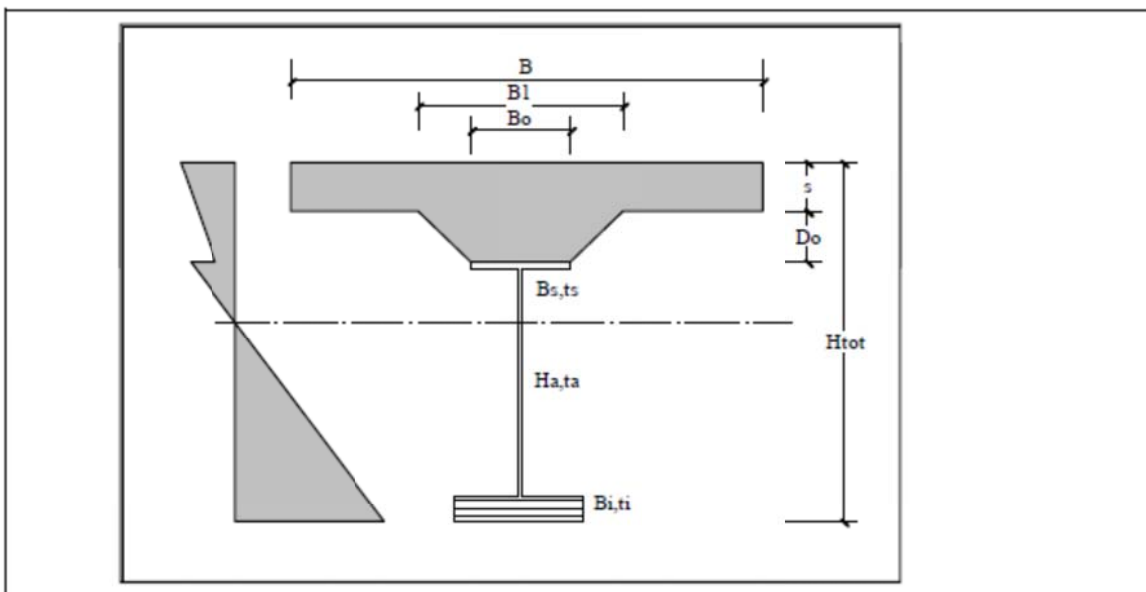
9.5.3 Verifica della sezione mista acciaio - calcestruzzo

Per le caratteristiche della sollecitazione dovute ai pesi propri strutturali della nuova porzione di impalcato è stato considerato lo schema statico di trave in semplice appoggio, ipotizzando che il carico gravi totalmente sulla nuova trave in acciaio. Per i carichi permanenti portati e per i carichi mobili, invece, le caratteristiche della sollecitazione sono state desunte dal modello FEM realizzato con l'impalcato completo nella configurazione di progetto.

Si riportano le verifiche (SLU Metodo Elastico) delle sezioni maggiormente sollecitate a flessione (mezzeria) e taglio (appoggi).

Si evidenzia che le verifiche strutturali della nuova trave risultano abbondantemente soddisfatte, in quanto il suo dimensionamento è stato dettato non da esigenze di resistenza, ma per avere rigidzze flessionali e torsionali paragonabili a quelle delle travi in c.a.p. esistenti.

| VERIFICA SEZIONE MISTA ACCIAIO-CALCESTRUZZO | | | |
|--|---------------|-------------------------------------|------------------|
| DESCRIZIONE: | | <i>Allargamento - Sez. Mezzeria</i> | |
| DATI TRAVE METALLICA: | | | |
| | Tipo HSD 1500 | | |
| Piattabanda superiore | $B_s =$ | 1000 mm | $t_s =$ 15 mm |
| Anima | $t_a =$ | 40 mm | $H_a =$ 995 mm |
| Piattabanda inferiore | $B_{i1} =$ | 1200 mm | $t_{i1} =$ 40 mm |
| piatti aggiunti: | $B_{i2} =$ | | $t_{i2} =$ |
| | $B_{i3} =$ | | $t_{i3} =$ |
| | $B_{i4} =$ | | $t_{i4} =$ |
| | $B_{i5} =$ | | $t_{i5} =$ |
| ALTEZZA COMPLESSIVA DELLA TRAVE METALLICA | | | $H_2 =$ 1050 mm |
| CARATTERISTICHE STATICHE SEZ. METALLICA | | | |
| AREA | $A_a =$ | 1028.00 cm ² | |
| MOM. STATICO INF. | $S_i =$ | 37990.00 cm ³ | |
| ORDINATA BARICENTRO | $Y_a =$ | 36.96 cm | |
| INERZIA ASSE BARIC. x-x | $J_{xx} =$ | 1,707,073 cm ⁴ | |
| INERZIA ASSE BARIC. y-y | $J_{yy} =$ | 701,531 cm ⁴ | |
| INERZIA TORSIONALE | $J_{zz} =$ | 2,649 cm ⁴ | |
| MODULO RES. SUP. | $W_s =$ | 25,088 cm ³ | |
| MODULO RES. INF. | $W_i =$ | 46,193 cm ³ | |
| DATI SOLETTA IN C.A. | | | |
| SPESSORE SOLETTA | $s =$ | 22.00 cm | |
| ALTEZZA RACCORDO | $D_o =$ | 0.00 cm | |
| BASE INFERIORE RACCORDO | $B_1 =$ | 0.00 cm | |
| BASE SUPERIORE RACCORDO | $B_o =$ | 0.00 cm | OK |
| ARM. METALLICA SUPERIORE | $A_f =$ | | cmq/m |
| COPRIFERRO | $c =$ | -4.00 cm | |
| CALCOLO LARGHEZZA COLLABORANTE | | | |
| LUCE DELLA TRAVE | $L =$ | 22.00 m | |
| INTERASSE TRAVI | $i =$ | 2.30 m | |
| | | $B = B_o + 10 * s = 220.00$ cm | |
| | | $B = B_o + L / 5 = 440.00$ cm | |
| LARGH. SOLETTA COLLAB. | $B =$ | 230 cm | |



DATI SULLA SEZIONE MISTA ACCIAIO-CALCESTRUZZO

ALTEZZA COMPLESSIVA DELLA SEZIONE:
CLASSE DEL CALCESTRUZZO
COEFF. DI MATURAZ.

H= 127.00 cm
R'cK= 450 Kg/cm²
cf∞= 2

| | BREVE DURATA | LUNGA DURATA |
|---------------------------|-------------------------------|-------------------------------|
| COEFFIC. DI OMOGENEIZZ. | n= 6.00 | n= 18.00 |
| AREA SEZ. OMOGENEA | A= 1871.33 cm ² | A= 1309.11 cm ² |
| MOM. STATICO INFERIORE | Si= 135816.67 cm ³ | Si= 70598.89 cm ³ |
| BARICENTRO SEZ OMOGENEA | Y= 72.58 cm | Y= 53.93 cm |
| MOM. STATICO SOLETTA | S= 219717.93 cm ³ | S= 314079.89 cm ³ |
| INERZIA BARIC. SEZ. OMOG. | J= 4635678.38 cm ⁴ | J= 3097653.30 cm ⁴ |

MODULI DI RESISTENZA DELLA SEZIONE MISTA:

| | BREVE DURATA | LUNGA DURATA |
|-------------------------|---------------------------------|--------------------------------|
| BORDO SUPERIORE SOLETTA | Wc,s= 85179.42 cm ³ | Wc,s= 42392.30 cm ³ |
| BORDO INFERIORE SOLETTA | Wc,i= 142977.14 cm ³ | Wc,i= 60653.71 cm ³ |
| ATTACCO ACCIAIO-CLS | Wc,a= 142977.14 cm ³ | Wc,a= 60653.71 cm ³ |
| PIATTABANDA SUPERIORE | Wa,s= 142977.14 cm ³ | Wa,s= 60653.71 cm ³ |
| PIATTABANDA INFERIORE | Wa,i= 63872.13 cm ³ | Wa,i= 57439.61 cm ³ |

VERIFICA IN MEZZERIA

| VERIFICHE DELLA SEZIONE: | | | | |
|--|-------------------------------|---------|------------|----------------------------|
| SOLLECITAZIONI AGENTI | | | | |
| 1ª FASE : | MOMENTO | M= | 184,892 | Kgm |
| | TAGLIO | T= | 0 | Kg |
| peso proprio | | | | |
| 2ª FASE : | MOMENTO | M= | 67,404 | Kgm |
| | iniziali TAGLIO | T= | 0 | Kg |
| | ----- | | | |
| | finali TAGLIO | T= | 0 | Kg |
| pesi permanenti | | | | |
| 3ª FASE : | MOMENTO | M= | 214,560 | Kgm |
| | TAGLIO | T= | 19,713 | Kg |
| accidentali | | | | |
| 1ª FASE : I carichi permanenti sono supportati dalla sola sezione in acciaio | | | | |
| Tensioni normali: | piattabanda superiore | | $\sigma =$ | -736.99 Kg/cm ² |
| | piattabanda inferiore | | $\sigma =$ | 400.26 Kg/cm ² |
| Tensioni tangenziale max | | | $\tau =$ | 0.00 Kg/cm ² |
| 2ª FASE : Il calcestruzzo ha fatto presa; la sezione reagente é quella mista sottoposte alle sollecitazioni derivanti dai carichi di 2ª fase | | | | |
| - tensioni iniziali | | | | |
| Tensioni normali: | piattabanda superiore | | $\sigma =$ | -47.14 Kg/cm ² |
| | piattabanda inferiore | | $\sigma =$ | 105.53 Kg/cm ² |
| | bordo sup. soletta | | $\sigma =$ | -13.19 Kg/cm ² |
| | bordo inf soletta | | $\sigma =$ | -7.86 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | $\sigma =$ | -7.86 Kg/cm ² |
| Tensioni tangenziale max | | cls | $\tau =$ | 0.000 Kg/cm ² |
| | | acciaio | $\tau =$ | 0.00 Kg/cm ² |
| - tensioni finali | | | | |
| Tensioni normali: | piattabanda superiore | | $\sigma =$ | -111.13 Kg/cm ² |
| | piattabanda inferiore | | $\sigma =$ | 117.35 Kg/cm ² |
| | bordo sup. soletta | | $\sigma =$ | -8.83 Kg/cm ² |
| | bordo inf soletta | | $\sigma =$ | -6.17 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | $\sigma =$ | -6.17 Kg/cm ² |
| Tensioni tangenziale max | | cls | $\tau =$ | 0.000 Kg/cm ² |
| | | acciaio | $\tau =$ | 0.00 Kg/cm ² |
| 3ª FASE : Fase di esercizio; i sovraccarichi agiscono sulla sezione composta acciaio-clc ed hanno carattere di breve durata. | | | | |
| Tensioni normali: | piattabanda superiore | | $\sigma =$ | -150.07 Kg/cm ² |
| | piattabanda inferiore | | $\sigma =$ | 335.92 Kg/cm ² |
| | bordo sup. soletta | | $\sigma =$ | -41.98 Kg/cm ² |
| | bordo inf soletta | | $\sigma =$ | -25.01 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | $\sigma =$ | -25.01 Kg/cm ² |
| Tensioni tangenziale max | | cls | $\tau =$ | 0.677 Kg/cm ² |
| | | acciaio | $\tau =$ | 46.02 Kg/cm ² |
| TENSIONI COMPLESSIVE: | | | | |
| Tensioni normali: | piattabanda superiore | | $\sigma =$ | -998.18 Kg/cm ² |
| | piattabanda inferiore | | $\sigma =$ | 853.53 Kg/cm ² |
| | bordo sup. soletta | | $\sigma =$ | -50.82 Kg/cm ² |
| | bordo inf soletta | | $\sigma =$ | -31.18 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | $\sigma =$ | -31.18 Kg/cm ² |
| Tensioni tangenziale max | | cls | $\tau =$ | 0.677 Kg/cm ² |
| | | acciaio | $\tau =$ | 46.02 Kg/cm ² |

La tensione ideale vale quindi $100.1 \text{ MPa} < 355/1.05 = 338.1 \text{ MPa}$

VERIFICA ALL'APPOGGIO

| VERIFICHE DELLA SEZIONE: | | | | |
|--|-------------------------------|---------|--------|---------------------------|
| SOLLECITAZIONI AGENTI | | | | |
| 1ª FASE : | MOMENTO | M: | 0 | Kgm |
| | TAGLIO | T: | 33,619 | Kg |
| peso proprio | | | | |
| 2ª FASE : | MOMENTO | M: | | Kgm |
| | iniziali TAGLIO | T: | 13,616 | Kg |
| | MOMENTO | M: | | Kgm |
| | finali TAGLIO | T: | 13,616 | Kg |
| pesi permanenti | | | | |
| 3ª FASE : | MOMENTO | M: | | Kgm |
| | TAGLIO | T: | 49,658 | Kg |
| accidentali | | | | |
| 1ª FASE : I carichi permanenti sono supportati dalla sola sezione in acciaio | | | | |
| Tensioni normali: | piattabanda superiore | | σ= | 0.00 Kg/cm ² |
| | piattabanda inferiore | | σ= | 0.00 Kg/cm ² |
| Tensioni tangenziale max | | | τ= | 84.47 Kg/cm ² |
| 2ª FASE : Il calcestruzzo ha fatto presa; la sezione reagente è quella mista sottoposta alle sollecitazioni derivanti dai carichi di 2ª fase | | | | |
| - tensioni iniziali | | | | |
| Tensioni normali: | piattabanda superiore | | σ= | 0.00 Kg/cm ² |
| | piattabanda inferiore | | σ= | 0.00 Kg/cm ² |
| | bordo sup. soletta | | σ= | 0.00 Kg/cm ² |
| | bordo inf soletta | | σ= | 0.00 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | σ= | 0.00 Kg/cm ² |
| Tensioni tangenziale max | | clc | τ= | 0.468 Kg/cm ² |
| | | acciaio | τ= | 31.78 Kg/cm ² |
| - tensioni finali | | | | |
| Tensioni normali: | piattabanda superiore | | σ= | 0.00 Kg/cm ² |
| | piattabanda inferiore | | σ= | 0.00 Kg/cm ² |
| | bordo sup. soletta | | σ= | 0.00 Kg/cm ² |
| | bordo inf soletta | | σ= | 0.00 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | σ= | 0.00 Kg/cm ² |
| Tensioni tangenziale max | | clc | τ= | 0.887 Kg/cm ² |
| | | acciaio | τ= | 32.87 Kg/cm ² |
| 3ª FASE : Fase di esercizio; i sovraccarichi agiscono sulla sezione composta acciaio-clc ed hanno carattere di breve durata. | | | | |
| Tensioni normali: | piattabanda superiore | | σ= | 0.00 Kg/cm ² |
| | piattabanda inferiore | | σ= | 0.00 Kg/cm ² |
| | bordo sup. soletta | | σ= | 0.00 Kg/cm ² |
| | bordo inf soletta | | σ= | 0.00 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | σ= | 0.00 Kg/cm ² |
| Tensioni tangenziale max | | clc | τ= | 1706 Kg/cm ² |
| | | acciaio | τ= | 115.91 Kg/cm ² |
| TENSIONI COMPLESSIVE: | | | | |
| Tensioni normali: | piattabanda superiore | | σ= | 0.00 Kg/cm ² |
| | piattabanda inferiore | | σ= | 0.00 Kg/cm ² |
| | bordo sup. soletta | | σ= | 0.00 Kg/cm ² |
| | bordo inf soletta | | σ= | 0.00 Kg/cm ² |
| | sezione d'attacco acciaio-clc | | σ= | 0.00 Kg/cm ² |
| Tensioni tangenziale max | | clc | τ= | 2.592 Kg/cm ² |
| | | acciaio | τ= | 233.25 Kg/cm ² |

In corrispondenza degli appoggi agisce anche un'azione torcente di 229.56 kNm, che genera sulle anime una tensione tangenziale, calcolata mediante la formula di Bredt per le sezioni connesse, di 6.24.MPa.

La tensione ideale vale quindi $[3*(22.87 + 6.24)^2]^{0.5}$ MPa = 50.41 < 355/1.05 = 338.1 MPa

10. Tabulati di input – Stato di Fatto Impalcato

*** PROJECT INFORMATION

Project Name :
Date : 2013/9/25

*** CONTROL DATA

Panel Zone Effect : Do not Calculate
Unit System : KN, M
Definition of Frame
- X Direction of Frame : Unbraced I Sway
- Y Direction of Frame : Unbraced I Sway
- Design Type : 3-D
Design Code
- Steel : Eurocode3:05
- Concrete : Eurocode2:04
- SRC : SSRC79

*** LOAD CASE DATA

| NO | NAME | TYPE | SELF WEIGHT FACTOR | | | DESCRIPTION |
|----|------|------|--------------------|-------|--------|-------------|
| | | | X | Y | Z | |
| 1 | pp | D | 0.000 | 0.000 | -1.000 | |
| 2 | perm | D | 0.000 | 0.000 | 0.000 | |
| 3 | acc | L | 0.000 | 0.000 | 0.000 | |

*** MATERIAL PROPERTY DATA

| NO | NAME | TYPE | MODULUS OF ELASTICITY | | SHEAR MODULUS | THERMAL COEFF. | POISSON RATIO | WEIGHT DENSITY |
|----|----------|-------|-----------------------|------------|---------------|----------------|---------------|----------------|
| | | | STEEL | CONCRETE | | | | |
| 1 | C45/55 | CONC | 3.568e+007 | 1.487e+007 | 1e-005 | 0.2 | 23.54 | |
| 2 | Rck35 p0 | CONC | 3.231e+007 | 1.346e+007 | 1e-005 | 0.2 | 0 | |
| 3 | S355 | STEEL | 2.1e+008 | 8.077e+007 | 1.2e-005 | 0.3 | 76.98 | |

| NO | NAME | TYPE | STRENGTH OF DESIGN MATERIAL | | | |
|----|----------|-------|-----------------------------|----------|------------|-----------|
| | | | STEEL | CONCRETE | MAIN REBAR | SUB REBAR |
| 1 | C45/55 | CONC | - | 4.5e+004 | 4e+005 | 4e+005 |
| 2 | Rck35 p0 | CONC | - | 0 | 4e+005 | 4e+005 |
| 3 | S355 | STEEL | 3.55e+005 | - | - | - |

*** SUPPORT / SPECIFIED DISPLACEMENT / POINT SPRING SUPPORT

** SUPPORT / SPECIFIED DISPLACEMENT

| NODE | SUPPORT DDDRRR | SPECIFIED DISPLACEMENT | | | | | |
|------|----------------|------------------------|--------|--------|--------|--------|--------|
| | | Dx | Dy | Dz | Rx | Ry | Rz |
| 2 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 49 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 93 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 96 | 111000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 140 | 011000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 143 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 187 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 190 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 234 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 237 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 281 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

*** SECTION PROPERTY DATA

| NO | NAME | SHAPE | H | B | tw | tf1 | r1 |
|----|------------|-------|------|-----|-------|------|----|
| | | | | | | | |
| 2 | trave | B | 1.05 | 1.2 | 0.01 | 0.01 | 0 |
| 3 | soletta | SB | 0.22 | 0.5 | 0 | 0 | 0 |
| 4 | traverso ~ | SB | 1.27 | 0.4 | 0 | 0 | 0 |
| 5 | traverso | C | 0.6 | 0.2 | 0.015 | 0.02 | 0 |
| 6 | traverso | C | 0.6 | 0.2 | 0.015 | 0.02 | 0 |
| 10 | scat | B | 1.14 | 1.2 | 0.02 | 0.08 | 0 |

| NO | NAME | STIFFNESS SCALE FACTOR | | | | | | Boundary Group |
|----|------------|------------------------|-----|-----|----|----|----|----------------|
| | | A | Asy | Asz | Ix | Iy | Iz | |
| 1 | cap | | | | | | | |
| 2 | trave | | | | | | | |
| 3 | soletta | | | | | | | |
| 4 | traverso ~ | | | | | | | |
| 5 | traverso | | | | | | | |
| 6 | traverso | | | | | | | |
| 10 | scat | | | | | | | |

| NO | NAME | AREA [SRC:EQIV.] | MOMENT OF INERTIA | | SHAPE FACTOR k-Y | k-Z |
|----|------|------------------|-------------------|----|------------------|-----|
| | | | Ix | Iy | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|----|------------|--------|------------|-----------|------------|--------|--------|
| 1 | cap | 1.083 | 0.1672 | 0.2374 | 0.3096 | 0.5832 | 0.2977 |
| 2 | trave | 0.08 | 0.00207 | 0.01325 | 0.007813 | 0.75 | 0.2625 |
| 3 | soletta | 0.11 | 0.001284 | 0.0004437 | 0.002292 | 0.8333 | 0.8333 |
| 4 | traverso ~ | 0.508 | 0.02172 | 0.06828 | 0.006773 | 0.8333 | 0.8333 |
| 5 | traverso | 0.0164 | 1.679e-006 | 0.0008926 | 6.188e-005 | 0.4065 | 0.5488 |
| 6 | traverso | 0.0164 | 1.679e-006 | 0.0008926 | 6.188e-005 | 0.4065 | 0.5488 |
| 10 | scat | 0.1848 | 0.02666 | 0.04207 | 0.02554 | 0.7792 | 0.2468 |

| NO | NAME | SECTION MODULUS Sy | | SECTION MODULUS Sz | |
|----|------------|--------------------|------------|--------------------|------------|
| | | I or CONC. | J or STEEL | I or CONC. | J or STEEL |
| 2 | trave | 0.01775 | 0.01775 | 0.01302 | 0.01302 |
| 3 | soletta | 0.004033 | 0.004033 | 0.009167 | 0.009167 |
| 4 | traverso ~ | 0.1075 | 0.1075 | 0.03387 | 0.03387 |
| 5 | traverso | 0.002975 | 0.002975 | 0.0004199 | 0.0004199 |
| 6 | traverso | 0.002975 | 0.002975 | 0.0004199 | 0.0004199 |
| 10 | scat | 0.06026 | 0.06026 | 0.04257 | 0.04257 |

*** BEAM MEMBER DATA

| NO | NODAL | CONNECTIVITY | BEAM END RELEASE | | MATERIAL | SECTION | LENGTH |
|----|-------|--------------|------------------|---|----------|--------------|--------|
| | | | I | J | | | |
| 1 | 1 | 2 | - | - | C45/55 | cap | 0.5 |
| 2 | 2 | 3 | - | - | C45/55 | cap | 0.5 |
| 3 | 3 | 4 | - | - | C45/55 | cap | 0.5 |
| 4 | 4 | 5 | - | - | C45/55 | cap | 0.5 |
| 5 | 5 | 6 | - | - | C45/55 | cap | 0.5 |
| 6 | 6 | 7 | - | - | C45/55 | cap | 0.5 |
| 7 | 7 | 8 | - | - | C45/55 | cap | 0.5 |
| 8 | 8 | 9 | - | - | C45/55 | cap | 0.5 |
| 9 | 9 | 10 | - | - | C45/55 | cap | 0.5 |
| 10 | 10 | 11 | - | - | C45/55 | cap | 0.5 |
| 11 | 11 | 12 | - | - | C45/55 | cap | 0.5 |
| 12 | 12 | 13 | - | - | C45/55 | cap | 0.5 |
| 13 | 13 | 14 | - | - | C45/55 | cap | 0.5 |
| 14 | 14 | 15 | - | - | C45/55 | cap | 0.5 |
| 15 | 15 | 16 | - | - | C45/55 | cap | 0.5 |
| 16 | 16 | 17 | - | - | C45/55 | cap | 0.5 |
| 17 | 17 | 18 | - | - | C45/55 | cap | 0.5 |
| 18 | 18 | 19 | - | - | C45/55 | cap | 0.5 |
| 19 | 19 | 20 | - | - | C45/55 | cap | 0.5 |
| 20 | 20 | 21 | - | - | C45/55 | cap | 0.5 |
| 21 | 21 | 22 | - | - | C45/55 | cap | 0.5 |
| 22 | 22 | 23 | - | - | C45/55 | cap | 0.5 |
| 23 | 23 | 24 | - | - | C45/55 | cap | 0.5 |
| 24 | 24 | 25 | - | - | C45/55 | cap | 0.5 |
| 25 | 25 | 26 | - | - | C45/55 | cap | 0.5 |
| 26 | 26 | 27 | - | - | C45/55 | cap | 0.5 |
| 27 | 27 | 28 | - | - | C45/55 | cap | 0.5 |
| 28 | 28 | 29 | - | - | C45/55 | cap | 0.5 |
| 29 | 29 | 30 | - | - | C45/55 | cap | 0.5 |
| 30 | 30 | 31 | - | - | C45/55 | cap | 0.5 |
| 31 | 31 | 32 | - | - | C45/55 | cap | 0.5 |
| 32 | 32 | 33 | - | - | C45/55 | cap | 0.5 |
| 33 | 33 | 34 | - | - | C45/55 | cap | 0.5 |
| 34 | 34 | 35 | - | - | C45/55 | cap | 0.5 |
| 35 | 35 | 36 | - | - | C45/55 | cap | 0.5 |
| 36 | 36 | 37 | - | - | C45/55 | cap | 0.5 |
| 37 | 37 | 38 | - | - | C45/55 | cap | 0.5 |
| 38 | 38 | 39 | - | - | C45/55 | cap | 0.5 |
| 39 | 39 | 40 | - | - | C45/55 | cap | 0.5 |
| 40 | 40 | 41 | - | - | C45/55 | cap | 0.5 |
| 41 | 41 | 42 | - | - | C45/55 | cap | 0.5 |
| 42 | 42 | 43 | - | - | C45/55 | cap | 0.5 |
| 43 | 43 | 44 | - | - | C45/55 | cap | 0.5 |
| 44 | 44 | 45 | - | - | C45/55 | cap | 0.5 |
| 45 | 45 | 46 | - | - | C45/55 | cap | 0.5 |
| 46 | 46 | 47 | - | - | C45/55 | cap | 0.5 |
| 47 | 1 | 48 | - | - | Rck35 p0 | traverso cap | 2 |
| 48 | 2 | 49 | - | - | Rck35 p0 | soletta | 2 |
| 49 | 3 | 50 | - | - | Rck35 p0 | soletta | 2 |
| 50 | 4 | 51 | - | - | Rck35 p0 | soletta | 2 |
| 51 | 5 | 52 | - | - | Rck35 p0 | soletta | 2 |
| 52 | 6 | 53 | - | - | Rck35 p0 | soletta | 2 |
| 53 | 7 | 54 | - | - | Rck35 p0 | soletta | 2 |
| 54 | 8 | 55 | - | - | Rck35 p0 | soletta | 2 |
| 55 | 9 | 56 | - | - | Rck35 p0 | soletta | 2 |
| 56 | 10 | 57 | - | - | Rck35 p0 | soletta | 2 |
| 57 | 11 | 58 | - | - | Rck35 p0 | soletta | 2 |
| 58 | 12 | 59 | - | - | Rck35 p0 | soletta | 2 |
| 59 | 13 | 60 | - | - | Rck35 p0 | soletta | 2 |
| 60 | 14 | 61 | - | - | Rck35 p0 | soletta | 2 |
| 61 | 15 | 62 | - | - | Rck35 p0 | soletta | 2 |
| 62 | 16 | 63 | - | - | Rck35 p0 | soletta | 2 |
| 63 | 17 | 64 | - | - | Rck35 p0 | soletta | 2 |
| 64 | 18 | 65 | - | - | Rck35 p0 | soletta | 2 |
| 65 | 19 | 66 | - | - | Rck35 p0 | soletta | 2 |
| 66 | 20 | 67 | - | - | Rck35 p0 | soletta | 2 |
| 67 | 21 | 68 | - | - | Rck35 p0 | soletta | 2 |
| 68 | 22 | 69 | - | - | Rck35 p0 | soletta | 2 |
| 69 | 23 | 70 | - | - | Rck35 p0 | soletta | 2 |
| 70 | 24 | 71 | - | - | Rck35 p0 | soletta | 2 |
| 71 | 25 | 72 | - | - | Rck35 p0 | soletta | 2 |
| 72 | 26 | 73 | - | - | Rck35 p0 | soletta | 2 |
| 73 | 27 | 74 | - | - | Rck35 p0 | soletta | 2 |
| 74 | 28 | 75 | - | - | Rck35 p0 | soletta | 2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|----|-----|---|---|----------|--------------|-----|
| 75 | 29 | 76 | - | - | Rck35 p0 | soletta | 2 |
| 76 | 30 | 77 | - | - | Rck35 p0 | soletta | 2 |
| 77 | 31 | 78 | - | - | Rck35 p0 | soletta | 2 |
| 78 | 32 | 79 | - | - | Rck35 p0 | soletta | 2 |
| 79 | 33 | 80 | - | - | Rck35 p0 | soletta | 2 |
| 80 | 34 | 81 | - | - | Rck35 p0 | soletta | 2 |
| 81 | 35 | 82 | - | - | Rck35 p0 | soletta | 2 |
| 82 | 36 | 83 | - | - | Rck35 p0 | soletta | 2 |
| 83 | 37 | 84 | - | - | Rck35 p0 | soletta | 2 |
| 84 | 38 | 85 | - | - | Rck35 p0 | soletta | 2 |
| 85 | 39 | 86 | - | - | Rck35 p0 | soletta | 2 |
| 86 | 40 | 87 | - | - | Rck35 p0 | soletta | 2 |
| 87 | 41 | 88 | - | - | Rck35 p0 | soletta | 2 |
| 88 | 42 | 89 | - | - | Rck35 p0 | soletta | 2 |
| 89 | 43 | 90 | - | - | Rck35 p0 | soletta | 2 |
| 90 | 44 | 91 | - | - | Rck35 p0 | soletta | 2 |
| 91 | 45 | 92 | - | - | Rck35 p0 | soletta | 2 |
| 92 | 46 | 93 | - | - | Rck35 p0 | soletta | 2 |
| 93 | 47 | 94 | - | - | Rck35 p0 | traverso cap | 2 |
| 94 | 48 | 49 | - | - | C45/55 | cap | 0.5 |
| 95 | 49 | 50 | - | - | C45/55 | cap | 0.5 |
| 96 | 50 | 51 | - | - | C45/55 | cap | 0.5 |
| 97 | 51 | 52 | - | - | C45/55 | cap | 0.5 |
| 98 | 52 | 53 | - | - | C45/55 | cap | 0.5 |
| 99 | 53 | 54 | - | - | C45/55 | cap | 0.5 |
| 100 | 54 | 55 | - | - | C45/55 | cap | 0.5 |
| 101 | 55 | 56 | - | - | C45/55 | cap | 0.5 |
| 102 | 56 | 57 | - | - | C45/55 | cap | 0.5 |
| 103 | 57 | 58 | - | - | C45/55 | cap | 0.5 |
| 104 | 58 | 59 | - | - | C45/55 | cap | 0.5 |
| 105 | 59 | 60 | - | - | C45/55 | cap | 0.5 |
| 106 | 60 | 61 | - | - | C45/55 | cap | 0.5 |
| 107 | 61 | 62 | - | - | C45/55 | cap | 0.5 |
| 108 | 62 | 63 | - | - | C45/55 | cap | 0.5 |
| 109 | 63 | 64 | - | - | C45/55 | cap | 0.5 |
| 110 | 64 | 65 | - | - | C45/55 | cap | 0.5 |
| 111 | 65 | 66 | - | - | C45/55 | cap | 0.5 |
| 112 | 66 | 67 | - | - | C45/55 | cap | 0.5 |
| 113 | 67 | 68 | - | - | C45/55 | cap | 0.5 |
| 114 | 68 | 69 | - | - | C45/55 | cap | 0.5 |
| 115 | 69 | 70 | - | - | C45/55 | cap | 0.5 |
| 116 | 70 | 71 | - | - | C45/55 | cap | 0.5 |
| 117 | 71 | 72 | - | - | C45/55 | cap | 0.5 |
| 118 | 72 | 73 | - | - | C45/55 | cap | 0.5 |
| 119 | 73 | 74 | - | - | C45/55 | cap | 0.5 |
| 120 | 74 | 75 | - | - | C45/55 | cap | 0.5 |
| 121 | 75 | 76 | - | - | C45/55 | cap | 0.5 |
| 122 | 76 | 77 | - | - | C45/55 | cap | 0.5 |
| 123 | 77 | 78 | - | - | C45/55 | cap | 0.5 |
| 124 | 78 | 79 | - | - | C45/55 | cap | 0.5 |
| 125 | 79 | 80 | - | - | C45/55 | cap | 0.5 |
| 126 | 80 | 81 | - | - | C45/55 | cap | 0.5 |
| 127 | 81 | 82 | - | - | C45/55 | cap | 0.5 |
| 128 | 82 | 83 | - | - | C45/55 | cap | 0.5 |
| 129 | 83 | 84 | - | - | C45/55 | cap | 0.5 |
| 130 | 84 | 85 | - | - | C45/55 | cap | 0.5 |
| 131 | 85 | 86 | - | - | C45/55 | cap | 0.5 |
| 132 | 86 | 87 | - | - | C45/55 | cap | 0.5 |
| 133 | 87 | 88 | - | - | C45/55 | cap | 0.5 |
| 134 | 88 | 89 | - | - | C45/55 | cap | 0.5 |
| 135 | 89 | 90 | - | - | C45/55 | cap | 0.5 |
| 136 | 90 | 91 | - | - | C45/55 | cap | 0.5 |
| 137 | 91 | 92 | - | - | C45/55 | cap | 0.5 |
| 138 | 92 | 93 | - | - | C45/55 | cap | 0.5 |
| 139 | 93 | 94 | - | - | C45/55 | cap | 0.5 |
| 140 | 48 | 95 | - | - | Rck35 p0 | traverso cap | 2 |
| 141 | 49 | 96 | - | - | Rck35 p0 | soletta | 2 |
| 142 | 50 | 97 | - | - | Rck35 p0 | soletta | 2 |
| 143 | 51 | 98 | - | - | Rck35 p0 | soletta | 2 |
| 144 | 52 | 99 | - | - | Rck35 p0 | soletta | 2 |
| 145 | 53 | 100 | - | - | Rck35 p0 | soletta | 2 |
| 146 | 54 | 101 | - | - | Rck35 p0 | soletta | 2 |
| 147 | 55 | 102 | - | - | Rck35 p0 | soletta | 2 |
| 148 | 56 | 103 | - | - | Rck35 p0 | soletta | 2 |
| 149 | 57 | 104 | - | - | Rck35 p0 | soletta | 2 |
| 150 | 58 | 105 | - | - | Rck35 p0 | soletta | 2 |
| 151 | 59 | 106 | - | - | Rck35 p0 | soletta | 2 |
| 152 | 60 | 107 | - | - | Rck35 p0 | soletta | 2 |
| 153 | 61 | 108 | - | - | Rck35 p0 | soletta | 2 |
| 154 | 62 | 109 | - | - | Rck35 p0 | soletta | 2 |
| 155 | 63 | 110 | - | - | Rck35 p0 | soletta | 2 |
| 156 | 64 | 111 | - | - | Rck35 p0 | soletta | 2 |
| 157 | 65 | 112 | - | - | Rck35 p0 | soletta | 2 |
| 158 | 66 | 113 | - | - | Rck35 p0 | soletta | 2 |
| 159 | 67 | 114 | - | - | Rck35 p0 | soletta | 2 |
| 160 | 68 | 115 | - | - | Rck35 p0 | soletta | 2 |
| 161 | 69 | 116 | - | - | Rck35 p0 | soletta | 2 |
| 162 | 70 | 117 | - | - | Rck35 p0 | soletta | 2 |
| 163 | 71 | 118 | - | - | Rck35 p0 | soletta | 2 |
| 164 | 72 | 119 | - | - | Rck35 p0 | soletta | 2 |
| 165 | 73 | 120 | - | - | Rck35 p0 | soletta | 2 |
| 166 | 74 | 121 | - | - | Rck35 p0 | soletta | 2 |
| 167 | 75 | 122 | - | - | Rck35 p0 | soletta | 2 |
| 168 | 76 | 123 | - | - | Rck35 p0 | soletta | 2 |
| 169 | 77 | 124 | - | - | Rck35 p0 | soletta | 2 |
| 170 | 78 | 125 | - | - | Rck35 p0 | soletta | 2 |
| 171 | 79 | 126 | - | - | Rck35 p0 | soletta | 2 |
| 172 | 80 | 127 | - | - | Rck35 p0 | soletta | 2 |
| 173 | 81 | 128 | - | - | Rck35 p0 | soletta | 2 |
| 174 | 82 | 129 | - | - | Rck35 p0 | soletta | 2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|-----|
| 175 | 83 | 130 | - | - | Rck35 p0 | soletta | 2 |
| 176 | 84 | 131 | - | - | Rck35 p0 | soletta | 2 |
| 177 | 85 | 132 | - | - | Rck35 p0 | soletta | 2 |
| 178 | 86 | 133 | - | - | Rck35 p0 | soletta | 2 |
| 179 | 87 | 134 | - | - | Rck35 p0 | soletta | 2 |
| 180 | 88 | 135 | - | - | Rck35 p0 | soletta | 2 |
| 181 | 89 | 136 | - | - | Rck35 p0 | soletta | 2 |
| 182 | 90 | 137 | - | - | Rck35 p0 | soletta | 2 |
| 183 | 91 | 138 | - | - | Rck35 p0 | soletta | 2 |
| 184 | 92 | 139 | - | - | Rck35 p0 | soletta | 2 |
| 185 | 93 | 140 | - | - | Rck35 p0 | soletta | 2 |
| 186 | 94 | 141 | - | - | Rck35 p0 | traverso cap | 2 |
| 187 | 95 | 96 | - | - | C45/55 | cap | 0.5 |
| 188 | 96 | 97 | - | - | C45/55 | cap | 0.5 |
| 189 | 97 | 98 | - | - | C45/55 | cap | 0.5 |
| 190 | 98 | 99 | - | - | C45/55 | cap | 0.5 |
| 191 | 99 | 100 | - | - | C45/55 | cap | 0.5 |
| 192 | 100 | 101 | - | - | C45/55 | cap | 0.5 |
| 193 | 101 | 102 | - | - | C45/55 | cap | 0.5 |
| 194 | 102 | 103 | - | - | C45/55 | cap | 0.5 |
| 195 | 103 | 104 | - | - | C45/55 | cap | 0.5 |
| 196 | 104 | 105 | - | - | C45/55 | cap | 0.5 |
| 197 | 105 | 106 | - | - | C45/55 | cap | 0.5 |
| 198 | 106 | 107 | - | - | C45/55 | cap | 0.5 |
| 199 | 107 | 108 | - | - | C45/55 | cap | 0.5 |
| 200 | 108 | 109 | - | - | C45/55 | cap | 0.5 |
| 201 | 109 | 110 | - | - | C45/55 | cap | 0.5 |
| 202 | 110 | 111 | - | - | C45/55 | cap | 0.5 |
| 203 | 111 | 112 | - | - | C45/55 | cap | 0.5 |
| 204 | 112 | 113 | - | - | C45/55 | cap | 0.5 |
| 205 | 113 | 114 | - | - | C45/55 | cap | 0.5 |
| 206 | 114 | 115 | - | - | C45/55 | cap | 0.5 |
| 207 | 115 | 116 | - | - | C45/55 | cap | 0.5 |
| 208 | 116 | 117 | - | - | C45/55 | cap | 0.5 |
| 209 | 117 | 118 | - | - | C45/55 | cap | 0.5 |
| 210 | 118 | 119 | - | - | C45/55 | cap | 0.5 |
| 211 | 119 | 120 | - | - | C45/55 | cap | 0.5 |
| 212 | 120 | 121 | - | - | C45/55 | cap | 0.5 |
| 213 | 121 | 122 | - | - | C45/55 | cap | 0.5 |
| 214 | 122 | 123 | - | - | C45/55 | cap | 0.5 |
| 215 | 123 | 124 | - | - | C45/55 | cap | 0.5 |
| 216 | 124 | 125 | - | - | C45/55 | cap | 0.5 |
| 217 | 125 | 126 | - | - | C45/55 | cap | 0.5 |
| 218 | 126 | 127 | - | - | C45/55 | cap | 0.5 |
| 219 | 127 | 128 | - | - | C45/55 | cap | 0.5 |
| 220 | 128 | 129 | - | - | C45/55 | cap | 0.5 |
| 221 | 129 | 130 | - | - | C45/55 | cap | 0.5 |
| 222 | 130 | 131 | - | - | C45/55 | cap | 0.5 |
| 223 | 131 | 132 | - | - | C45/55 | cap | 0.5 |
| 224 | 132 | 133 | - | - | C45/55 | cap | 0.5 |
| 225 | 133 | 134 | - | - | C45/55 | cap | 0.5 |
| 226 | 134 | 135 | - | - | C45/55 | cap | 0.5 |
| 227 | 135 | 136 | - | - | C45/55 | cap | 0.5 |
| 228 | 136 | 137 | - | - | C45/55 | cap | 0.5 |
| 229 | 137 | 138 | - | - | C45/55 | cap | 0.5 |
| 230 | 138 | 139 | - | - | C45/55 | cap | 0.5 |
| 231 | 139 | 140 | - | - | C45/55 | cap | 0.5 |
| 232 | 140 | 141 | - | - | C45/55 | cap | 0.5 |
| 233 | 95 | 142 | - | - | Rck35 p0 | traverso cap | 2 |
| 234 | 96 | 143 | - | - | Rck35 p0 | soletta | 2 |
| 235 | 97 | 144 | - | - | Rck35 p0 | soletta | 2 |
| 236 | 98 | 145 | - | - | Rck35 p0 | soletta | 2 |
| 237 | 99 | 146 | - | - | Rck35 p0 | soletta | 2 |
| 238 | 100 | 147 | - | - | Rck35 p0 | soletta | 2 |
| 239 | 101 | 148 | - | - | Rck35 p0 | soletta | 2 |
| 240 | 102 | 149 | - | - | Rck35 p0 | soletta | 2 |
| 241 | 103 | 150 | - | - | Rck35 p0 | soletta | 2 |
| 242 | 104 | 151 | - | - | Rck35 p0 | soletta | 2 |
| 243 | 105 | 152 | - | - | Rck35 p0 | soletta | 2 |
| 244 | 106 | 153 | - | - | Rck35 p0 | soletta | 2 |
| 245 | 107 | 154 | - | - | Rck35 p0 | soletta | 2 |
| 246 | 108 | 155 | - | - | Rck35 p0 | soletta | 2 |
| 247 | 109 | 156 | - | - | Rck35 p0 | soletta | 2 |
| 248 | 110 | 157 | - | - | Rck35 p0 | soletta | 2 |
| 249 | 111 | 158 | - | - | Rck35 p0 | soletta | 2 |
| 250 | 112 | 159 | - | - | Rck35 p0 | soletta | 2 |
| 251 | 113 | 160 | - | - | Rck35 p0 | soletta | 2 |
| 252 | 114 | 161 | - | - | Rck35 p0 | soletta | 2 |
| 253 | 115 | 162 | - | - | Rck35 p0 | soletta | 2 |
| 254 | 116 | 163 | - | - | Rck35 p0 | soletta | 2 |
| 255 | 117 | 164 | - | - | Rck35 p0 | soletta | 2 |
| 256 | 118 | 165 | - | - | Rck35 p0 | soletta | 2 |
| 257 | 119 | 166 | - | - | Rck35 p0 | soletta | 2 |
| 258 | 120 | 167 | - | - | Rck35 p0 | soletta | 2 |
| 259 | 121 | 168 | - | - | Rck35 p0 | soletta | 2 |
| 260 | 122 | 169 | - | - | Rck35 p0 | soletta | 2 |
| 261 | 123 | 170 | - | - | Rck35 p0 | soletta | 2 |
| 262 | 124 | 171 | - | - | Rck35 p0 | soletta | 2 |
| 263 | 125 | 172 | - | - | Rck35 p0 | soletta | 2 |
| 264 | 126 | 173 | - | - | Rck35 p0 | soletta | 2 |
| 265 | 127 | 174 | - | - | Rck35 p0 | soletta | 2 |
| 266 | 128 | 175 | - | - | Rck35 p0 | soletta | 2 |
| 267 | 129 | 176 | - | - | Rck35 p0 | soletta | 2 |
| 268 | 130 | 177 | - | - | Rck35 p0 | soletta | 2 |
| 269 | 131 | 178 | - | - | Rck35 p0 | soletta | 2 |
| 270 | 132 | 179 | - | - | Rck35 p0 | soletta | 2 |
| 271 | 133 | 180 | - | - | Rck35 p0 | soletta | 2 |
| 272 | 134 | 181 | - | - | Rck35 p0 | soletta | 2 |
| 273 | 135 | 182 | - | - | Rck35 p0 | soletta | 2 |
| 274 | 136 | 183 | - | - | Rck35 p0 | soletta | 2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|-----|
| 275 | 137 | 184 | - | - | Rck35 p0 | soletta | 2 |
| 276 | 138 | 185 | - | - | Rck35 p0 | soletta | 2 |
| 277 | 139 | 186 | - | - | Rck35 p0 | soletta | 2 |
| 278 | 140 | 187 | - | - | Rck35 p0 | soletta | 2 |
| 279 | 141 | 188 | - | - | Rck35 p0 | traverso cap | 2 |
| 280 | 142 | 143 | - | - | C45/55 | cap | 0.5 |
| 281 | 143 | 144 | - | - | C45/55 | cap | 0.5 |
| 282 | 144 | 145 | - | - | C45/55 | cap | 0.5 |
| 283 | 145 | 146 | - | - | C45/55 | cap | 0.5 |
| 284 | 146 | 147 | - | - | C45/55 | cap | 0.5 |
| 285 | 147 | 148 | - | - | C45/55 | cap | 0.5 |
| 286 | 148 | 149 | - | - | C45/55 | cap | 0.5 |
| 287 | 149 | 150 | - | - | C45/55 | cap | 0.5 |
| 288 | 150 | 151 | - | - | C45/55 | cap | 0.5 |
| 289 | 151 | 152 | - | - | C45/55 | cap | 0.5 |
| 290 | 152 | 153 | - | - | C45/55 | cap | 0.5 |
| 291 | 153 | 154 | - | - | C45/55 | cap | 0.5 |
| 292 | 154 | 155 | - | - | C45/55 | cap | 0.5 |
| 293 | 155 | 156 | - | - | C45/55 | cap | 0.5 |
| 294 | 156 | 157 | - | - | C45/55 | cap | 0.5 |
| 295 | 157 | 158 | - | - | C45/55 | cap | 0.5 |
| 296 | 158 | 159 | - | - | C45/55 | cap | 0.5 |
| 297 | 159 | 160 | - | - | C45/55 | cap | 0.5 |
| 298 | 160 | 161 | - | - | C45/55 | cap | 0.5 |
| 299 | 161 | 162 | - | - | C45/55 | cap | 0.5 |
| 300 | 162 | 163 | - | - | C45/55 | cap | 0.5 |
| 301 | 163 | 164 | - | - | C45/55 | cap | 0.5 |
| 302 | 164 | 165 | - | - | C45/55 | cap | 0.5 |
| 303 | 165 | 166 | - | - | C45/55 | cap | 0.5 |
| 304 | 166 | 167 | - | - | C45/55 | cap | 0.5 |
| 305 | 167 | 168 | - | - | C45/55 | cap | 0.5 |
| 306 | 168 | 169 | - | - | C45/55 | cap | 0.5 |
| 307 | 169 | 170 | - | - | C45/55 | cap | 0.5 |
| 308 | 170 | 171 | - | - | C45/55 | cap | 0.5 |
| 309 | 171 | 172 | - | - | C45/55 | cap | 0.5 |
| 310 | 172 | 173 | - | - | C45/55 | cap | 0.5 |
| 311 | 173 | 174 | - | - | C45/55 | cap | 0.5 |
| 312 | 174 | 175 | - | - | C45/55 | cap | 0.5 |
| 313 | 175 | 176 | - | - | C45/55 | cap | 0.5 |
| 314 | 176 | 177 | - | - | C45/55 | cap | 0.5 |
| 315 | 177 | 178 | - | - | C45/55 | cap | 0.5 |
| 316 | 178 | 179 | - | - | C45/55 | cap | 0.5 |
| 317 | 179 | 180 | - | - | C45/55 | cap | 0.5 |
| 318 | 180 | 181 | - | - | C45/55 | cap | 0.5 |
| 319 | 181 | 182 | - | - | C45/55 | cap | 0.5 |
| 320 | 182 | 183 | - | - | C45/55 | cap | 0.5 |
| 321 | 183 | 184 | - | - | C45/55 | cap | 0.5 |
| 322 | 184 | 185 | - | - | C45/55 | cap | 0.5 |
| 323 | 185 | 186 | - | - | C45/55 | cap | 0.5 |
| 324 | 186 | 187 | - | - | C45/55 | cap | 0.5 |
| 325 | 187 | 188 | - | - | C45/55 | cap | 0.5 |
| 326 | 142 | 189 | - | - | Rck35 p0 | traverso cap | 2 |
| 327 | 143 | 190 | - | - | Rck35 p0 | soletta | 2 |
| 328 | 144 | 191 | - | - | Rck35 p0 | soletta | 2 |
| 329 | 145 | 192 | - | - | Rck35 p0 | soletta | 2 |
| 330 | 146 | 193 | - | - | Rck35 p0 | soletta | 2 |
| 331 | 147 | 194 | - | - | Rck35 p0 | soletta | 2 |
| 332 | 148 | 195 | - | - | Rck35 p0 | soletta | 2 |
| 333 | 149 | 196 | - | - | Rck35 p0 | soletta | 2 |
| 334 | 150 | 197 | - | - | Rck35 p0 | soletta | 2 |
| 335 | 151 | 198 | - | - | Rck35 p0 | soletta | 2 |
| 336 | 152 | 199 | - | - | Rck35 p0 | soletta | 2 |
| 337 | 153 | 200 | - | - | Rck35 p0 | soletta | 2 |
| 338 | 154 | 201 | - | - | Rck35 p0 | soletta | 2 |
| 339 | 155 | 202 | - | - | Rck35 p0 | soletta | 2 |
| 340 | 156 | 203 | - | - | Rck35 p0 | soletta | 2 |
| 341 | 157 | 204 | - | - | Rck35 p0 | soletta | 2 |
| 342 | 158 | 205 | - | - | Rck35 p0 | soletta | 2 |
| 343 | 159 | 206 | - | - | Rck35 p0 | soletta | 2 |
| 344 | 160 | 207 | - | - | Rck35 p0 | soletta | 2 |
| 345 | 161 | 208 | - | - | Rck35 p0 | soletta | 2 |
| 346 | 162 | 209 | - | - | Rck35 p0 | soletta | 2 |
| 347 | 163 | 210 | - | - | Rck35 p0 | soletta | 2 |
| 348 | 164 | 211 | - | - | Rck35 p0 | soletta | 2 |
| 349 | 165 | 212 | - | - | Rck35 p0 | soletta | 2 |
| 350 | 166 | 213 | - | - | Rck35 p0 | soletta | 2 |
| 351 | 167 | 214 | - | - | Rck35 p0 | soletta | 2 |
| 352 | 168 | 215 | - | - | Rck35 p0 | soletta | 2 |
| 353 | 169 | 216 | - | - | Rck35 p0 | soletta | 2 |
| 354 | 170 | 217 | - | - | Rck35 p0 | soletta | 2 |
| 355 | 171 | 218 | - | - | Rck35 p0 | soletta | 2 |
| 356 | 172 | 219 | - | - | Rck35 p0 | soletta | 2 |
| 357 | 173 | 220 | - | - | Rck35 p0 | soletta | 2 |
| 358 | 174 | 221 | - | - | Rck35 p0 | soletta | 2 |
| 359 | 175 | 222 | - | - | Rck35 p0 | soletta | 2 |
| 360 | 176 | 223 | - | - | Rck35 p0 | soletta | 2 |
| 361 | 177 | 224 | - | - | Rck35 p0 | soletta | 2 |
| 362 | 178 | 225 | - | - | Rck35 p0 | soletta | 2 |
| 363 | 179 | 226 | - | - | Rck35 p0 | soletta | 2 |
| 364 | 180 | 227 | - | - | Rck35 p0 | soletta | 2 |
| 365 | 181 | 228 | - | - | Rck35 p0 | soletta | 2 |
| 366 | 182 | 229 | - | - | Rck35 p0 | soletta | 2 |
| 367 | 183 | 230 | - | - | Rck35 p0 | soletta | 2 |
| 368 | 184 | 231 | - | - | Rck35 p0 | soletta | 2 |
| 369 | 185 | 232 | - | - | Rck35 p0 | soletta | 2 |
| 370 | 186 | 233 | - | - | Rck35 p0 | soletta | 2 |
| 371 | 187 | 234 | - | - | Rck35 p0 | soletta | 2 |
| 372 | 188 | 235 | - | - | Rck35 p0 | traverso cap | 2 |
| 373 | 189 | 190 | - | - | C45/55 | cap | 0.5 |
| 374 | 190 | 191 | - | - | C45/55 | cap | 0.5 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|-----|
| 375 | 191 | 192 | - | - | C45/55 | cap | 0.5 |
| 376 | 192 | 193 | - | - | C45/55 | cap | 0.5 |
| 377 | 193 | 194 | - | - | C45/55 | cap | 0.5 |
| 378 | 194 | 195 | - | - | C45/55 | cap | 0.5 |
| 379 | 195 | 196 | - | - | C45/55 | cap | 0.5 |
| 380 | 196 | 197 | - | - | C45/55 | cap | 0.5 |
| 381 | 197 | 198 | - | - | C45/55 | cap | 0.5 |
| 382 | 198 | 199 | - | - | C45/55 | cap | 0.5 |
| 383 | 199 | 200 | - | - | C45/55 | cap | 0.5 |
| 384 | 200 | 201 | - | - | C45/55 | cap | 0.5 |
| 385 | 201 | 202 | - | - | C45/55 | cap | 0.5 |
| 386 | 202 | 203 | - | - | C45/55 | cap | 0.5 |
| 387 | 203 | 204 | - | - | C45/55 | cap | 0.5 |
| 388 | 204 | 205 | - | - | C45/55 | cap | 0.5 |
| 389 | 205 | 206 | - | - | C45/55 | cap | 0.5 |
| 390 | 206 | 207 | - | - | C45/55 | cap | 0.5 |
| 391 | 207 | 208 | - | - | C45/55 | cap | 0.5 |
| 392 | 208 | 209 | - | - | C45/55 | cap | 0.5 |
| 393 | 209 | 210 | - | - | C45/55 | cap | 0.5 |
| 394 | 210 | 211 | - | - | C45/55 | cap | 0.5 |
| 395 | 211 | 212 | - | - | C45/55 | cap | 0.5 |
| 396 | 212 | 213 | - | - | C45/55 | cap | 0.5 |
| 397 | 213 | 214 | - | - | C45/55 | cap | 0.5 |
| 398 | 214 | 215 | - | - | C45/55 | cap | 0.5 |
| 399 | 215 | 216 | - | - | C45/55 | cap | 0.5 |
| 400 | 216 | 217 | - | - | C45/55 | cap | 0.5 |
| 401 | 217 | 218 | - | - | C45/55 | cap | 0.5 |
| 402 | 218 | 219 | - | - | C45/55 | cap | 0.5 |
| 403 | 219 | 220 | - | - | C45/55 | cap | 0.5 |
| 404 | 220 | 221 | - | - | C45/55 | cap | 0.5 |
| 405 | 221 | 222 | - | - | C45/55 | cap | 0.5 |
| 406 | 222 | 223 | - | - | C45/55 | cap | 0.5 |
| 407 | 223 | 224 | - | - | C45/55 | cap | 0.5 |
| 408 | 224 | 225 | - | - | C45/55 | cap | 0.5 |
| 409 | 225 | 226 | - | - | C45/55 | cap | 0.5 |
| 410 | 226 | 227 | - | - | C45/55 | cap | 0.5 |
| 411 | 227 | 228 | - | - | C45/55 | cap | 0.5 |
| 412 | 228 | 229 | - | - | C45/55 | cap | 0.5 |
| 413 | 229 | 230 | - | - | C45/55 | cap | 0.5 |
| 414 | 230 | 231 | - | - | C45/55 | cap | 0.5 |
| 415 | 231 | 232 | - | - | C45/55 | cap | 0.5 |
| 416 | 232 | 233 | - | - | C45/55 | cap | 0.5 |
| 417 | 233 | 234 | - | - | C45/55 | cap | 0.5 |
| 418 | 234 | 235 | - | - | C45/55 | cap | 0.5 |
| 419 | 189 | 236 | - | - | Rck35 p0 | traverso cap | 2 |
| 420 | 190 | 237 | - | - | Rck35 p0 | soletta | 2 |
| 421 | 191 | 238 | - | - | Rck35 p0 | soletta | 2 |
| 422 | 192 | 239 | - | - | Rck35 p0 | soletta | 2 |
| 423 | 193 | 240 | - | - | Rck35 p0 | soletta | 2 |
| 424 | 194 | 241 | - | - | Rck35 p0 | soletta | 2 |
| 425 | 195 | 242 | - | - | Rck35 p0 | soletta | 2 |
| 426 | 196 | 243 | - | - | Rck35 p0 | soletta | 2 |
| 427 | 197 | 244 | - | - | Rck35 p0 | soletta | 2 |
| 428 | 198 | 245 | - | - | Rck35 p0 | soletta | 2 |
| 429 | 199 | 246 | - | - | Rck35 p0 | soletta | 2 |
| 430 | 200 | 247 | - | - | Rck35 p0 | soletta | 2 |
| 431 | 201 | 248 | - | - | Rck35 p0 | soletta | 2 |
| 432 | 202 | 249 | - | - | Rck35 p0 | soletta | 2 |
| 433 | 203 | 250 | - | - | Rck35 p0 | soletta | 2 |
| 434 | 204 | 251 | - | - | Rck35 p0 | soletta | 2 |
| 435 | 205 | 252 | - | - | Rck35 p0 | soletta | 2 |
| 436 | 206 | 253 | - | - | Rck35 p0 | soletta | 2 |
| 437 | 207 | 254 | - | - | Rck35 p0 | soletta | 2 |
| 438 | 208 | 255 | - | - | Rck35 p0 | soletta | 2 |
| 439 | 209 | 256 | - | - | Rck35 p0 | soletta | 2 |
| 440 | 210 | 257 | - | - | Rck35 p0 | soletta | 2 |
| 441 | 211 | 258 | - | - | Rck35 p0 | soletta | 2 |
| 442 | 212 | 259 | - | - | Rck35 p0 | soletta | 2 |
| 443 | 213 | 260 | - | - | Rck35 p0 | soletta | 2 |
| 444 | 214 | 261 | - | - | Rck35 p0 | soletta | 2 |
| 445 | 215 | 262 | - | - | Rck35 p0 | soletta | 2 |
| 446 | 216 | 263 | - | - | Rck35 p0 | soletta | 2 |
| 447 | 217 | 264 | - | - | Rck35 p0 | soletta | 2 |
| 448 | 218 | 265 | - | - | Rck35 p0 | soletta | 2 |
| 449 | 219 | 266 | - | - | Rck35 p0 | soletta | 2 |
| 450 | 220 | 267 | - | - | Rck35 p0 | soletta | 2 |
| 451 | 221 | 268 | - | - | Rck35 p0 | soletta | 2 |
| 452 | 222 | 269 | - | - | Rck35 p0 | soletta | 2 |
| 453 | 223 | 270 | - | - | Rck35 p0 | soletta | 2 |
| 454 | 224 | 271 | - | - | Rck35 p0 | soletta | 2 |
| 455 | 225 | 272 | - | - | Rck35 p0 | soletta | 2 |
| 456 | 226 | 273 | - | - | Rck35 p0 | soletta | 2 |
| 457 | 227 | 274 | - | - | Rck35 p0 | soletta | 2 |
| 458 | 228 | 275 | - | - | Rck35 p0 | soletta | 2 |
| 459 | 229 | 276 | - | - | Rck35 p0 | soletta | 2 |
| 460 | 230 | 277 | - | - | Rck35 p0 | soletta | 2 |
| 461 | 231 | 278 | - | - | Rck35 p0 | soletta | 2 |
| 462 | 232 | 279 | - | - | Rck35 p0 | soletta | 2 |
| 463 | 233 | 280 | - | - | Rck35 p0 | soletta | 2 |
| 464 | 234 | 281 | - | - | Rck35 p0 | soletta | 2 |
| 465 | 235 | 282 | - | - | Rck35 p0 | traverso cap | 2 |
| 466 | 236 | 237 | - | - | C45/55 | cap | 0.5 |
| 467 | 237 | 238 | - | - | C45/55 | cap | 0.5 |
| 468 | 238 | 239 | - | - | C45/55 | cap | 0.5 |
| 469 | 239 | 240 | - | - | C45/55 | cap | 0.5 |
| 470 | 240 | 241 | - | - | C45/55 | cap | 0.5 |
| 471 | 241 | 242 | - | - | C45/55 | cap | 0.5 |
| 472 | 242 | 243 | - | - | C45/55 | cap | 0.5 |
| 473 | 243 | 244 | - | - | C45/55 | cap | 0.5 |
| 474 | 244 | 245 | - | - | C45/55 | cap | 0.5 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|------|
| 475 | 245 | 246 | - | - | C45/55 | cap | 0.5 |
| 476 | 246 | 247 | - | - | C45/55 | cap | 0.5 |
| 477 | 247 | 248 | - | - | C45/55 | cap | 0.5 |
| 478 | 248 | 249 | - | - | C45/55 | cap | 0.5 |
| 479 | 249 | 250 | - | - | C45/55 | cap | 0.5 |
| 480 | 250 | 251 | - | - | C45/55 | cap | 0.5 |
| 481 | 251 | 252 | - | - | C45/55 | cap | 0.5 |
| 482 | 252 | 253 | - | - | C45/55 | cap | 0.5 |
| 483 | 253 | 254 | - | - | C45/55 | cap | 0.5 |
| 484 | 254 | 255 | - | - | C45/55 | cap | 0.5 |
| 485 | 255 | 256 | - | - | C45/55 | cap | 0.5 |
| 486 | 256 | 257 | - | - | C45/55 | cap | 0.5 |
| 487 | 257 | 258 | - | - | C45/55 | cap | 0.5 |
| 488 | 258 | 259 | - | - | C45/55 | cap | 0.5 |
| 489 | 259 | 260 | - | - | C45/55 | cap | 0.5 |
| 490 | 260 | 261 | - | - | C45/55 | cap | 0.5 |
| 491 | 261 | 262 | - | - | C45/55 | cap | 0.5 |
| 492 | 262 | 263 | - | - | C45/55 | cap | 0.5 |
| 493 | 263 | 264 | - | - | C45/55 | cap | 0.5 |
| 494 | 264 | 265 | - | - | C45/55 | cap | 0.5 |
| 495 | 265 | 266 | - | - | C45/55 | cap | 0.5 |
| 496 | 266 | 267 | - | - | C45/55 | cap | 0.5 |
| 497 | 267 | 268 | - | - | C45/55 | cap | 0.5 |
| 498 | 268 | 269 | - | - | C45/55 | cap | 0.5 |
| 499 | 269 | 270 | - | - | C45/55 | cap | 0.5 |
| 500 | 270 | 271 | - | - | C45/55 | cap | 0.5 |
| 501 | 271 | 272 | - | - | C45/55 | cap | 0.5 |
| 502 | 272 | 273 | - | - | C45/55 | cap | 0.5 |
| 503 | 273 | 274 | - | - | C45/55 | cap | 0.5 |
| 504 | 274 | 275 | - | - | C45/55 | cap | 0.5 |
| 505 | 275 | 276 | - | - | C45/55 | cap | 0.5 |
| 506 | 276 | 277 | - | - | C45/55 | cap | 0.5 |
| 507 | 277 | 278 | - | - | C45/55 | cap | 0.5 |
| 508 | 278 | 279 | - | - | C45/55 | cap | 0.5 |
| 509 | 279 | 280 | - | - | C45/55 | cap | 0.5 |
| 510 | 280 | 281 | - | - | C45/55 | cap | 0.5 |
| 511 | 281 | 282 | - | - | C45/55 | cap | 0.5 |
| 512 | 236 | 283 | - | - | Rck35 p0 | traverso cap | 1.25 |
| 513 | 237 | 284 | - | - | Rck35 p0 | soletta | 1.25 |
| 514 | 238 | 285 | - | - | Rck35 p0 | soletta | 1.25 |
| 515 | 239 | 286 | - | - | Rck35 p0 | soletta | 1.25 |
| 516 | 240 | 287 | - | - | Rck35 p0 | soletta | 1.25 |
| 517 | 241 | 288 | - | - | Rck35 p0 | soletta | 1.25 |
| 518 | 242 | 289 | - | - | Rck35 p0 | soletta | 1.25 |
| 519 | 243 | 290 | - | - | Rck35 p0 | soletta | 1.25 |
| 520 | 244 | 291 | - | - | Rck35 p0 | soletta | 1.25 |
| 521 | 245 | 292 | - | - | Rck35 p0 | soletta | 1.25 |
| 522 | 246 | 293 | - | - | Rck35 p0 | soletta | 1.25 |
| 523 | 247 | 294 | - | - | Rck35 p0 | soletta | 1.25 |
| 524 | 248 | 295 | - | - | Rck35 p0 | soletta | 1.25 |
| 525 | 249 | 296 | - | - | Rck35 p0 | soletta | 1.25 |
| 526 | 250 | 297 | - | - | Rck35 p0 | soletta | 1.25 |
| 527 | 251 | 298 | - | - | Rck35 p0 | soletta | 1.25 |
| 528 | 252 | 299 | - | - | Rck35 p0 | soletta | 1.25 |
| 529 | 253 | 300 | - | - | Rck35 p0 | soletta | 1.25 |
| 530 | 254 | 301 | - | - | Rck35 p0 | soletta | 1.25 |
| 531 | 255 | 302 | - | - | Rck35 p0 | soletta | 1.25 |
| 532 | 256 | 303 | - | - | Rck35 p0 | soletta | 1.25 |
| 533 | 257 | 304 | - | - | Rck35 p0 | soletta | 1.25 |
| 534 | 258 | 305 | - | - | Rck35 p0 | soletta | 1.25 |
| 535 | 259 | 306 | - | - | Rck35 p0 | soletta | 1.25 |
| 536 | 260 | 307 | - | - | Rck35 p0 | soletta | 1.25 |
| 537 | 261 | 308 | - | - | Rck35 p0 | soletta | 1.25 |
| 538 | 262 | 309 | - | - | Rck35 p0 | soletta | 1.25 |
| 539 | 263 | 310 | - | - | Rck35 p0 | soletta | 1.25 |
| 540 | 264 | 311 | - | - | Rck35 p0 | soletta | 1.25 |
| 541 | 265 | 312 | - | - | Rck35 p0 | soletta | 1.25 |
| 542 | 266 | 313 | - | - | Rck35 p0 | soletta | 1.25 |
| 543 | 267 | 314 | - | - | Rck35 p0 | soletta | 1.25 |
| 544 | 268 | 315 | - | - | Rck35 p0 | soletta | 1.25 |
| 545 | 269 | 316 | - | - | Rck35 p0 | soletta | 1.25 |
| 546 | 270 | 317 | - | - | Rck35 p0 | soletta | 1.25 |
| 547 | 271 | 318 | - | - | Rck35 p0 | soletta | 1.25 |
| 548 | 272 | 319 | - | - | Rck35 p0 | soletta | 1.25 |
| 549 | 273 | 320 | - | - | Rck35 p0 | soletta | 1.25 |
| 550 | 274 | 321 | - | - | Rck35 p0 | soletta | 1.25 |
| 551 | 275 | 322 | - | - | Rck35 p0 | soletta | 1.25 |
| 552 | 276 | 323 | - | - | Rck35 p0 | soletta | 1.25 |
| 553 | 277 | 324 | - | - | Rck35 p0 | soletta | 1.25 |
| 554 | 278 | 325 | - | - | Rck35 p0 | soletta | 1.25 |
| 555 | 279 | 326 | - | - | Rck35 p0 | soletta | 1.25 |
| 556 | 280 | 327 | - | - | Rck35 p0 | soletta | 1.25 |
| 557 | 281 | 328 | - | - | Rck35 p0 | soletta | 1.25 |
| 558 | 282 | 329 | - | - | Rck35 p0 | traverso cap | 1.25 |
| 559 | 330 | 1 | - | - | Rck35 p0 | traverso cap | 1.25 |
| 560 | 331 | 2 | - | - | Rck35 p0 | soletta | 1.25 |
| 561 | 332 | 3 | - | - | Rck35 p0 | soletta | 1.25 |
| 562 | 333 | 4 | - | - | Rck35 p0 | soletta | 1.25 |
| 563 | 334 | 5 | - | - | Rck35 p0 | soletta | 1.25 |
| 564 | 335 | 6 | - | - | Rck35 p0 | soletta | 1.25 |
| 565 | 336 | 7 | - | - | Rck35 p0 | soletta | 1.25 |
| 566 | 337 | 8 | - | - | Rck35 p0 | soletta | 1.25 |
| 567 | 338 | 9 | - | - | Rck35 p0 | soletta | 1.25 |
| 568 | 339 | 10 | - | - | Rck35 p0 | soletta | 1.25 |
| 569 | 340 | 11 | - | - | Rck35 p0 | soletta | 1.25 |
| 570 | 341 | 12 | - | - | Rck35 p0 | soletta | 1.25 |
| 571 | 342 | 13 | - | - | Rck35 p0 | soletta | 1.25 |
| 572 | 343 | 14 | - | - | Rck35 p0 | soletta | 1.25 |
| 573 | 344 | 15 | - | - | Rck35 p0 | soletta | 1.25 |
| 574 | 345 | 16 | - | - | Rck35 p0 | soletta | 1.25 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|----|---|---|----------|--------------|------|
| 575 | 346 | 17 | - | - | Rck35 p0 | soletta | 1.25 |
| 576 | 347 | 18 | - | - | Rck35 p0 | soletta | 1.25 |
| 577 | 348 | 19 | - | - | Rck35 p0 | soletta | 1.25 |
| 578 | 349 | 20 | - | - | Rck35 p0 | soletta | 1.25 |
| 579 | 350 | 21 | - | - | Rck35 p0 | soletta | 1.25 |
| 580 | 351 | 22 | - | - | Rck35 p0 | soletta | 1.25 |
| 581 | 352 | 23 | - | - | Rck35 p0 | soletta | 1.25 |
| 582 | 353 | 24 | - | - | Rck35 p0 | soletta | 1.25 |
| 583 | 354 | 25 | - | - | Rck35 p0 | soletta | 1.25 |
| 584 | 355 | 26 | - | - | Rck35 p0 | soletta | 1.25 |
| 585 | 356 | 27 | - | - | Rck35 p0 | soletta | 1.25 |
| 586 | 357 | 28 | - | - | Rck35 p0 | soletta | 1.25 |
| 587 | 358 | 29 | - | - | Rck35 p0 | soletta | 1.25 |
| 588 | 359 | 30 | - | - | Rck35 p0 | soletta | 1.25 |
| 589 | 360 | 31 | - | - | Rck35 p0 | soletta | 1.25 |
| 590 | 361 | 32 | - | - | Rck35 p0 | soletta | 1.25 |
| 591 | 362 | 33 | - | - | Rck35 p0 | soletta | 1.25 |
| 592 | 363 | 34 | - | - | Rck35 p0 | soletta | 1.25 |
| 593 | 364 | 35 | - | - | Rck35 p0 | soletta | 1.25 |
| 594 | 365 | 36 | - | - | Rck35 p0 | soletta | 1.25 |
| 595 | 366 | 37 | - | - | Rck35 p0 | soletta | 1.25 |
| 596 | 367 | 38 | - | - | Rck35 p0 | soletta | 1.25 |
| 597 | 368 | 39 | - | - | Rck35 p0 | soletta | 1.25 |
| 598 | 369 | 40 | - | - | Rck35 p0 | soletta | 1.25 |
| 599 | 370 | 41 | - | - | Rck35 p0 | soletta | 1.25 |
| 600 | 371 | 42 | - | - | Rck35 p0 | soletta | 1.25 |
| 601 | 372 | 43 | - | - | Rck35 p0 | soletta | 1.25 |
| 602 | 373 | 44 | - | - | Rck35 p0 | soletta | 1.25 |
| 603 | 374 | 45 | - | - | Rck35 p0 | soletta | 1.25 |
| 604 | 375 | 46 | - | - | Rck35 p0 | soletta | 1.25 |
| 605 | 376 | 47 | - | - | Rck35 p0 | traverso cap | 1.25 |

*** TOTAL WEIGHT / VOLUME / SURFACE AREA SUMMARY

| SECTION NO | SECTION NAME | SURFACE AREA | VOLUMN | WEIGHT | FRAME NUMBER | TRUSS NUMBER |
|------------|--------------|--------------|--------|--------|--------------|--------------|
| 1 | cap | 1619 | 149.4 | 3517 | 276 | 0 |
| 2 | trave | 0 | 0 | 0 | 0 | 0 |
| 3 | soletta | 810 | 61.88 | 0 | 315 | 0 |
| 4 | traverso cap | 83.5 | 12.7 | 0 | 14 | 0 |
| 5 | traverso | 0 | 0 | 0 | 0 | 0 |
| 6 | traverso | 0 | 0 | 0 | 0 | 0 |
| 7 | travel | 0 | 0 | 0 | 0 | 0 |
| 8 | travel | 0 | 0 | 0 | 0 | 0 |
| 9 | trave2 | 0 | 0 | 0 | 0 | 0 |
| 10 | scat | 0 | 0 | 0 | 0 | 0 |

*** LOAD DATA

; Self Weight, Nodal Load, Specified Displacement, Beam Load, Floor Load, Finishing Material Load, System Temperature, Nodal Temperature, Element Temperature, Beam Section Temperature, Wind Load, Static Seismic Load, Time History Analysis Data

[LOAD CASE : pp]

** SELF WEIGHT DATA

; X=0, Y=0, Z=-1

** BEAM LOAD DATA

| MEMBER | TYPE | DIR. | PROJ. | D1 | P1 | D2 | P2 | D3 | P3 | D4 | P4 |
|--------|--------------|------|-------|----|----|----|----|----|----|----|----|
| 1 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 2 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 3 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 4 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 5 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 6 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 7 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 8 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 9 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 10 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 11 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 12 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 13 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 14 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 15 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 16 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 17 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 18 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 19 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 20 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 21 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 22 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 23 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 24 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 25 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 26 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 27 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 28 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 29 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 30 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 31 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 32 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 33 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|----|----|---|----|---|----|---|---|---|---|
| 34 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 35 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 36 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 37 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 38 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 39 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 40 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 41 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 42 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 43 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 44 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 45 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 46 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 466 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 467 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 468 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 469 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 470 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 471 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 472 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 473 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 474 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 475 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 476 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 477 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 478 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 479 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 480 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 481 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 482 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 483 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 484 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 485 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 486 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 487 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 488 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 489 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 490 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 491 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 492 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 493 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 494 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 495 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 496 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 497 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 498 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 499 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 500 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 501 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 502 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 503 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 504 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 505 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 506 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 507 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 508 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 509 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 510 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |
| 511 | Uniform Load | GZ | NO | 0 | -2 | 1 | -2 | 0 | 0 | 0 | 0 |

[LOAD CASE : perm]

** BEAM LOAD DATA

| MEMBER | TYPE | DIR. | PROJ. | D1 | P1 | D2 | P2 | D3 | P3 | D4 | P4 |
|--------|--------------|------|-------|----|-----|----|-----|----|----|----|----|
| 1 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 2 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 3 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 4 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 5 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 6 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 7 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 8 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 9 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 10 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 11 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 12 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 13 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 14 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 15 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 16 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 17 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 18 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 19 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 20 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 21 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 22 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 23 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 24 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 25 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 26 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 27 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 28 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 29 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 30 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 31 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 32 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 33 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|----|----|---|-----|---|-----|---|---|---|---|
| 469 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 470 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 471 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 472 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 473 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 474 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 475 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 476 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 477 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 478 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 479 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 480 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 481 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 482 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 483 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 484 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 485 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 486 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 487 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 488 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 489 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 490 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 491 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 492 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 493 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 494 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 495 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 496 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 497 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 498 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 499 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 500 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 501 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 502 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 503 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 504 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 505 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 506 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 507 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 508 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 509 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 510 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 511 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |

*** LOAD COMBINATION DATA

** GENERAL

| NO | NAME | TYPE | ACTIVE | DESCRIPTION |
|----|------|------|--------|-------------|
| 1 | sle | Add | ACTIVE | |
| 2 | SLU | Add | ACTIVE | |

11. Tabulati di input – Stato di Progetto Impalcato

*** PROJECT INFORMATION

Project Name :
Date : 2013/9/25

*** CONTROL DATA

Panel Zone Effect : Do not Calculate
Unit System : KN, M
Definition of Frame
- X Direction of Frame : Unbraced I Sway
- Y Direction of Frame : Unbraced I Sway
- Design Type : 3-D
Design Code
- Steel : Eurocode3:05
- Concrete : Eurocode2:04
- SRC : SSRCT9

*** LOAD CASE DATA

| NO | NAME | TYPE | SELF WEIGHT FACTOR | | | DESCRIPTION |
|----|------|------|--------------------|-------|--------|-------------|
| | | | X | Y | Z | |
| 1 | pp | D | 0.000 | 0.000 | -1.000 | |
| 2 | perm | D | 0.000 | 0.000 | 0.000 | |
| 3 | acc | L | 0.000 | 0.000 | 0.000 | |

*** MATERIAL PROPERTY DATA

| NO | NAME | TYPE | MODULUS OF ELASTICITY | | SHEAR MODULUS | THERMAL COEFF. | POISSON RATIO | WEIGHT DENSITY |
|----|----------|-------|-----------------------|------------|---------------|----------------|---------------|----------------|
| | | | STEEL | CONCRETE | | | | |
| 1 | C45/55 | CONC | 3.568e+007 | 1.487e+007 | 1e-005 | 0.2 | 23.54 | |
| 2 | Rck35 p0 | CONC | 3.231e+007 | 1.346e+007 | 1e-005 | 0.2 | 0 | |
| 3 | S355 | STEEL | 2.1e+008 | 8.077e+007 | 1.2e-005 | 0.3 | 76.98 | |

| NO | NAME | TYPE | STRENGTH OF DESIGN MATERIAL | | | |
|----|----------|-------|-----------------------------|----------|------------|-----------|
| | | | STEEL | CONCRETE | MAIN REBAR | SUB REBAR |
| 1 | C45/55 | CONC | - | 4.5e+004 | 4e+005 | 4e+005 |
| 2 | Rck35 p0 | CONC | - | 0 | 4e+005 | 4e+005 |
| 3 | S355 | STEEL | 3.55e+005 | - | - | - |

*** SUPPORT / SPECIFIED DISPLACEMENT / POINT SPRING SUPPORT

** SUPPORT / SPECIFIED DISPLACEMENT

| NODE | SUPPORT | SPECIFIED DISPLACEMENT | | | | | |
|------|---------|------------------------|--------|--------|--------|--------|--------|
| | | Dx | Dy | Dz | Rx | Ry | Rz |
| 2 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 49 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 93 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 96 | 111000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 140 | 011000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 143 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 187 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 190 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 234 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 237 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 281 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 284 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 328 | 001000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

*** SECTION PROPERTY DATA

| NO | NAME | SHAPE | H | B | tw | tf1 | | r1 |
|----|------------|-------|------|-----|------|------|----|----|
| | | | | | | ix | iy | |
| 1 | cap | GEN | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | trave | B | 1.05 | 1.2 | 0.01 | 0.01 | 0 | 0 |
| 3 | soletta | SB | 0.22 | 0.5 | 0 | 0 | 0 | 0 |
| 4 | traverso ~ | SB | 1.27 | 0.4 | 0 | 0 | 0 | 0 |
| 6 | traverso | C | 0.65 | 0.3 | 0.02 | 0.02 | 0 | 0 |
| 10 | scat | B | 1.14 | 1.2 | 0.02 | 0.08 | 0 | 0 |

| NO | NAME | STIFFNESS SCALE FACTOR | | | | | | Boundary Group |
|----|------------|------------------------|-----|-----|----|----|----|----------------|
| | | A | Asy | Asz | Ix | Iy | Iz | |
| 1 | cap | | | | | | | |
| 2 | trave | | | | | | | |
| 3 | soletta | | | | | | | |
| 4 | traverso ~ | | | | | | | |
| 6 | traverso | | | | | | | |
| 10 | scat | | | | | | | |

| NO | NAME | AREA | MOMENT OF INERTIA | SHAPE FACTOR |
|----|------|------|-------------------|--------------|
|----|------|------|-------------------|--------------|

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | [SRC:EQIV.] | Ix | Iy | Iz | k-Y | k-Z | |
|----|-------------|--------|------------|-----------|----------|--------|--------|
| 1 | cap | 1.083 | 0.1672 | 0.2374 | 0.3096 | 0.5832 | 0.2977 |
| 2 | trave | 0.08 | 0.00207 | 0.01325 | 0.007813 | 0.75 | 0.2625 |
| 3 | soletta | 0.11 | 0.001284 | 0.0004437 | 0.002292 | 0.8333 | 0.8333 |
| 4 | traverso ~ | 0.508 | 0.02172 | 0.06828 | 0.006773 | 0.8333 | 0.8333 |
| 6 | traverso | 0.0242 | 3.227e-006 | 0.001569 | 0.000209 | 0.4132 | 0.5372 |
| 10 | scat | 0.1848 | 0.02666 | 0.04207 | 0.02554 | 0.7792 | 0.2468 |

| NO | NAME | SECTION MODULUS Sy | | SECTION MODULUS Sz | |
|----|------------|--------------------|------------|--------------------|------------|
| | | I or CONC. | J or STEEL | I or CONC. | J or STEEL |
| 2 | trave | 0.01775 | 0.01775 | 0.01302 | 0.01302 |
| 3 | soletta | 0.004033 | 0.004033 | 0.009167 | 0.009167 |
| 4 | traverso ~ | 0.1075 | 0.1075 | 0.03387 | 0.03387 |
| 6 | traverso | 0.004829 | 0.004829 | 0.0009474 | 0.0009474 |
| 10 | scat | 0.06026 | 0.06026 | 0.04257 | 0.04257 |

*** BEAM MEMBER DATA

| NO | NODAL | CONNECTIVITY | | BEAM END RELEASE | | MATERIAL | SECTION | LENGTH |
|----|-------|--------------|---|------------------|----------|--------------|---------|--------|
| | | I | J | I | J | | | |
| 1 | 1 | 2 | - | - | C45/55 | cap | 0.5 | |
| 2 | 2 | 3 | - | - | C45/55 | cap | 0.5 | |
| 3 | 3 | 4 | - | - | C45/55 | cap | 0.5 | |
| 4 | 4 | 5 | - | - | C45/55 | cap | 0.5 | |
| 5 | 5 | 6 | - | - | C45/55 | cap | 0.5 | |
| 6 | 6 | 7 | - | - | C45/55 | cap | 0.5 | |
| 7 | 7 | 8 | - | - | C45/55 | cap | 0.5 | |
| 8 | 8 | 9 | - | - | C45/55 | cap | 0.5 | |
| 9 | 9 | 10 | - | - | C45/55 | cap | 0.5 | |
| 10 | 10 | 11 | - | - | C45/55 | cap | 0.5 | |
| 11 | 11 | 12 | - | - | C45/55 | cap | 0.5 | |
| 12 | 12 | 13 | - | - | C45/55 | cap | 0.5 | |
| 13 | 13 | 14 | - | - | C45/55 | cap | 0.5 | |
| 14 | 14 | 15 | - | - | C45/55 | cap | 0.5 | |
| 15 | 15 | 16 | - | - | C45/55 | cap | 0.5 | |
| 16 | 16 | 17 | - | - | C45/55 | cap | 0.5 | |
| 17 | 17 | 18 | - | - | C45/55 | cap | 0.5 | |
| 18 | 18 | 19 | - | - | C45/55 | cap | 0.5 | |
| 19 | 19 | 20 | - | - | C45/55 | cap | 0.5 | |
| 20 | 20 | 21 | - | - | C45/55 | cap | 0.5 | |
| 21 | 21 | 22 | - | - | C45/55 | cap | 0.5 | |
| 22 | 22 | 23 | - | - | C45/55 | cap | 0.5 | |
| 23 | 23 | 24 | - | - | C45/55 | cap | 0.5 | |
| 24 | 24 | 25 | - | - | C45/55 | cap | 0.5 | |
| 25 | 25 | 26 | - | - | C45/55 | cap | 0.5 | |
| 26 | 26 | 27 | - | - | C45/55 | cap | 0.5 | |
| 27 | 27 | 28 | - | - | C45/55 | cap | 0.5 | |
| 28 | 28 | 29 | - | - | C45/55 | cap | 0.5 | |
| 29 | 29 | 30 | - | - | C45/55 | cap | 0.5 | |
| 30 | 30 | 31 | - | - | C45/55 | cap | 0.5 | |
| 31 | 31 | 32 | - | - | C45/55 | cap | 0.5 | |
| 32 | 32 | 33 | - | - | C45/55 | cap | 0.5 | |
| 33 | 33 | 34 | - | - | C45/55 | cap | 0.5 | |
| 34 | 34 | 35 | - | - | C45/55 | cap | 0.5 | |
| 35 | 35 | 36 | - | - | C45/55 | cap | 0.5 | |
| 36 | 36 | 37 | - | - | C45/55 | cap | 0.5 | |
| 37 | 37 | 38 | - | - | C45/55 | cap | 0.5 | |
| 38 | 38 | 39 | - | - | C45/55 | cap | 0.5 | |
| 39 | 39 | 40 | - | - | C45/55 | cap | 0.5 | |
| 40 | 40 | 41 | - | - | C45/55 | cap | 0.5 | |
| 41 | 41 | 42 | - | - | C45/55 | cap | 0.5 | |
| 42 | 42 | 43 | - | - | C45/55 | cap | 0.5 | |
| 43 | 43 | 44 | - | - | C45/55 | cap | 0.5 | |
| 44 | 44 | 45 | - | - | C45/55 | cap | 0.5 | |
| 45 | 45 | 46 | - | - | C45/55 | cap | 0.5 | |
| 46 | 46 | 47 | - | - | C45/55 | cap | 0.5 | |
| 47 | 1 | 48 | - | - | Rck35 p0 | traverso cap | 2 | |
| 48 | 2 | 49 | - | - | Rck35 p0 | soletta | 2 | |
| 49 | 3 | 50 | - | - | Rck35 p0 | soletta | 2 | |
| 50 | 4 | 51 | - | - | Rck35 p0 | soletta | 2 | |
| 51 | 5 | 52 | - | - | Rck35 p0 | soletta | 2 | |
| 52 | 6 | 53 | - | - | Rck35 p0 | soletta | 2 | |
| 53 | 7 | 54 | - | - | Rck35 p0 | soletta | 2 | |
| 54 | 8 | 55 | - | - | Rck35 p0 | soletta | 2 | |
| 55 | 9 | 56 | - | - | Rck35 p0 | soletta | 2 | |
| 56 | 10 | 57 | - | - | Rck35 p0 | soletta | 2 | |
| 57 | 11 | 58 | - | - | Rck35 p0 | soletta | 2 | |
| 58 | 12 | 59 | - | - | Rck35 p0 | soletta | 2 | |
| 59 | 13 | 60 | - | - | Rck35 p0 | soletta | 2 | |
| 60 | 14 | 61 | - | - | Rck35 p0 | soletta | 2 | |
| 61 | 15 | 62 | - | - | Rck35 p0 | soletta | 2 | |
| 62 | 16 | 63 | - | - | Rck35 p0 | soletta | 2 | |
| 63 | 17 | 64 | - | - | Rck35 p0 | soletta | 2 | |
| 64 | 18 | 65 | - | - | Rck35 p0 | soletta | 2 | |
| 65 | 19 | 66 | - | - | Rck35 p0 | soletta | 2 | |
| 66 | 20 | 67 | - | - | Rck35 p0 | soletta | 2 | |
| 67 | 21 | 68 | - | - | Rck35 p0 | soletta | 2 | |
| 68 | 22 | 69 | - | - | Rck35 p0 | soletta | 2 | |
| 69 | 23 | 70 | - | - | Rck35 p0 | soletta | 2 | |
| 70 | 24 | 71 | - | - | Rck35 p0 | soletta | 2 | |
| 71 | 25 | 72 | - | - | Rck35 p0 | soletta | 2 | |
| 72 | 26 | 73 | - | - | Rck35 p0 | soletta | 2 | |
| 73 | 27 | 74 | - | - | Rck35 p0 | soletta | 2 | |
| 74 | 28 | 75 | - | - | Rck35 p0 | soletta | 2 | |
| 75 | 29 | 76 | - | - | Rck35 p0 | soletta | 2 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|----|-----|---|---|----------|--------------|-----|
| 76 | 30 | 77 | - | - | Rck35 p0 | soletta | 2 |
| 77 | 31 | 78 | - | - | Rck35 p0 | soletta | 2 |
| 78 | 32 | 79 | - | - | Rck35 p0 | soletta | 2 |
| 79 | 33 | 80 | - | - | Rck35 p0 | soletta | 2 |
| 80 | 34 | 81 | - | - | Rck35 p0 | soletta | 2 |
| 81 | 35 | 82 | - | - | Rck35 p0 | soletta | 2 |
| 82 | 36 | 83 | - | - | Rck35 p0 | soletta | 2 |
| 83 | 37 | 84 | - | - | Rck35 p0 | soletta | 2 |
| 84 | 38 | 85 | - | - | Rck35 p0 | soletta | 2 |
| 85 | 39 | 86 | - | - | Rck35 p0 | soletta | 2 |
| 86 | 40 | 87 | - | - | Rck35 p0 | soletta | 2 |
| 87 | 41 | 88 | - | - | Rck35 p0 | soletta | 2 |
| 88 | 42 | 89 | - | - | Rck35 p0 | soletta | 2 |
| 89 | 43 | 90 | - | - | Rck35 p0 | soletta | 2 |
| 90 | 44 | 91 | - | - | Rck35 p0 | soletta | 2 |
| 91 | 45 | 92 | - | - | Rck35 p0 | soletta | 2 |
| 92 | 46 | 93 | - | - | Rck35 p0 | soletta | 2 |
| 93 | 47 | 94 | - | - | Rck35 p0 | soletta | 2 |
| 94 | 48 | 49 | - | - | Rck35 p0 | traverso cap | 2 |
| 95 | 49 | 50 | - | - | C45/55 | cap | 0.5 |
| 96 | 50 | 51 | - | - | C45/55 | cap | 0.5 |
| 97 | 51 | 52 | - | - | C45/55 | cap | 0.5 |
| 98 | 52 | 53 | - | - | C45/55 | cap | 0.5 |
| 99 | 53 | 54 | - | - | C45/55 | cap | 0.5 |
| 100 | 54 | 55 | - | - | C45/55 | cap | 0.5 |
| 101 | 55 | 56 | - | - | C45/55 | cap | 0.5 |
| 102 | 56 | 57 | - | - | C45/55 | cap | 0.5 |
| 103 | 57 | 58 | - | - | C45/55 | cap | 0.5 |
| 104 | 58 | 59 | - | - | C45/55 | cap | 0.5 |
| 105 | 59 | 60 | - | - | C45/55 | cap | 0.5 |
| 106 | 60 | 61 | - | - | C45/55 | cap | 0.5 |
| 107 | 61 | 62 | - | - | C45/55 | cap | 0.5 |
| 108 | 62 | 63 | - | - | C45/55 | cap | 0.5 |
| 109 | 63 | 64 | - | - | C45/55 | cap | 0.5 |
| 110 | 64 | 65 | - | - | C45/55 | cap | 0.5 |
| 111 | 65 | 66 | - | - | C45/55 | cap | 0.5 |
| 112 | 66 | 67 | - | - | C45/55 | cap | 0.5 |
| 113 | 67 | 68 | - | - | C45/55 | cap | 0.5 |
| 114 | 68 | 69 | - | - | C45/55 | cap | 0.5 |
| 115 | 69 | 70 | - | - | C45/55 | cap | 0.5 |
| 116 | 70 | 71 | - | - | C45/55 | cap | 0.5 |
| 117 | 71 | 72 | - | - | C45/55 | cap | 0.5 |
| 118 | 72 | 73 | - | - | C45/55 | cap | 0.5 |
| 119 | 73 | 74 | - | - | C45/55 | cap | 0.5 |
| 120 | 74 | 75 | - | - | C45/55 | cap | 0.5 |
| 121 | 75 | 76 | - | - | C45/55 | cap | 0.5 |
| 122 | 76 | 77 | - | - | C45/55 | cap | 0.5 |
| 123 | 77 | 78 | - | - | C45/55 | cap | 0.5 |
| 124 | 78 | 79 | - | - | C45/55 | cap | 0.5 |
| 125 | 79 | 80 | - | - | C45/55 | cap | 0.5 |
| 126 | 80 | 81 | - | - | C45/55 | cap | 0.5 |
| 127 | 81 | 82 | - | - | C45/55 | cap | 0.5 |
| 128 | 82 | 83 | - | - | C45/55 | cap | 0.5 |
| 129 | 83 | 84 | - | - | C45/55 | cap | 0.5 |
| 130 | 84 | 85 | - | - | C45/55 | cap | 0.5 |
| 131 | 85 | 86 | - | - | C45/55 | cap | 0.5 |
| 132 | 86 | 87 | - | - | C45/55 | cap | 0.5 |
| 133 | 87 | 88 | - | - | C45/55 | cap | 0.5 |
| 134 | 88 | 89 | - | - | C45/55 | cap | 0.5 |
| 135 | 89 | 90 | - | - | C45/55 | cap | 0.5 |
| 136 | 90 | 91 | - | - | C45/55 | cap | 0.5 |
| 137 | 91 | 92 | - | - | C45/55 | cap | 0.5 |
| 138 | 92 | 93 | - | - | C45/55 | cap | 0.5 |
| 139 | 93 | 94 | - | - | C45/55 | cap | 0.5 |
| 140 | 48 | 95 | - | - | Rck35 p0 | traverso cap | 2 |
| 141 | 49 | 96 | - | - | Rck35 p0 | soletta | 2 |
| 142 | 50 | 97 | - | - | Rck35 p0 | soletta | 2 |
| 143 | 51 | 98 | - | - | Rck35 p0 | soletta | 2 |
| 144 | 52 | 99 | - | - | Rck35 p0 | soletta | 2 |
| 145 | 53 | 100 | - | - | Rck35 p0 | soletta | 2 |
| 146 | 54 | 101 | - | - | Rck35 p0 | soletta | 2 |
| 147 | 55 | 102 | - | - | Rck35 p0 | soletta | 2 |
| 148 | 56 | 103 | - | - | Rck35 p0 | soletta | 2 |
| 149 | 57 | 104 | - | - | Rck35 p0 | soletta | 2 |
| 150 | 58 | 105 | - | - | Rck35 p0 | soletta | 2 |
| 151 | 59 | 106 | - | - | Rck35 p0 | soletta | 2 |
| 152 | 60 | 107 | - | - | Rck35 p0 | soletta | 2 |
| 153 | 61 | 108 | - | - | Rck35 p0 | soletta | 2 |
| 154 | 62 | 109 | - | - | Rck35 p0 | soletta | 2 |
| 155 | 63 | 110 | - | - | Rck35 p0 | soletta | 2 |
| 156 | 64 | 111 | - | - | Rck35 p0 | soletta | 2 |
| 157 | 65 | 112 | - | - | Rck35 p0 | soletta | 2 |
| 158 | 66 | 113 | - | - | Rck35 p0 | soletta | 2 |
| 159 | 67 | 114 | - | - | Rck35 p0 | soletta | 2 |
| 160 | 68 | 115 | - | - | Rck35 p0 | soletta | 2 |
| 161 | 69 | 116 | - | - | Rck35 p0 | soletta | 2 |
| 162 | 70 | 117 | - | - | Rck35 p0 | soletta | 2 |
| 163 | 71 | 118 | - | - | Rck35 p0 | soletta | 2 |
| 164 | 72 | 119 | - | - | Rck35 p0 | soletta | 2 |
| 165 | 73 | 120 | - | - | Rck35 p0 | soletta | 2 |
| 166 | 74 | 121 | - | - | Rck35 p0 | soletta | 2 |
| 167 | 75 | 122 | - | - | Rck35 p0 | soletta | 2 |
| 168 | 76 | 123 | - | - | Rck35 p0 | soletta | 2 |
| 169 | 77 | 124 | - | - | Rck35 p0 | soletta | 2 |
| 170 | 78 | 125 | - | - | Rck35 p0 | soletta | 2 |
| 171 | 79 | 126 | - | - | Rck35 p0 | soletta | 2 |
| 172 | 80 | 127 | - | - | Rck35 p0 | soletta | 2 |
| 173 | 81 | 128 | - | - | Rck35 p0 | soletta | 2 |
| 174 | 82 | 129 | - | - | Rck35 p0 | soletta | 2 |
| 175 | 83 | 130 | - | - | Rck35 p0 | soletta | 2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|-----|
| 176 | 84 | 131 | - | - | Rck35 p0 | soletta | 2 |
| 177 | 85 | 132 | - | - | Rck35 p0 | soletta | 2 |
| 178 | 86 | 133 | - | - | Rck35 p0 | soletta | 2 |
| 179 | 87 | 134 | - | - | Rck35 p0 | soletta | 2 |
| 180 | 88 | 135 | - | - | Rck35 p0 | soletta | 2 |
| 181 | 89 | 136 | - | - | Rck35 p0 | soletta | 2 |
| 182 | 90 | 137 | - | - | Rck35 p0 | soletta | 2 |
| 183 | 91 | 138 | - | - | Rck35 p0 | soletta | 2 |
| 184 | 92 | 139 | - | - | Rck35 p0 | soletta | 2 |
| 185 | 93 | 140 | - | - | Rck35 p0 | soletta | 2 |
| 186 | 94 | 141 | - | - | Rck35 p0 | traverso cap | 2 |
| 187 | 95 | 96 | - | - | C45/55 | cap | 0.5 |
| 188 | 96 | 97 | - | - | C45/55 | cap | 0.5 |
| 189 | 97 | 98 | - | - | C45/55 | cap | 0.5 |
| 190 | 98 | 99 | - | - | C45/55 | cap | 0.5 |
| 191 | 99 | 100 | - | - | C45/55 | cap | 0.5 |
| 192 | 100 | 101 | - | - | C45/55 | cap | 0.5 |
| 193 | 101 | 102 | - | - | C45/55 | cap | 0.5 |
| 194 | 102 | 103 | - | - | C45/55 | cap | 0.5 |
| 195 | 103 | 104 | - | - | C45/55 | cap | 0.5 |
| 196 | 104 | 105 | - | - | C45/55 | cap | 0.5 |
| 197 | 105 | 106 | - | - | C45/55 | cap | 0.5 |
| 198 | 106 | 107 | - | - | C45/55 | cap | 0.5 |
| 199 | 107 | 108 | - | - | C45/55 | cap | 0.5 |
| 200 | 108 | 109 | - | - | C45/55 | cap | 0.5 |
| 201 | 109 | 110 | - | - | C45/55 | cap | 0.5 |
| 202 | 110 | 111 | - | - | C45/55 | cap | 0.5 |
| 203 | 111 | 112 | - | - | C45/55 | cap | 0.5 |
| 204 | 112 | 113 | - | - | C45/55 | cap | 0.5 |
| 205 | 113 | 114 | - | - | C45/55 | cap | 0.5 |
| 206 | 114 | 115 | - | - | C45/55 | cap | 0.5 |
| 207 | 115 | 116 | - | - | C45/55 | cap | 0.5 |
| 208 | 116 | 117 | - | - | C45/55 | cap | 0.5 |
| 209 | 117 | 118 | - | - | C45/55 | cap | 0.5 |
| 210 | 118 | 119 | - | - | C45/55 | cap | 0.5 |
| 211 | 119 | 120 | - | - | C45/55 | cap | 0.5 |
| 212 | 120 | 121 | - | - | C45/55 | cap | 0.5 |
| 213 | 121 | 122 | - | - | C45/55 | cap | 0.5 |
| 214 | 122 | 123 | - | - | C45/55 | cap | 0.5 |
| 215 | 123 | 124 | - | - | C45/55 | cap | 0.5 |
| 216 | 124 | 125 | - | - | C45/55 | cap | 0.5 |
| 217 | 125 | 126 | - | - | C45/55 | cap | 0.5 |
| 218 | 126 | 127 | - | - | C45/55 | cap | 0.5 |
| 219 | 127 | 128 | - | - | C45/55 | cap | 0.5 |
| 220 | 128 | 129 | - | - | C45/55 | cap | 0.5 |
| 221 | 129 | 130 | - | - | C45/55 | cap | 0.5 |
| 222 | 130 | 131 | - | - | C45/55 | cap | 0.5 |
| 223 | 131 | 132 | - | - | C45/55 | cap | 0.5 |
| 224 | 132 | 133 | - | - | C45/55 | cap | 0.5 |
| 225 | 133 | 134 | - | - | C45/55 | cap | 0.5 |
| 226 | 134 | 135 | - | - | C45/55 | cap | 0.5 |
| 227 | 135 | 136 | - | - | C45/55 | cap | 0.5 |
| 228 | 136 | 137 | - | - | C45/55 | cap | 0.5 |
| 229 | 137 | 138 | - | - | C45/55 | cap | 0.5 |
| 230 | 138 | 139 | - | - | C45/55 | cap | 0.5 |
| 231 | 139 | 140 | - | - | C45/55 | cap | 0.5 |
| 232 | 140 | 141 | - | - | C45/55 | cap | 0.5 |
| 233 | 95 | 142 | - | - | Rck35 p0 | traverso cap | 2 |
| 234 | 96 | 143 | - | - | Rck35 p0 | soletta | 2 |
| 235 | 97 | 144 | - | - | Rck35 p0 | soletta | 2 |
| 236 | 98 | 145 | - | - | Rck35 p0 | soletta | 2 |
| 237 | 99 | 146 | - | - | Rck35 p0 | soletta | 2 |
| 238 | 100 | 147 | - | - | Rck35 p0 | soletta | 2 |
| 239 | 101 | 148 | - | - | Rck35 p0 | soletta | 2 |
| 240 | 102 | 149 | - | - | Rck35 p0 | soletta | 2 |
| 241 | 103 | 150 | - | - | Rck35 p0 | soletta | 2 |
| 242 | 104 | 151 | - | - | Rck35 p0 | soletta | 2 |
| 243 | 105 | 152 | - | - | Rck35 p0 | soletta | 2 |
| 244 | 106 | 153 | - | - | Rck35 p0 | soletta | 2 |
| 245 | 107 | 154 | - | - | Rck35 p0 | soletta | 2 |
| 246 | 108 | 155 | - | - | Rck35 p0 | soletta | 2 |
| 247 | 109 | 156 | - | - | Rck35 p0 | soletta | 2 |
| 248 | 110 | 157 | - | - | Rck35 p0 | soletta | 2 |
| 249 | 111 | 158 | - | - | Rck35 p0 | soletta | 2 |
| 250 | 112 | 159 | - | - | Rck35 p0 | soletta | 2 |
| 251 | 113 | 160 | - | - | Rck35 p0 | soletta | 2 |
| 252 | 114 | 161 | - | - | Rck35 p0 | soletta | 2 |
| 253 | 115 | 162 | - | - | Rck35 p0 | soletta | 2 |
| 254 | 116 | 163 | - | - | Rck35 p0 | soletta | 2 |
| 255 | 117 | 164 | - | - | Rck35 p0 | soletta | 2 |
| 256 | 118 | 165 | - | - | Rck35 p0 | soletta | 2 |
| 257 | 119 | 166 | - | - | Rck35 p0 | soletta | 2 |
| 258 | 120 | 167 | - | - | Rck35 p0 | soletta | 2 |
| 259 | 121 | 168 | - | - | Rck35 p0 | soletta | 2 |
| 260 | 122 | 169 | - | - | Rck35 p0 | soletta | 2 |
| 261 | 123 | 170 | - | - | Rck35 p0 | soletta | 2 |
| 262 | 124 | 171 | - | - | Rck35 p0 | soletta | 2 |
| 263 | 125 | 172 | - | - | Rck35 p0 | soletta | 2 |
| 264 | 126 | 173 | - | - | Rck35 p0 | soletta | 2 |
| 265 | 127 | 174 | - | - | Rck35 p0 | soletta | 2 |
| 266 | 128 | 175 | - | - | Rck35 p0 | soletta | 2 |
| 267 | 129 | 176 | - | - | Rck35 p0 | soletta | 2 |
| 268 | 130 | 177 | - | - | Rck35 p0 | soletta | 2 |
| 269 | 131 | 178 | - | - | Rck35 p0 | soletta | 2 |
| 270 | 132 | 179 | - | - | Rck35 p0 | soletta | 2 |
| 271 | 133 | 180 | - | - | Rck35 p0 | soletta | 2 |
| 272 | 134 | 181 | - | - | Rck35 p0 | soletta | 2 |
| 273 | 135 | 182 | - | - | Rck35 p0 | soletta | 2 |
| 274 | 136 | 183 | - | - | Rck35 p0 | soletta | 2 |
| 275 | 137 | 184 | - | - | Rck35 p0 | soletta | 2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|-----|
| 276 | 138 | 185 | - | - | Rck35 p0 | soletta | 2 |
| 277 | 139 | 186 | - | - | Rck35 p0 | soletta | 2 |
| 278 | 140 | 187 | - | - | Rck35 p0 | soletta | 2 |
| 279 | 141 | 188 | - | - | Rck35 p0 | traverso cap | 2 |
| 280 | 142 | 143 | - | - | C45/55 | cap | 0.5 |
| 281 | 143 | 144 | - | - | C45/55 | cap | 0.5 |
| 282 | 144 | 145 | - | - | C45/55 | cap | 0.5 |
| 283 | 145 | 146 | - | - | C45/55 | cap | 0.5 |
| 284 | 146 | 147 | - | - | C45/55 | cap | 0.5 |
| 285 | 147 | 148 | - | - | C45/55 | cap | 0.5 |
| 286 | 148 | 149 | - | - | C45/55 | cap | 0.5 |
| 287 | 149 | 150 | - | - | C45/55 | cap | 0.5 |
| 288 | 150 | 151 | - | - | C45/55 | cap | 0.5 |
| 289 | 151 | 152 | - | - | C45/55 | cap | 0.5 |
| 290 | 152 | 153 | - | - | C45/55 | cap | 0.5 |
| 291 | 153 | 154 | - | - | C45/55 | cap | 0.5 |
| 292 | 154 | 155 | - | - | C45/55 | cap | 0.5 |
| 293 | 155 | 156 | - | - | C45/55 | cap | 0.5 |
| 294 | 156 | 157 | - | - | C45/55 | cap | 0.5 |
| 295 | 157 | 158 | - | - | C45/55 | cap | 0.5 |
| 296 | 158 | 159 | - | - | C45/55 | cap | 0.5 |
| 297 | 159 | 160 | - | - | C45/55 | cap | 0.5 |
| 298 | 160 | 161 | - | - | C45/55 | cap | 0.5 |
| 299 | 161 | 162 | - | - | C45/55 | cap | 0.5 |
| 300 | 162 | 163 | - | - | C45/55 | cap | 0.5 |
| 301 | 163 | 164 | - | - | C45/55 | cap | 0.5 |
| 302 | 164 | 165 | - | - | C45/55 | cap | 0.5 |
| 303 | 165 | 166 | - | - | C45/55 | cap | 0.5 |
| 304 | 166 | 167 | - | - | C45/55 | cap | 0.5 |
| 305 | 167 | 168 | - | - | C45/55 | cap | 0.5 |
| 306 | 168 | 169 | - | - | C45/55 | cap | 0.5 |
| 307 | 169 | 170 | - | - | C45/55 | cap | 0.5 |
| 308 | 170 | 171 | - | - | C45/55 | cap | 0.5 |
| 309 | 171 | 172 | - | - | C45/55 | cap | 0.5 |
| 310 | 172 | 173 | - | - | C45/55 | cap | 0.5 |
| 311 | 173 | 174 | - | - | C45/55 | cap | 0.5 |
| 312 | 174 | 175 | - | - | C45/55 | cap | 0.5 |
| 313 | 175 | 176 | - | - | C45/55 | cap | 0.5 |
| 314 | 176 | 177 | - | - | C45/55 | cap | 0.5 |
| 315 | 177 | 178 | - | - | C45/55 | cap | 0.5 |
| 316 | 178 | 179 | - | - | C45/55 | cap | 0.5 |
| 317 | 179 | 180 | - | - | C45/55 | cap | 0.5 |
| 318 | 180 | 181 | - | - | C45/55 | cap | 0.5 |
| 319 | 181 | 182 | - | - | C45/55 | cap | 0.5 |
| 320 | 182 | 183 | - | - | C45/55 | cap | 0.5 |
| 321 | 183 | 184 | - | - | C45/55 | cap | 0.5 |
| 322 | 184 | 185 | - | - | C45/55 | cap | 0.5 |
| 323 | 185 | 186 | - | - | C45/55 | cap | 0.5 |
| 324 | 186 | 187 | - | - | C45/55 | cap | 0.5 |
| 325 | 187 | 188 | - | - | C45/55 | cap | 0.5 |
| 326 | 142 | 189 | - | - | Rck35 p0 | traverso cap | 2 |
| 327 | 143 | 190 | - | - | Rck35 p0 | soletta | 2 |
| 328 | 144 | 191 | - | - | Rck35 p0 | soletta | 2 |
| 329 | 145 | 192 | - | - | Rck35 p0 | soletta | 2 |
| 330 | 146 | 193 | - | - | Rck35 p0 | soletta | 2 |
| 331 | 147 | 194 | - | - | Rck35 p0 | soletta | 2 |
| 332 | 148 | 195 | - | - | Rck35 p0 | soletta | 2 |
| 333 | 149 | 196 | - | - | Rck35 p0 | soletta | 2 |
| 334 | 150 | 197 | - | - | Rck35 p0 | soletta | 2 |
| 335 | 151 | 198 | - | - | Rck35 p0 | soletta | 2 |
| 336 | 152 | 199 | - | - | Rck35 p0 | soletta | 2 |
| 337 | 153 | 200 | - | - | Rck35 p0 | soletta | 2 |
| 338 | 154 | 201 | - | - | Rck35 p0 | soletta | 2 |
| 339 | 155 | 202 | - | - | Rck35 p0 | soletta | 2 |
| 340 | 156 | 203 | - | - | Rck35 p0 | soletta | 2 |
| 341 | 157 | 204 | - | - | Rck35 p0 | soletta | 2 |
| 342 | 158 | 205 | - | - | Rck35 p0 | soletta | 2 |
| 343 | 159 | 206 | - | - | Rck35 p0 | soletta | 2 |
| 344 | 160 | 207 | - | - | Rck35 p0 | soletta | 2 |
| 345 | 161 | 208 | - | - | Rck35 p0 | soletta | 2 |
| 346 | 162 | 209 | - | - | Rck35 p0 | soletta | 2 |
| 347 | 163 | 210 | - | - | Rck35 p0 | soletta | 2 |
| 348 | 164 | 211 | - | - | Rck35 p0 | soletta | 2 |
| 349 | 165 | 212 | - | - | Rck35 p0 | soletta | 2 |
| 350 | 166 | 213 | - | - | Rck35 p0 | soletta | 2 |
| 351 | 167 | 214 | - | - | Rck35 p0 | soletta | 2 |
| 352 | 168 | 215 | - | - | Rck35 p0 | soletta | 2 |
| 353 | 169 | 216 | - | - | Rck35 p0 | soletta | 2 |
| 354 | 170 | 217 | - | - | Rck35 p0 | soletta | 2 |
| 355 | 171 | 218 | - | - | Rck35 p0 | soletta | 2 |
| 356 | 172 | 219 | - | - | Rck35 p0 | soletta | 2 |
| 357 | 173 | 220 | - | - | Rck35 p0 | soletta | 2 |
| 358 | 174 | 221 | - | - | Rck35 p0 | soletta | 2 |
| 359 | 175 | 222 | - | - | Rck35 p0 | soletta | 2 |
| 360 | 176 | 223 | - | - | Rck35 p0 | soletta | 2 |
| 361 | 177 | 224 | - | - | Rck35 p0 | soletta | 2 |
| 362 | 178 | 225 | - | - | Rck35 p0 | soletta | 2 |
| 363 | 179 | 226 | - | - | Rck35 p0 | soletta | 2 |
| 364 | 180 | 227 | - | - | Rck35 p0 | soletta | 2 |
| 365 | 181 | 228 | - | - | Rck35 p0 | soletta | 2 |
| 366 | 182 | 229 | - | - | Rck35 p0 | soletta | 2 |
| 367 | 183 | 230 | - | - | Rck35 p0 | soletta | 2 |
| 368 | 184 | 231 | - | - | Rck35 p0 | soletta | 2 |
| 369 | 185 | 232 | - | - | Rck35 p0 | soletta | 2 |
| 370 | 186 | 233 | - | - | Rck35 p0 | soletta | 2 |
| 371 | 187 | 234 | - | - | Rck35 p0 | soletta | 2 |
| 372 | 188 | 235 | - | - | Rck35 p0 | traverso cap | 2 |
| 373 | 189 | 190 | - | - | C45/55 | cap | 0.5 |
| 374 | 190 | 191 | - | - | C45/55 | cap | 0.5 |
| 375 | 191 | 192 | - | - | C45/55 | cap | 0.5 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|-----|
| 376 | 192 | 193 | - | - | C45/55 | cap | 0.5 |
| 377 | 193 | 194 | - | - | C45/55 | cap | 0.5 |
| 378 | 194 | 195 | - | - | C45/55 | cap | 0.5 |
| 379 | 195 | 196 | - | - | C45/55 | cap | 0.5 |
| 380 | 196 | 197 | - | - | C45/55 | cap | 0.5 |
| 381 | 197 | 198 | - | - | C45/55 | cap | 0.5 |
| 382 | 198 | 199 | - | - | C45/55 | cap | 0.5 |
| 383 | 199 | 200 | - | - | C45/55 | cap | 0.5 |
| 384 | 200 | 201 | - | - | C45/55 | cap | 0.5 |
| 385 | 201 | 202 | - | - | C45/55 | cap | 0.5 |
| 386 | 202 | 203 | - | - | C45/55 | cap | 0.5 |
| 387 | 203 | 204 | - | - | C45/55 | cap | 0.5 |
| 388 | 204 | 205 | - | - | C45/55 | cap | 0.5 |
| 389 | 205 | 206 | - | - | C45/55 | cap | 0.5 |
| 390 | 206 | 207 | - | - | C45/55 | cap | 0.5 |
| 391 | 207 | 208 | - | - | C45/55 | cap | 0.5 |
| 392 | 208 | 209 | - | - | C45/55 | cap | 0.5 |
| 393 | 209 | 210 | - | - | C45/55 | cap | 0.5 |
| 394 | 210 | 211 | - | - | C45/55 | cap | 0.5 |
| 395 | 211 | 212 | - | - | C45/55 | cap | 0.5 |
| 396 | 212 | 213 | - | - | C45/55 | cap | 0.5 |
| 397 | 213 | 214 | - | - | C45/55 | cap | 0.5 |
| 398 | 214 | 215 | - | - | C45/55 | cap | 0.5 |
| 399 | 215 | 216 | - | - | C45/55 | cap | 0.5 |
| 400 | 216 | 217 | - | - | C45/55 | cap | 0.5 |
| 401 | 217 | 218 | - | - | C45/55 | cap | 0.5 |
| 402 | 218 | 219 | - | - | C45/55 | cap | 0.5 |
| 403 | 219 | 220 | - | - | C45/55 | cap | 0.5 |
| 404 | 220 | 221 | - | - | C45/55 | cap | 0.5 |
| 405 | 221 | 222 | - | - | C45/55 | cap | 0.5 |
| 406 | 222 | 223 | - | - | C45/55 | cap | 0.5 |
| 407 | 223 | 224 | - | - | C45/55 | cap | 0.5 |
| 408 | 224 | 225 | - | - | C45/55 | cap | 0.5 |
| 409 | 225 | 226 | - | - | C45/55 | cap | 0.5 |
| 410 | 226 | 227 | - | - | C45/55 | cap | 0.5 |
| 411 | 227 | 228 | - | - | C45/55 | cap | 0.5 |
| 412 | 228 | 229 | - | - | C45/55 | cap | 0.5 |
| 413 | 229 | 230 | - | - | C45/55 | cap | 0.5 |
| 414 | 230 | 231 | - | - | C45/55 | cap | 0.5 |
| 415 | 231 | 232 | - | - | C45/55 | cap | 0.5 |
| 416 | 232 | 233 | - | - | C45/55 | cap | 0.5 |
| 417 | 233 | 234 | - | - | C45/55 | cap | 0.5 |
| 418 | 234 | 235 | - | - | C45/55 | cap | 0.5 |
| 419 | 189 | 236 | - | - | Rck35 p0 | traverso cap | 2 |
| 420 | 190 | 237 | - | - | Rck35 p0 | soletta | 2 |
| 421 | 191 | 238 | - | - | Rck35 p0 | soletta | 2 |
| 422 | 192 | 239 | - | - | Rck35 p0 | soletta | 2 |
| 423 | 193 | 240 | - | - | Rck35 p0 | soletta | 2 |
| 424 | 194 | 241 | - | - | Rck35 p0 | soletta | 2 |
| 425 | 195 | 242 | - | - | Rck35 p0 | soletta | 2 |
| 426 | 196 | 243 | - | - | Rck35 p0 | soletta | 2 |
| 427 | 197 | 244 | - | - | Rck35 p0 | soletta | 2 |
| 428 | 198 | 245 | - | - | Rck35 p0 | soletta | 2 |
| 429 | 199 | 246 | - | - | Rck35 p0 | soletta | 2 |
| 430 | 200 | 247 | - | - | Rck35 p0 | soletta | 2 |
| 431 | 201 | 248 | - | - | Rck35 p0 | soletta | 2 |
| 432 | 202 | 249 | - | - | Rck35 p0 | soletta | 2 |
| 433 | 203 | 250 | - | - | Rck35 p0 | soletta | 2 |
| 434 | 204 | 251 | - | - | Rck35 p0 | soletta | 2 |
| 435 | 205 | 252 | - | - | Rck35 p0 | soletta | 2 |
| 436 | 206 | 253 | - | - | Rck35 p0 | soletta | 2 |
| 437 | 207 | 254 | - | - | Rck35 p0 | soletta | 2 |
| 438 | 208 | 255 | - | - | Rck35 p0 | soletta | 2 |
| 439 | 209 | 256 | - | - | Rck35 p0 | soletta | 2 |
| 440 | 210 | 257 | - | - | Rck35 p0 | soletta | 2 |
| 441 | 211 | 258 | - | - | Rck35 p0 | soletta | 2 |
| 442 | 212 | 259 | - | - | Rck35 p0 | soletta | 2 |
| 443 | 213 | 260 | - | - | Rck35 p0 | soletta | 2 |
| 444 | 214 | 261 | - | - | Rck35 p0 | soletta | 2 |
| 445 | 215 | 262 | - | - | Rck35 p0 | soletta | 2 |
| 446 | 216 | 263 | - | - | Rck35 p0 | soletta | 2 |
| 447 | 217 | 264 | - | - | Rck35 p0 | soletta | 2 |
| 448 | 218 | 265 | - | - | Rck35 p0 | soletta | 2 |
| 449 | 219 | 266 | - | - | Rck35 p0 | soletta | 2 |
| 450 | 220 | 267 | - | - | Rck35 p0 | soletta | 2 |
| 451 | 221 | 268 | - | - | Rck35 p0 | soletta | 2 |
| 452 | 222 | 269 | - | - | Rck35 p0 | soletta | 2 |
| 453 | 223 | 270 | - | - | Rck35 p0 | soletta | 2 |
| 454 | 224 | 271 | - | - | Rck35 p0 | soletta | 2 |
| 455 | 225 | 272 | - | - | Rck35 p0 | soletta | 2 |
| 456 | 226 | 273 | - | - | Rck35 p0 | soletta | 2 |
| 457 | 227 | 274 | - | - | Rck35 p0 | soletta | 2 |
| 458 | 228 | 275 | - | - | Rck35 p0 | soletta | 2 |
| 459 | 229 | 276 | - | - | Rck35 p0 | soletta | 2 |
| 460 | 230 | 277 | - | - | Rck35 p0 | soletta | 2 |
| 461 | 231 | 278 | - | - | Rck35 p0 | soletta | 2 |
| 462 | 232 | 279 | - | - | Rck35 p0 | soletta | 2 |
| 463 | 233 | 280 | - | - | Rck35 p0 | soletta | 2 |
| 464 | 234 | 281 | - | - | Rck35 p0 | soletta | 2 |
| 465 | 235 | 282 | - | - | Rck35 p0 | traverso cap | 2 |
| 466 | 236 | 237 | - | - | C45/55 | cap | 0.5 |
| 467 | 237 | 238 | - | - | C45/55 | cap | 0.5 |
| 468 | 238 | 239 | - | - | C45/55 | cap | 0.5 |
| 469 | 239 | 240 | - | - | C45/55 | cap | 0.5 |
| 470 | 240 | 241 | - | - | C45/55 | cap | 0.5 |
| 471 | 241 | 242 | - | - | C45/55 | cap | 0.5 |
| 472 | 242 | 243 | - | - | C45/55 | cap | 0.5 |
| 473 | 243 | 244 | - | - | C45/55 | cap | 0.5 |
| 474 | 244 | 245 | - | - | C45/55 | cap | 0.5 |
| 475 | 245 | 246 | - | - | C45/55 | cap | 0.5 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|--------------|------|
| 476 | 246 | 247 | - | - | C45/55 | cap | 0.5 |
| 477 | 247 | 248 | - | - | C45/55 | cap | 0.5 |
| 478 | 248 | 249 | - | - | C45/55 | cap | 0.5 |
| 479 | 249 | 250 | - | - | C45/55 | cap | 0.5 |
| 480 | 250 | 251 | - | - | C45/55 | cap | 0.5 |
| 481 | 251 | 252 | - | - | C45/55 | cap | 0.5 |
| 482 | 252 | 253 | - | - | C45/55 | cap | 0.5 |
| 483 | 253 | 254 | - | - | C45/55 | cap | 0.5 |
| 484 | 254 | 255 | - | - | C45/55 | cap | 0.5 |
| 485 | 255 | 256 | - | - | C45/55 | cap | 0.5 |
| 486 | 256 | 257 | - | - | C45/55 | cap | 0.5 |
| 487 | 257 | 258 | - | - | C45/55 | cap | 0.5 |
| 488 | 258 | 259 | - | - | C45/55 | cap | 0.5 |
| 489 | 259 | 260 | - | - | C45/55 | cap | 0.5 |
| 490 | 260 | 261 | - | - | C45/55 | cap | 0.5 |
| 491 | 261 | 262 | - | - | C45/55 | cap | 0.5 |
| 492 | 262 | 263 | - | - | C45/55 | cap | 0.5 |
| 493 | 263 | 264 | - | - | C45/55 | cap | 0.5 |
| 494 | 264 | 265 | - | - | C45/55 | cap | 0.5 |
| 495 | 265 | 266 | - | - | C45/55 | cap | 0.5 |
| 496 | 266 | 267 | - | - | C45/55 | cap | 0.5 |
| 497 | 267 | 268 | - | - | C45/55 | cap | 0.5 |
| 498 | 268 | 269 | - | - | C45/55 | cap | 0.5 |
| 499 | 269 | 270 | - | - | C45/55 | cap | 0.5 |
| 500 | 270 | 271 | - | - | C45/55 | cap | 0.5 |
| 501 | 271 | 272 | - | - | C45/55 | cap | 0.5 |
| 502 | 272 | 273 | - | - | C45/55 | cap | 0.5 |
| 503 | 273 | 274 | - | - | C45/55 | cap | 0.5 |
| 504 | 274 | 275 | - | - | C45/55 | cap | 0.5 |
| 505 | 275 | 276 | - | - | C45/55 | cap | 0.5 |
| 506 | 276 | 277 | - | - | C45/55 | cap | 0.5 |
| 507 | 277 | 278 | - | - | C45/55 | cap | 0.5 |
| 508 | 278 | 279 | - | - | C45/55 | cap | 0.5 |
| 509 | 279 | 280 | - | - | C45/55 | cap | 0.5 |
| 510 | 280 | 281 | - | - | C45/55 | cap | 0.5 |
| 511 | 281 | 282 | - | - | C45/55 | cap | 0.5 |
| 512 | 236 | 424 | - | - | S355 | traverso cap | 1 |
| 513 | 237 | 284 | - | - | Rck35 p0 | soletta | 2.2 |
| 514 | 238 | 285 | - | - | Rck35 p0 | soletta | 2.2 |
| 515 | 239 | 286 | - | - | Rck35 p0 | soletta | 2.2 |
| 516 | 240 | 287 | - | - | Rck35 p0 | soletta | 2.2 |
| 517 | 241 | 288 | - | - | Rck35 p0 | soletta | 2.2 |
| 518 | 242 | 289 | - | - | Rck35 p0 | soletta | 2.2 |
| 519 | 243 | 290 | - | - | Rck35 p0 | soletta | 2.2 |
| 520 | 244 | 291 | - | - | Rck35 p0 | soletta | 2.2 |
| 521 | 245 | 292 | - | - | Rck35 p0 | soletta | 2.2 |
| 522 | 246 | 293 | - | - | Rck35 p0 | soletta | 2.2 |
| 523 | 247 | 294 | - | - | Rck35 p0 | soletta | 2.2 |
| 524 | 248 | 295 | - | - | Rck35 p0 | soletta | 2.2 |
| 525 | 249 | 296 | - | - | Rck35 p0 | soletta | 2.2 |
| 526 | 250 | 297 | - | - | Rck35 p0 | soletta | 2.2 |
| 527 | 251 | 298 | - | - | Rck35 p0 | soletta | 2.2 |
| 528 | 252 | 299 | - | - | Rck35 p0 | soletta | 2.2 |
| 529 | 253 | 300 | - | - | Rck35 p0 | soletta | 2.2 |
| 530 | 254 | 301 | - | - | Rck35 p0 | soletta | 2.2 |
| 531 | 255 | 302 | - | - | Rck35 p0 | soletta | 2.2 |
| 532 | 256 | 303 | - | - | Rck35 p0 | soletta | 2.2 |
| 533 | 257 | 304 | - | - | Rck35 p0 | soletta | 2.2 |
| 534 | 258 | 305 | - | - | Rck35 p0 | soletta | 2.2 |
| 535 | 259 | 306 | - | - | Rck35 p0 | soletta | 2.2 |
| 536 | 260 | 307 | - | - | Rck35 p0 | soletta | 2.2 |
| 537 | 261 | 308 | - | - | Rck35 p0 | soletta | 2.2 |
| 538 | 262 | 309 | - | - | Rck35 p0 | soletta | 2.2 |
| 539 | 263 | 310 | - | - | Rck35 p0 | soletta | 2.2 |
| 540 | 264 | 311 | - | - | Rck35 p0 | soletta | 2.2 |
| 541 | 265 | 312 | - | - | Rck35 p0 | soletta | 2.2 |
| 542 | 266 | 313 | - | - | Rck35 p0 | soletta | 2.2 |
| 543 | 267 | 314 | - | - | Rck35 p0 | soletta | 2.2 |
| 544 | 268 | 315 | - | - | Rck35 p0 | soletta | 2.2 |
| 545 | 269 | 316 | - | - | Rck35 p0 | soletta | 2.2 |
| 546 | 270 | 317 | - | - | Rck35 p0 | soletta | 2.2 |
| 547 | 271 | 318 | - | - | Rck35 p0 | soletta | 2.2 |
| 548 | 272 | 319 | - | - | Rck35 p0 | soletta | 2.2 |
| 549 | 273 | 320 | - | - | Rck35 p0 | soletta | 2.2 |
| 550 | 274 | 321 | - | - | Rck35 p0 | soletta | 2.2 |
| 551 | 275 | 322 | - | - | Rck35 p0 | soletta | 2.2 |
| 552 | 276 | 323 | - | - | Rck35 p0 | soletta | 2.2 |
| 553 | 277 | 324 | - | - | Rck35 p0 | soletta | 2.2 |
| 554 | 278 | 325 | - | - | Rck35 p0 | soletta | 2.2 |
| 555 | 279 | 326 | - | - | Rck35 p0 | soletta | 2.2 |
| 556 | 280 | 327 | - | - | Rck35 p0 | soletta | 2.2 |
| 557 | 281 | 328 | - | - | Rck35 p0 | soletta | 2.2 |
| 558 | 282 | 425 | - | - | S355 | traverso cap | 1 |
| 559 | 330 | 1 | - | - | Rck35 p0 | traverso cap | 1.25 |
| 560 | 331 | 2 | - | - | Rck35 p0 | soletta | 1.25 |
| 561 | 332 | 3 | - | - | Rck35 p0 | soletta | 1.25 |
| 562 | 333 | 4 | - | - | Rck35 p0 | soletta | 1.25 |
| 563 | 334 | 5 | - | - | Rck35 p0 | soletta | 1.25 |
| 564 | 335 | 6 | - | - | Rck35 p0 | soletta | 1.25 |
| 565 | 336 | 7 | - | - | Rck35 p0 | soletta | 1.25 |
| 566 | 337 | 8 | - | - | Rck35 p0 | soletta | 1.25 |
| 567 | 338 | 9 | - | - | Rck35 p0 | soletta | 1.25 |
| 568 | 339 | 10 | - | - | Rck35 p0 | soletta | 1.25 |
| 569 | 340 | 11 | - | - | Rck35 p0 | soletta | 1.25 |
| 570 | 341 | 12 | - | - | Rck35 p0 | soletta | 1.25 |
| 571 | 342 | 13 | - | - | Rck35 p0 | soletta | 1.25 |
| 572 | 343 | 14 | - | - | Rck35 p0 | soletta | 1.25 |
| 573 | 344 | 15 | - | - | Rck35 p0 | soletta | 1.25 |
| 574 | 345 | 16 | - | - | Rck35 p0 | soletta | 1.25 |
| 575 | 346 | 17 | - | - | Rck35 p0 | soletta | 1.25 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|----------------------|------|
| 576 | 347 | 18 | - | - | Rck35 p0 | soletta | 1.25 |
| 577 | 348 | 19 | - | - | Rck35 p0 | soletta | 1.25 |
| 578 | 349 | 20 | - | - | Rck35 p0 | soletta | 1.25 |
| 579 | 350 | 21 | - | - | Rck35 p0 | soletta | 1.25 |
| 580 | 351 | 22 | - | - | Rck35 p0 | soletta | 1.25 |
| 581 | 352 | 23 | - | - | Rck35 p0 | soletta | 1.25 |
| 582 | 353 | 24 | - | - | Rck35 p0 | soletta | 1.25 |
| 583 | 354 | 25 | - | - | Rck35 p0 | soletta | 1.25 |
| 584 | 355 | 26 | - | - | Rck35 p0 | soletta | 1.25 |
| 585 | 356 | 27 | - | - | Rck35 p0 | soletta | 1.25 |
| 586 | 357 | 28 | - | - | Rck35 p0 | soletta | 1.25 |
| 587 | 358 | 29 | - | - | Rck35 p0 | soletta | 1.25 |
| 588 | 359 | 30 | - | - | Rck35 p0 | soletta | 1.25 |
| 589 | 360 | 31 | - | - | Rck35 p0 | soletta | 1.25 |
| 590 | 361 | 32 | - | - | Rck35 p0 | soletta | 1.25 |
| 591 | 362 | 33 | - | - | Rck35 p0 | soletta | 1.25 |
| 592 | 363 | 34 | - | - | Rck35 p0 | soletta | 1.25 |
| 593 | 364 | 35 | - | - | Rck35 p0 | soletta | 1.25 |
| 594 | 365 | 36 | - | - | Rck35 p0 | soletta | 1.25 |
| 595 | 366 | 37 | - | - | Rck35 p0 | soletta | 1.25 |
| 596 | 367 | 38 | - | - | Rck35 p0 | soletta | 1.25 |
| 597 | 368 | 39 | - | - | Rck35 p0 | soletta | 1.25 |
| 598 | 369 | 40 | - | - | Rck35 p0 | soletta | 1.25 |
| 599 | 370 | 41 | - | - | Rck35 p0 | soletta | 1.25 |
| 600 | 371 | 42 | - | - | Rck35 p0 | soletta | 1.25 |
| 601 | 372 | 43 | - | - | Rck35 p0 | soletta | 1.25 |
| 602 | 373 | 44 | - | - | Rck35 p0 | soletta | 1.25 |
| 603 | 374 | 45 | - | - | Rck35 p0 | soletta | 1.25 |
| 604 | 375 | 46 | - | - | Rck35 p0 | soletta | 1.25 |
| 605 | 376 | 47 | - | - | Rck35 p0 | soletta | 1.25 |
| 606 | 283 | 284 | - | - | S355 | traverso cap scat | 0.5 |
| 607 | 284 | 285 | - | - | S355 | scat | 0.5 |
| 608 | 285 | 286 | - | - | S355 | scat | 0.5 |
| 609 | 286 | 287 | - | - | S355 | scat | 0.5 |
| 610 | 287 | 288 | - | - | S355 | scat | 0.5 |
| 611 | 288 | 289 | - | - | S355 | scat | 0.5 |
| 612 | 289 | 290 | - | - | S355 | scat | 0.5 |
| 613 | 290 | 291 | - | - | S355 | scat | 0.5 |
| 614 | 291 | 292 | - | - | S355 | scat | 0.5 |
| 615 | 292 | 293 | - | - | S355 | scat | 0.5 |
| 616 | 293 | 294 | - | - | S355 | scat | 0.5 |
| 617 | 294 | 295 | - | - | S355 | scat | 0.5 |
| 618 | 295 | 296 | - | - | S355 | scat | 0.5 |
| 619 | 296 | 297 | - | - | S355 | scat | 0.5 |
| 620 | 297 | 298 | - | - | S355 | scat | 0.5 |
| 621 | 298 | 299 | - | - | S355 | scat | 0.5 |
| 622 | 299 | 300 | - | - | S355 | scat | 0.5 |
| 623 | 300 | 301 | - | - | S355 | scat | 0.5 |
| 624 | 301 | 302 | - | - | S355 | scat | 0.5 |
| 625 | 302 | 303 | - | - | S355 | scat | 0.5 |
| 626 | 303 | 304 | - | - | S355 | scat | 0.5 |
| 627 | 304 | 305 | - | - | S355 | scat | 0.5 |
| 628 | 305 | 306 | - | - | S355 | scat | 0.5 |
| 629 | 306 | 307 | - | - | S355 | scat | 0.5 |
| 630 | 307 | 308 | - | - | S355 | scat | 0.5 |
| 631 | 308 | 309 | - | - | S355 | scat | 0.5 |
| 632 | 309 | 310 | - | - | S355 | scat | 0.5 |
| 633 | 310 | 311 | - | - | S355 | scat | 0.5 |
| 634 | 311 | 312 | - | - | S355 | scat | 0.5 |
| 635 | 312 | 313 | - | - | S355 | scat | 0.5 |
| 636 | 313 | 314 | - | - | S355 | scat | 0.5 |
| 637 | 314 | 315 | - | - | S355 | scat | 0.5 |
| 638 | 315 | 316 | - | - | S355 | scat | 0.5 |
| 639 | 316 | 317 | - | - | S355 | scat | 0.5 |
| 640 | 317 | 318 | - | - | S355 | scat | 0.5 |
| 641 | 318 | 319 | - | - | S355 | scat | 0.5 |
| 642 | 319 | 320 | - | - | S355 | scat | 0.5 |
| 643 | 320 | 321 | - | - | S355 | scat | 0.5 |
| 644 | 321 | 322 | - | - | S355 | scat | 0.5 |
| 645 | 322 | 323 | - | - | S355 | scat | 0.5 |
| 646 | 323 | 324 | - | - | S355 | scat | 0.5 |
| 647 | 324 | 325 | - | - | S355 | scat | 0.5 |
| 648 | 325 | 326 | - | - | S355 | scat | 0.5 |
| 649 | 326 | 327 | - | - | S355 | scat | 0.5 |
| 650 | 327 | 328 | - | - | S355 | scat | 0.5 |
| 651 | 328 | 329 | - | - | S355 | scat | 0.5 |
| 652 | 283 | 377 | - | - | S355 | traverso scat | 1.85 |
| 653 | 284 | 378 | - | - | Rck35 p0 | soletta | 1.85 |
| 654 | 285 | 379 | - | - | Rck35 p0 | soletta | 1.85 |
| 655 | 286 | 380 | - | - | Rck35 p0 | soletta | 1.85 |
| 656 | 287 | 381 | - | - | Rck35 p0 | soletta | 1.85 |
| 657 | 288 | 382 | - | - | Rck35 p0 | soletta | 1.85 |
| 658 | 289 | 383 | - | - | Rck35 p0 | soletta | 1.85 |
| 659 | 290 | 384 | - | - | Rck35 p0 | soletta | 1.85 |
| 660 | 291 | 385 | - | - | Rck35 p0 | soletta | 1.85 |
| 661 | 292 | 386 | - | - | Rck35 p0 | soletta | 1.85 |
| 662 | 293 | 387 | - | - | Rck35 p0 | soletta | 1.85 |
| 663 | 294 | 388 | - | - | Rck35 p0 | soletta | 1.85 |
| 664 | 295 | 389 | - | - | Rck35 p0 | soletta | 1.85 |
| 665 | 296 | 390 | - | - | Rck35 p0 | soletta | 1.85 |
| 666 | 297 | 391 | - | - | Rck35 p0 | soletta | 1.85 |
| 667 | 298 | 392 | - | - | Rck35 p0 | soletta | 1.85 |
| 668 | 299 | 393 | - | - | Rck35 p0 | soletta | 1.85 |
| 669 | 300 | 394 | - | - | Rck35 p0 | soletta | 1.85 |
| 670 | 301 | 395 | - | - | Rck35 p0 | soletta | 1.85 |
| 671 | 302 | 396 | - | - | Rck35 p0 | soletta | 1.85 |
| 672 | 303 | 397 | - | - | Rck35 p0 | soletta | 1.85 |
| 673 | 304 | 398 | - | - | Rck35 p0 | soletta | 1.85 |
| 674 | 305 | 399 | - | - | Rck35 p0 | soletta | 1.85 |
| 675 | 306 | 400 | - | - | Rck35 p0 | soletta | 1.85 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|---|---|----------|----------|------|
| 676 | 307 | 401 | - | - | Rck35 p0 | soletta | 1.85 |
| 677 | 308 | 402 | - | - | Rck35 p0 | soletta | 1.85 |
| 678 | 309 | 403 | - | - | Rck35 p0 | soletta | 1.85 |
| 679 | 310 | 404 | - | - | Rck35 p0 | soletta | 1.85 |
| 680 | 311 | 405 | - | - | Rck35 p0 | soletta | 1.85 |
| 681 | 312 | 406 | - | - | Rck35 p0 | soletta | 1.85 |
| 682 | 313 | 407 | - | - | Rck35 p0 | soletta | 1.85 |
| 683 | 314 | 408 | - | - | Rck35 p0 | soletta | 1.85 |
| 684 | 315 | 409 | - | - | Rck35 p0 | soletta | 1.85 |
| 685 | 316 | 410 | - | - | Rck35 p0 | soletta | 1.85 |
| 686 | 317 | 411 | - | - | Rck35 p0 | soletta | 1.85 |
| 687 | 318 | 412 | - | - | Rck35 p0 | soletta | 1.85 |
| 688 | 319 | 413 | - | - | Rck35 p0 | soletta | 1.85 |
| 689 | 320 | 414 | - | - | Rck35 p0 | soletta | 1.85 |
| 690 | 321 | 415 | - | - | Rck35 p0 | soletta | 1.85 |
| 691 | 322 | 416 | - | - | Rck35 p0 | soletta | 1.85 |
| 692 | 323 | 417 | - | - | Rck35 p0 | soletta | 1.85 |
| 693 | 324 | 418 | - | - | Rck35 p0 | soletta | 1.85 |
| 694 | 325 | 419 | - | - | Rck35 p0 | soletta | 1.85 |
| 695 | 326 | 420 | - | - | Rck35 p0 | soletta | 1.85 |
| 696 | 327 | 421 | - | - | Rck35 p0 | soletta | 1.85 |
| 697 | 328 | 422 | - | - | Rck35 p0 | soletta | 1.85 |
| 698 | 329 | 423 | - | - | S355 | traverso | 1.85 |
| 699 | 424 | 283 | - | - | S355 | traverso | 1.2 |
| 700 | 425 | 329 | - | - | S355 | traverso | 1.2 |

*** TOTAL WEIGHT / VOLUME / SURFACE AREA SUMMARY

| SECTION NO | SECTION NAME | SURFACE AREA | VOLUMN | WEIGHT | FRAME NUMBER | TRUSS NUMBER |
|------------|--------------|--------------|--------|--------|--------------|--------------|
| 1 | cap | 1619 | 149.4 | 3517 | 276 | 0 |
| 2 | trave | 0 | 0 | 0 | 0 | 0 |
| 3 | soletta | 991.4 | 75.74 | 0 | 360 | 0 |
| 4 | traverso cap | 81.83 | 12.45 | 78.21 | 14 | 0 |
| 6 | traverso | 15.01 | 0.1476 | 11.36 | 4 | 0 |
| 7 | travel | 0 | 0 | 0 | 0 | 0 |
| 8 | travel | 0 | 0 | 0 | 0 | 0 |
| 9 | trave2 | 0 | 0 | 0 | 0 | 0 |
| 10 | scat | 207.9 | 4.25 | 327.2 | 46 | 0 |

*** LOAD DATA

; Self Weight, Nodal Load, Specified Displacement, Beam Load, Floor Load, Finishing Material Load, System Temperature, Nodal Temperature, Element Temperature, Beam Section Temperature, Wind Load, Static Seismic Load, Time History Analysis Data

[LOAD CASE : pp]

** SELF WEIGHT DATA

; X=0, Y=0, Z=-1

** BEAM LOAD DATA

| MEMBER | TYPE | DIR. | PROJ. | D1 | P1 | D2 | P2 | D3 | P3 | D4 | P4 |
|--------|--------------|------|-------|----|-------|----|-------|----|----|----|----|
| 606 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 607 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 608 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 609 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 610 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 611 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 612 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 613 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 614 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 615 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 616 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 617 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 618 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 619 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 620 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 621 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 622 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 623 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 624 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 625 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 626 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 627 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 628 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 629 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 630 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 631 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 632 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 633 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 634 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 635 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 636 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 637 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 638 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 639 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 640 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 641 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 642 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 643 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 644 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 645 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|----|----|---|-------|---|-------|---|---|---|---|
| 646 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 647 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 648 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 649 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 650 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |
| 651 | Uniform Load | GZ | NO | 0 | -10.2 | 1 | -10.2 | 0 | 0 | 0 | 0 |

[LOAD CASE : perm]

** BEAM LOAD DATA

| MEMBER | TYPE | DIR. | PROJ. | D1 | P1 | D2 | P2 | D3 | P3 | D4 | P4 |
|--------|--------------|------|-------|----|-----|----|-----|----|----|----|----|
| 1 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 2 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 3 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 4 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 5 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 6 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 7 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 8 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 9 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 10 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 11 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 12 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 13 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 14 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 15 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 16 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 17 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 18 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 19 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 20 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 21 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 22 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 23 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 24 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 25 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 26 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 27 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 28 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 29 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 30 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 31 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 32 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 33 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 34 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 35 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 36 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 37 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 38 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 39 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 40 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 41 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 42 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 43 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 44 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 45 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 46 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 94 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 95 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 96 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 97 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 98 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 99 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 100 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 101 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 102 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 103 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 104 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 105 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 106 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 107 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 108 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 109 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 110 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 111 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 112 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 113 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 114 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 115 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 116 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 117 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 118 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 119 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 120 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 121 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 122 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 123 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 124 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 125 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 126 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 127 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 128 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 129 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 130 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 131 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 132 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |
| 133 | Uniform Load | GZ | NO | 0 | -6 | 1 | -6 | 0 | 0 | 0 | 0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|----|----|---|-----|---|-----|---|---|---|---|
| 616 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 617 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 618 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 619 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 620 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 621 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 622 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 623 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 624 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 625 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 626 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 627 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 628 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 629 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 630 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 631 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 632 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 633 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 634 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 635 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 636 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 637 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 638 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 639 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 640 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 641 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 642 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 643 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 644 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 645 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 646 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 647 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 648 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 649 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 650 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |
| 651 | Uniform Load | GZ | NO | 0 | -11 | 1 | -11 | 0 | 0 | 0 | 0 |

*** LOAD COMBINATION DATA

** GENERAL

| NO | NAME | TYPE | ACTIVE | DESCRIPTION |
|----|------|------|--------|-------------|
| 1 | sle | Add | ACTIVE | |
| 2 | SLU | Add | ACTIVE | |

12.Tabulati di output – Stato di Fatto Impalcato

```
*****
**          Gen 2012          Modeling, Integrated Design & Analysis Software          **
**          GENERAL STRUCTURE DESIGN SYSTEM          **
*****
```

```

XXX  XXX  XX  XXXXXXXX  XXXXXXXX  XXXXXXXX
XXXX XXXX  XX  XX  XX  XX  XX  XX  XX
XX  XXX  XX  XX  XX  XX  XX  XX  XX
XX  X  XX  XX  XX  XX  XXXXXXXX  XXXXXXXX
XXX  XX  XXX  XXX  XX  XX  XX  XXX
XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Gen

```

Gen 2012

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ANALYSIS RESULT OUTPUT

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

| ABBREVIATION | FULL NAME | TYPE | DESCRIPTION |
|---|-----------|------|-------------|
| ----- | | | |
| No Abbreviation was defined in this Load Set. All names are less than 8 char.'s | | | |
| ----- | | | |

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Cases]]

| LOAD CASE | ANAL. TYPE | DESCRIPTION | STATIC LOAD CASE | DETAIL | TYPE |
|-----------|------------|-------------|------------------|--------|------|
| c mobili | Moving | | | | |
| pp | Static | | Dead Load (D) | | |
| perm | Static | | Dead Load (D) | | |
| acc | Static | | Live Load (L) | | |

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

| ABBREVIATION | FULL NAME | TYPE | DESCRIPTION |
|---|-----------|------|-------------|
| ----- | | | |
| No Abbreviation was defined in this Load Set. All names are less than 8 char.'s | | | |
| ----- | | | |

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Cases]]

| LOAD CASE | ANAL. TYPE | DESCRIPTION | STATIC LOAD CASE | DETAIL | TYPE |
|-----------|------------|-------------|------------------|--------|------|
| c mobili | Moving | | | | |
| pp | Static | | Dead Load (D) | | |
| perm | Static | | Dead Load (D) | | |
| acc | Static | | Live Load (L) | | |

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

| ELEM | MAT | SEC | LC | PT | AXIAL | SHEAR-y | SHEAR-z | TORSION | MOMENT-y | MOMENT-z | |
|------|-----|-----|----------|-----|-------|---------|---------|---------|----------|----------|------|
| 1 | 1 | 1 | c mobili | Max | I | 0.6 | 0.9 | 31.7 | 28.9 | 15.5 | 1.1 |
| | | | | CNT | | 0.6 | 0.9 | 31.7 | 28.9 | 35.4 | 1.0 |
| | | | | J | | 0.6 | 0.9 | 31.7 | 28.9 | 56.0 | 1.0 |
| | | | | Min | I | -0.8 | -0.5 | -84.1 | -105.9 | -3.4 | -0.9 |
| | | | | CNT | | -0.8 | -0.5 | -84.1 | -105.9 | -10.9 | -0.9 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|---|---|--------------|------------|--------------|------|--------|--------|--------|-------|------|
| | | | J | -0.8 | -0.5 | -84.1 | -105.9 | -18.8 | -1.0 | |
| | | PP | I | 0.1 | -0.2 | 13.6 | 20.1 | -1.7 | -0.2 | |
| | | | CNT | 0.1 | -0.2 | 20.5 | 19.6 | -5.9 | -0.2 | |
| | | | J | 0.1 | -0.2 | 27.3 | 19.0 | -11.9 | -0.1 | |
| | | perm | I | 0.1 | -0.1 | 16.5 | 20.4 | -2.5 | -0.1 | |
| | | | CNT | 0.1 | -0.1 | 19.3 | 20.4 | -7.0 | -0.1 | |
| | | | J | 0.1 | -0.1 | 22.0 | 20.4 | -12.1 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 2 | 1 | 1 c mobili | Max | I | 0.9 | 1.1 | 8.2 | 26.7 | 56.9 | 1.3 |
| | | | | CNT | 0.9 | 1.1 | 8.2 | 26.7 | 80.6 | 1.2 |
| | | | | J | 0.9 | 1.1 | 8.2 | 26.7 | 107.6 | 1.2 |
| | | | Min | I | -1.0 | -0.6 | -118.4 | -114.6 | -18.9 | -1.4 |
| | | | | CNT | -1.0 | -0.6 | -118.4 | -114.6 | -17.1 | -1.4 |
| | | | | J | -1.0 | -0.6 | -118.4 | -114.6 | -16.5 | -1.6 |
| | | PP | I | 0.1 | -0.2 | -296.7 | 21.2 | -12.0 | -0.2 | |
| | | | CNT | 0.1 | -0.2 | -289.9 | 20.6 | 61.3 | -0.1 | |
| | | | J | 0.1 | -0.2 | -283.0 | 20.1 | 132.9 | -0.0 | |
| | | perm | I | 0.1 | -0.1 | -97.2 | 22.5 | -12.3 | -0.1 | |
| | | | CNT | 0.1 | -0.1 | -94.4 | 22.5 | 11.7 | -0.1 | |
| | | | J | 0.1 | -0.1 | -91.7 | 22.5 | 34.9 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 3 | 1 | 1 c mobili | Max | I | 1.4 | 1.2 | 6.1 | 24.9 | 108.4 | 1.3 |
| | | | | CNT | 1.4 | 1.2 | 6.1 | 24.9 | 137.5 | 1.3 |
| | | | | J | 1.4 | 1.2 | 6.1 | 24.9 | 167.6 | 1.3 |
| | | | Min | I | -0.9 | -0.7 | -122.0 | -118.4 | -16.6 | -2.2 |
| | | | | CNT | -0.9 | -0.7 | -122.0 | -118.4 | -16.8 | -2.3 |
| | | | | J | -0.9 | -0.7 | -122.0 | -118.4 | -18.0 | -2.4 |
| | | PP | I | 0.1 | -0.2 | -281.7 | 21.5 | 132.8 | -0.0 | |
| | | | CNT | 0.1 | -0.2 | -274.8 | 20.9 | 202.4 | 0.0 | |
| | | | J | 0.1 | -0.2 | -268.0 | 20.4 | 270.2 | 0.1 | |
| | | perm | I | 0.1 | -0.1 | -90.8 | 23.4 | 34.8 | -0.0 | |
| | | | CNT | 0.1 | -0.1 | -88.0 | 23.4 | 57.1 | 0.0 | |
| | | | J | 0.1 | -0.1 | -85.3 | 23.4 | 78.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 4 | 1 | 1 c mobili | Max | I | 1.8 | 1.2 | 4.5 | 23.2 | 168.3 | 1.4 |
| | | | | CNT | 1.8 | 1.2 | 4.5 | 23.2 | 198.8 | 1.3 |
| | | | | J | 1.8 | 1.2 | 4.5 | 23.2 | 229.2 | 1.3 |
| | | | Min | I | -0.8 | -0.8 | -122.7 | -119.3 | -18.1 | -3.0 |
| | | | | CNT | -0.8 | -0.8 | -122.7 | -119.3 | -19.2 | -3.2 |
| | | | | J | -0.8 | -0.8 | -122.7 | -119.3 | -20.3 | -3.3 |
| | | PP | I | 0.1 | -0.2 | -267.2 | 21.3 | 270.1 | 0.1 | |
| | | | CNT | 0.1 | -0.2 | -260.3 | 20.8 | 336.1 | 0.1 | |
| | | | J | 0.1 | -0.2 | -253.5 | 20.2 | 400.3 | 0.2 | |
| | | perm | I | 0.0 | -0.1 | -85.0 | 23.7 | 78.6 | 0.1 | |
| | | | CNT | 0.0 | -0.1 | -82.3 | 23.7 | 99.5 | 0.1 | |
| | | | J | 0.0 | -0.1 | -79.5 | 23.7 | 119.8 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 5 | 1 | 1 c mobili | Max | I | 2.1 | 1.3 | 3.5 | 21.7 | 229.9 | 1.5 |
| | | | | CNT | 2.1 | 1.3 | 3.5 | 21.7 | 260.1 | 1.4 |
| | | | | J | 2.1 | 1.3 | 3.5 | 21.7 | 290.3 | 1.3 |
| | | | Min | I | -0.8 | -0.8 | -121.6 | -118.2 | -20.4 | -3.9 |
| | | | | CNT | -0.8 | -0.8 | -121.6 | -118.2 | -21.2 | -4.0 |
| | | | | J | -0.8 | -0.8 | -121.6 | -118.2 | -22.0 | -4.2 |
| | | PP | I | 0.0 | -0.2 | -253.1 | 20.8 | 400.2 | 0.2 | |
| | | | CNT | 0.0 | -0.2 | -246.2 | 20.3 | 462.6 | 0.3 | |
| | | | J | 0.0 | -0.2 | -239.3 | 19.7 | 523.3 | 0.3 | |
| | | perm | I | -0.0 | -0.1 | -79.8 | 23.5 | 119.6 | 0.2 | |
| | | | CNT | -0.0 | -0.1 | -77.0 | 23.5 | 139.2 | 0.2 | |
| | | | J | -0.0 | -0.1 | -74.3 | 23.5 | 158.1 | 0.3 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|--|-----|------------|--|-----|------------|------|--------|--------|--------|------|------|-------|-----|
| 6 | 1 | 1 c mobili | Max | I | 2.3 | 1.3 | 2.9 | 20.4 | 290.9 | 1.5 | | | |
| | | | | CNT | 2.3 | 1.3 | 2.9 | 20.4 | 320.3 | 1.4 | | | |
| | | | | J | 2.3 | 1.3 | 2.9 | 20.4 | 349.7 | 1.4 | | | |
| | | | Min | I | -0.8 | -0.8 | -119.3 | -115.9 | -22.0 | -4.6 | | | |
| | | | | CNT | -0.8 | -0.8 | -119.3 | -115.9 | -22.7 | -4.7 | | | |
| | | | | J | -0.8 | -0.8 | -119.3 | -115.9 | -23.3 | -4.9 | | | |
| | | | pp | I | -0.0 | -0.2 | -239.2 | 20.1 | 523.1 | 0.3 | | | |
| | | | | CNT | -0.0 | -0.2 | -232.3 | 19.6 | 582.1 | 0.4 | | | |
| | | | | J | -0.0 | -0.2 | -225.4 | 19.0 | 639.3 | 0.4 | | | |
| | | | perm | I | -0.1 | -0.1 | -74.8 | 23.0 | 158.0 | 0.3 | | | |
| | | | | CNT | -0.1 | -0.1 | -72.1 | 23.0 | 176.3 | 0.3 | | | |
| | | | | J | -0.1 | -0.1 | -69.3 | 23.0 | 194.0 | 0.4 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 Type: Beam Section: cap | | | | | | | | | | |
| | | | 7 | 1 | 1 c mobili | Max | I | 2.5 | 1.3 | 2.9 | 19.2 | 350.3 | 1.5 |
| | | | | | | | CNT | 2.5 | 1.3 | 2.9 | 19.2 | 378.5 | 1.5 |
| J | 2.5 | 1.3 | | | | | 2.9 | 19.2 | 406.9 | 1.4 | | | |
| Min | I | -0.8 | | | | -0.8 | -116.2 | -112.7 | -23.3 | -5.2 | | | |
| | CNT | -0.8 | | | | -0.8 | -116.2 | -112.7 | -23.7 | -5.3 | | | |
| | J | -0.8 | | | | -0.8 | -116.2 | -112.7 | -24.2 | -5.5 | | | |
| pp | I | -0.1 | | | | -0.2 | -225.5 | 19.3 | 639.2 | 0.4 | | | |
| | CNT | -0.1 | | | | -0.2 | -218.6 | 18.7 | 694.7 | 0.5 | | | |
| | J | -0.1 | | | | -0.2 | -211.7 | 18.2 | 748.5 | 0.5 | | | |
| perm | I | -0.1 | | | | -0.1 | -70.1 | 22.2 | 193.8 | 0.4 | | | |
| | CNT | -0.1 | | | | -0.1 | -67.4 | 22.2 | 211.0 | 0.4 | | | |
| | J | -0.1 | | | | -0.1 | -64.6 | 22.2 | 227.5 | 0.5 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | | | |
| 8 | 1 | 1 c mobili | | | | Max | I | 2.6 | 1.4 | 2.9 | 18.2 | 407.5 | 1.6 |
| | | | | | | | CNT | 2.6 | 1.4 | 2.9 | 18.2 | 434.6 | 1.5 |
| | | | J | 2.6 | 1.4 | | 2.9 | 18.2 | 461.6 | 1.4 | | | |
| | | | Min | I | -0.8 | -0.8 | -112.4 | -108.8 | -24.2 | -5.7 | | | |
| | | | | CNT | -0.8 | -0.8 | -112.4 | -108.8 | -24.5 | -5.8 | | | |
| | | | | J | -0.8 | -0.8 | -112.4 | -108.8 | -24.7 | -5.9 | | | |
| | | | pp | I | -0.1 | -0.1 | -211.9 | 18.3 | 748.4 | 0.5 | | | |
| | | | | CNT | -0.1 | -0.1 | -205.0 | 17.8 | 800.5 | 0.5 | | | |
| | | | | J | -0.1 | -0.1 | -198.1 | 17.2 | 850.9 | 0.6 | | | |
| | | | perm | I | -0.1 | -0.1 | -65.6 | 21.3 | 227.4 | 0.5 | | | |
| | | | | CNT | -0.1 | -0.1 | -62.9 | 21.3 | 243.4 | 0.5 | | | |
| | | | | J | -0.1 | -0.1 | -60.1 | 21.3 | 258.8 | 0.6 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 Type: Beam Section: cap | | | | | | | | | | |
| | | | 9 | 1 | 1 c mobili | Max | I | 2.6 | 1.4 | 3.0 | 17.9 | 462.2 | 1.6 |
| | | | | | | | CNT | 2.6 | 1.4 | 3.0 | 17.9 | 487.7 | 1.6 |
| J | 2.6 | 1.4 | | | | | 3.0 | 17.9 | 513.6 | 1.5 | | | |
| Min | I | -0.9 | | | | -0.8 | -108.3 | -104.6 | -24.8 | -6.1 | | | |
| | CNT | -0.9 | | | | -0.8 | -108.3 | -104.6 | -24.9 | -6.2 | | | |
| | J | -0.9 | | | | -0.8 | -108.3 | -104.6 | -25.1 | -6.3 | | | |
| pp | I | -0.1 | | | | -0.1 | -198.4 | 17.3 | 850.8 | 0.6 | | | |
| | CNT | -0.1 | | | | -0.1 | -191.5 | 16.8 | 899.5 | 0.6 | | | |
| | J | -0.1 | | | | -0.1 | -184.7 | 16.2 | 946.6 | 0.6 | | | |
| perm | I | -0.2 | | | | -0.1 | -61.2 | 20.3 | 258.7 | 0.6 | | | |
| | CNT | -0.2 | | | | -0.1 | -58.4 | 20.3 | 273.6 | 0.6 | | | |
| | J | -0.2 | | | | -0.1 | -55.7 | 20.3 | 287.9 | 0.6 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | | | |
| 10 | 1 | 1 c mobili | | | | Max | I | 2.7 | 1.4 | 3.1 | 19.7 | 514.1 | 1.7 |
| | | | | | | | CNT | 2.7 | 1.4 | 3.1 | 19.7 | 537.9 | 1.6 |
| | | | J | 2.7 | 1.4 | | 3.1 | 19.7 | 562.2 | 1.5 | | | |
| | | | Min | I | -0.9 | -0.8 | -103.9 | -100.1 | -25.1 | -6.4 | | | |
| | | | | CNT | -0.9 | -0.8 | -103.9 | -100.1 | -25.2 | -6.5 | | | |
| | | | | J | -0.9 | -0.8 | -103.9 | -100.1 | -25.3 | -6.5 | | | |
| | | | pp | I | -0.1 | -0.1 | -185.0 | 16.2 | 946.5 | 0.6 | | | |
| | | | | CNT | -0.1 | -0.1 | -178.1 | 15.7 | 991.9 | 0.6 | | | |
| | | | | J | -0.1 | -0.1 | -171.3 | 15.1 | 1035.5 | 0.7 | | | |
| | | | perm | I | -0.2 | -0.1 | -56.9 | 19.2 | 287.8 | 0.6 | | | |
| | | | | CNT | -0.2 | -0.1 | -54.1 | 19.2 | 301.6 | 0.7 | | | |
| | | | | J | -0.2 | -0.1 | -51.4 | 19.2 | 314.8 | 0.7 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|--|---|------------|------|-----|------|------|--------|--------|--------|--------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 11 | 1 | 1 c mobili | Max | I | 2.8 | 1.4 | 3.9 | 21.7 | 562.7 | 1.7 | |
| | | | | CNT | 2.8 | 1.4 | 3.9 | 21.7 | 585.1 | 1.6 | |
| | | | | J | 2.8 | 1.4 | 3.9 | 21.7 | 607.6 | 1.6 | |
| | | | Min | I | -1.0 | -0.8 | -99.4 | -95.4 | -25.3 | -6.6 | |
| | | | | CNT | -1.0 | -0.8 | -99.4 | -95.4 | -25.3 | -6.7 | |
| | | | | J | -1.0 | -0.8 | -99.4 | -95.4 | -25.3 | -6.7 | |
| | | | | PP | I | -0.1 | -0.1 | -171.7 | 15.1 | 1035.4 | 0.7 |
| | | | | CNT | -0.1 | -0.1 | -164.8 | 14.6 | 1077.5 | 0.7 | |
| | | | | J | -0.1 | -0.1 | -157.9 | 14.0 | 1117.8 | 0.7 | |
| | | | perm | I | -0.2 | -0.1 | -52.7 | 18.0 | 314.7 | 0.7 | |
| | | | | CNT | -0.2 | -0.1 | -49.9 | 18.0 | 327.5 | 0.7 | |
| | | | | J | -0.2 | -0.1 | -47.2 | 18.0 | 339.7 | 0.8 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 12 | 1 | 1 c mobili | Max | I | 2.9 | 1.4 | 6.1 | 23.9 | 608.1 | 1.7 | |
| | | | | CNT | 2.9 | 1.4 | 6.1 | 23.9 | 628.5 | 1.6 | |
| | | | | J | 2.9 | 1.4 | 6.1 | 23.9 | 649.8 | 1.6 | |
| | | | Min | I | -1.0 | -0.9 | -94.8 | -90.6 | -25.3 | -6.8 | |
| | | | | CNT | -1.0 | -0.9 | -94.8 | -90.6 | -25.2 | -6.8 | |
| | | | | J | -1.0 | -0.9 | -94.8 | -90.6 | -25.1 | -6.9 | |
| | | | | PP | I | -0.1 | -0.1 | -158.4 | 14.0 | 1117.8 | 0.7 |
| | | | | CNT | -0.1 | -0.1 | -151.5 | 13.5 | 1156.5 | 0.7 | |
| | | | | J | -0.1 | -0.1 | -144.6 | 12.9 | 1193.5 | 0.7 | |
| | | | perm | I | -0.2 | -0.1 | -48.5 | 16.7 | 339.5 | 0.8 | |
| | | | | CNT | -0.2 | -0.1 | -45.7 | 16.7 | 351.3 | 0.8 | |
| | | | | J | -0.2 | -0.1 | -43.0 | 16.7 | 362.4 | 0.8 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 13 | 1 | 1 c mobili | Max | I | 3.0 | 1.4 | 8.7 | 26.0 | 650.2 | 1.7 | |
| | | | | CNT | 3.0 | 1.4 | 8.7 | 26.0 | 668.7 | 1.7 | |
| | | | | J | 3.0 | 1.4 | 8.7 | 26.0 | 688.1 | 1.6 | |
| | | | Min | I | -1.1 | -0.9 | -90.2 | -85.7 | -25.1 | -6.9 | |
| | | | | CNT | -1.1 | -0.9 | -90.2 | -85.7 | -25.0 | -6.9 | |
| | | | | J | -1.1 | -0.9 | -90.2 | -85.7 | -24.9 | -6.9 | |
| | | | | PP | I | -0.1 | -0.1 | -145.1 | 12.9 | 1193.4 | 0.7 |
| | | | | CNT | -0.1 | -0.1 | -138.2 | 12.3 | 1228.9 | 0.7 | |
| | | | | J | -0.1 | -0.1 | -131.4 | 11.8 | 1262.6 | 0.7 | |
| | | | perm | I | -0.2 | -0.1 | -44.4 | 15.4 | 362.3 | 0.8 | |
| | | | | CNT | -0.2 | -0.1 | -41.6 | 15.4 | 373.1 | 0.8 | |
| | | | | J | -0.2 | -0.1 | -38.9 | 15.4 | 383.1 | 0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 14 | 1 | 1 c mobili | Max | I | 3.0 | 1.4 | 11.4 | 28.0 | 688.5 | 1.7 | |
| | | | | CNT | 3.0 | 1.4 | 11.4 | 28.0 | 705.6 | 1.7 | |
| | | | | J | 3.0 | 1.4 | 11.4 | 28.0 | 723.0 | 1.6 | |
| | | | Min | I | -1.1 | -1.0 | -85.5 | -80.7 | -24.9 | -7.0 | |
| | | | | CNT | -1.1 | -1.0 | -85.5 | -80.7 | -24.7 | -7.0 | |
| | | | | J | -1.1 | -1.0 | -85.5 | -80.7 | -24.5 | -7.0 | |
| | | | | PP | I | -0.1 | -0.1 | -131.9 | 11.7 | 1262.5 | 0.7 |
| | | | | CNT | -0.1 | -0.1 | -125.0 | 11.2 | 1294.6 | 0.7 | |
| | | | | J | -0.1 | -0.1 | -118.1 | 10.6 | 1325.0 | 0.8 | |
| | | | perm | I | -0.2 | -0.1 | -40.3 | 14.0 | 383.0 | 0.9 | |
| | | | | CNT | -0.2 | -0.1 | -37.6 | 14.0 | 392.8 | 0.9 | |
| | | | | J | -0.2 | -0.1 | -34.8 | 14.0 | 401.8 | 0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 15 | 1 | 1 c mobili | Max | I | 3.1 | 1.4 | 14.2 | 29.9 | 723.4 | 1.7 | |
| | | | | CNT | 3.1 | 1.4 | 14.2 | 29.9 | 738.7 | 1.7 | |
| | | | | J | 3.1 | 1.4 | 14.2 | 29.9 | 754.4 | 1.6 | |
| | | | Min | I | -1.2 | -1.1 | -80.9 | -75.6 | -24.5 | -7.1 | |
| | | | | CNT | -1.2 | -1.1 | -80.9 | -75.6 | -24.3 | -7.0 | |
| | | | | J | -1.2 | -1.1 | -80.9 | -75.6 | -24.1 | -7.0 | |
| | | | | PP | I | -0.1 | -0.1 | -118.7 | 10.6 | 1324.9 | 0.7 |
| | | | | CNT | -0.1 | -0.1 | -111.8 | 10.0 | 1353.7 | 0.8 | |
| | | | | J | -0.1 | -0.1 | -104.9 | 9.4 | 1380.8 | 0.8 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|----|---|--------------|------------|--------------|------|------|--------|-------|--------|------|
| | | | perm | I | -0.1 | -0.1 | -36.3 | 12.6 | 401.7 | 0.9 |
| | | | | CNT | -0.1 | -0.1 | -33.5 | 12.6 | 410.4 | 0.9 |
| | | | | J | -0.1 | -0.1 | -30.8 | 12.6 | 418.5 | 0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 16 | 1 | 1 c mobili | Max | I | 3.2 | 1.3 | 17.1 | 31.5 | 754.7 | 1.7 |
| | | | | CNT | 3.2 | 1.3 | 17.1 | 31.5 | 767.9 | 1.6 |
| | | | | J | 3.2 | 1.3 | 17.1 | 31.5 | 782.2 | 1.6 |
| | | | Min | I | -1.2 | -1.1 | -76.2 | -69.7 | -24.1 | -7.1 |
| | | | | CNT | -1.2 | -1.1 | -76.2 | -69.7 | -23.8 | -7.0 |
| | | | | J | -1.2 | -1.1 | -76.2 | -69.7 | -23.6 | -7.0 |
| | | | pp | I | -0.1 | -0.0 | -105.5 | 9.4 | 1380.8 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -98.6 | 8.8 | 1406.3 | 0.8 |
| | | | | J | -0.1 | -0.0 | -91.7 | 8.3 | 1430.1 | 0.8 |
| | | | perm | I | -0.1 | -0.1 | -32.3 | 11.2 | 418.4 | 0.9 |
| | | | | CNT | -0.1 | -0.1 | -29.5 | 11.2 | 426.1 | 0.9 |
| | | | | J | -0.1 | -0.1 | -26.8 | 11.2 | 433.1 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 17 | 1 | 1 c mobili | Max | I | 3.3 | 1.3 | 20.0 | 33.0 | 782.5 | 1.7 |
| | | | | CNT | 3.3 | 1.3 | 20.0 | 33.0 | 793.6 | 1.6 |
| | | | | J | 3.3 | 1.3 | 20.0 | 33.0 | 806.2 | 1.6 |
| | | | Min | I | -1.2 | -1.1 | -71.6 | -65.9 | -23.6 | -7.1 |
| | | | | CNT | -1.2 | -1.1 | -71.6 | -65.9 | -23.3 | -7.0 |
| | | | | J | -1.2 | -1.1 | -71.6 | -65.9 | -23.0 | -7.0 |
| | | | pp | I | -0.1 | -0.0 | -92.3 | 8.2 | 1430.0 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -85.4 | 7.7 | 1452.2 | 0.8 |
| | | | | J | -0.1 | -0.0 | -78.6 | 7.1 | 1472.7 | 0.8 |
| | | | perm | I | -0.1 | -0.1 | -28.3 | 9.7 | 433.1 | 0.9 |
| | | | | CNT | -0.1 | -0.1 | -25.5 | 9.7 | 439.8 | 1.0 |
| | | | | J | -0.1 | -0.1 | -22.8 | 9.7 | 445.8 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 18 | 1 | 1 c mobili | Max | I | 3.3 | 1.3 | 22.9 | 34.2 | 806.4 | 1.7 |
| | | | | CNT | 3.3 | 1.3 | 22.9 | 34.2 | 815.6 | 1.6 |
| | | | | J | 3.3 | 1.3 | 22.9 | 34.2 | 826.2 | 1.5 |
| | | | Min | I | -1.3 | -1.2 | -67.0 | -62.2 | -23.0 | -7.1 |
| | | | | CNT | -1.3 | -1.2 | -67.0 | -62.2 | -22.7 | -7.0 |
| | | | | J | -1.3 | -1.2 | -67.0 | -62.2 | -22.4 | -7.0 |
| | | | pp | I | -0.1 | -0.0 | -79.1 | 7.0 | 1472.7 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -72.3 | 6.5 | 1491.6 | 0.8 |
| | | | | J | -0.1 | -0.0 | -65.4 | 5.9 | 1508.8 | 0.8 |
| | | | perm | I | -0.1 | -0.0 | -24.3 | 8.3 | 445.8 | 1.0 |
| | | | | CNT | -0.1 | -0.0 | -21.6 | 8.3 | 451.5 | 1.0 |
| | | | | J | -0.1 | -0.0 | -18.8 | 8.3 | 456.6 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 19 | 1 | 1 c mobili | Max | I | 3.4 | 1.3 | 25.9 | 35.2 | 826.4 | 1.6 |
| | | | | CNT | 3.4 | 1.3 | 25.9 | 35.2 | 834.2 | 1.6 |
| | | | | J | 3.4 | 1.3 | 25.9 | 35.2 | 842.7 | 1.5 |
| | | | Min | I | -1.3 | -1.2 | -62.4 | -58.6 | -22.4 | -7.1 |
| | | | | CNT | -1.3 | -1.2 | -62.4 | -58.6 | -22.1 | -7.0 |
| | | | | J | -1.3 | -1.2 | -62.4 | -58.6 | -21.8 | -7.0 |
| | | | pp | I | -0.1 | -0.0 | -66.0 | 5.9 | 1508.8 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -59.1 | 5.3 | 1524.4 | 0.8 |
| | | | | J | -0.1 | -0.0 | -52.2 | 4.7 | 1538.4 | 0.8 |
| | | | perm | I | -0.1 | -0.0 | -20.4 | 6.8 | 456.5 | 1.0 |
| | | | | CNT | -0.1 | -0.0 | -17.6 | 6.8 | 461.3 | 1.0 |
| | | | | J | -0.1 | -0.0 | -14.9 | 6.8 | 465.3 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 20 | 1 | 1 c mobili | Max | I | 3.4 | 1.3 | 29.2 | 36.0 | 842.9 | 1.6 |
| | | | | CNT | 3.4 | 1.3 | 29.2 | 36.0 | 849.0 | 1.5 |
| | | | | J | 3.4 | 1.3 | 29.2 | 36.0 | 855.5 | 1.4 |
| | | | Min | I | -1.3 | -1.2 | -57.9 | -55.0 | -21.8 | -7.1 |
| | | | | CNT | -1.3 | -1.2 | -57.9 | -55.0 | -21.5 | -7.0 |
| | | | | J | -1.3 | -1.2 | -57.9 | -55.0 | -21.1 | -7.0 |

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| | | | | | | | | | | |
|----|---|--------------|------------|--------------|------|------|-------|-------|--------|------|
| | | | pp | I | -0.1 | -0.0 | -52.8 | 4.7 | 1538.3 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -46.0 | 4.1 | 1550.7 | 0.8 |
| | | | | J | -0.1 | -0.0 | -39.1 | 3.6 | 1561.3 | 0.8 |
| | | | perm | I | -0.1 | -0.0 | -16.5 | 5.3 | 465.3 | 1.0 |
| | | | | CNT | -0.1 | -0.0 | -13.7 | 5.3 | 469.1 | 1.0 |
| | | | | J | -0.1 | -0.0 | -11.0 | 5.3 | 472.2 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 21 | 1 | 1 c mobili | Max | I | 3.4 | 1.3 | 32.8 | 37.6 | 855.6 | 1.5 |
| | | | | CNT | 3.4 | 1.3 | 32.8 | 37.6 | 859.9 | 1.4 |
| | | | | J | 3.4 | 1.3 | 32.8 | 37.6 | 864.8 | 1.4 |
| | | | Min | I | -1.3 | -1.2 | -53.4 | -51.5 | -21.1 | -7.0 |
| | | | | CNT | -1.3 | -1.2 | -53.4 | -51.5 | -20.8 | -7.0 |
| | | | | J | -1.3 | -1.2 | -53.4 | -51.5 | -20.4 | -7.0 |
| | | | pp | I | -0.1 | -0.0 | -39.7 | 3.5 | 1561.3 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -32.8 | 2.9 | 1570.4 | 0.8 |
| | | | | J | -0.1 | -0.0 | -26.0 | 2.4 | 1577.7 | 0.8 |
| | | | perm | I | -0.1 | -0.0 | -12.5 | 3.8 | 472.1 | 1.0 |
| | | | | CNT | -0.1 | -0.0 | -9.8 | 3.8 | 474.9 | 1.0 |
| | | | | J | -0.1 | -0.0 | -7.0 | 3.8 | 477.0 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 22 | 1 | 1 c mobili | Max | I | 3.4 | 1.3 | 36.5 | 39.5 | 864.9 | 1.5 |
| | | | | CNT | 3.4 | 1.3 | 36.5 | 39.5 | 867.2 | 1.4 |
| | | | | J | 3.4 | 1.3 | 36.5 | 39.5 | 870.5 | 1.3 |
| | | | Min | I | -1.3 | -1.2 | -49.0 | -48.1 | -20.4 | -7.0 |
| | | | | CNT | -1.3 | -1.2 | -49.0 | -48.1 | -20.1 | -7.0 |
| | | | | J | -1.3 | -1.2 | -49.0 | -48.1 | -19.7 | -7.0 |
| | | | pp | I | -0.1 | -0.0 | -26.6 | 2.3 | 1577.7 | 0.8 |
| | | | | CNT | -0.1 | -0.0 | -19.7 | 1.8 | 1583.5 | 0.8 |
| | | | | J | -0.1 | -0.0 | -12.8 | 1.2 | 1587.5 | 0.8 |
| | | | perm | I | -0.1 | -0.0 | -8.6 | 2.3 | 477.0 | 1.0 |
| | | | | CNT | -0.1 | -0.0 | -5.9 | 2.3 | 478.8 | 1.0 |
| | | | | J | -0.1 | -0.0 | -3.1 | 2.3 | 479.9 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 23 | 1 | 1 c mobili | Max | I | 3.4 | 1.3 | 40.5 | 41.9 | 870.5 | 1.4 |
| | | | | CNT | 3.4 | 1.3 | 40.5 | 41.9 | 870.8 | 1.3 |
| | | | | J | 3.4 | 1.3 | 40.5 | 41.9 | 872.2 | 1.3 |
| | | | Min | I | -1.3 | -1.3 | -44.7 | -44.9 | -19.7 | -7.0 |
| | | | | CNT | -1.3 | -1.3 | -44.7 | -44.9 | -19.3 | -6.9 |
| | | | | J | -1.3 | -1.3 | -44.7 | -44.9 | -18.9 | -7.0 |
| | | | pp | I | -0.0 | -0.0 | -13.4 | 1.1 | 1587.5 | 0.8 |
| | | | | CNT | -0.0 | -0.0 | -6.6 | 0.6 | 1590.0 | 0.8 |
| | | | | J | -0.0 | -0.0 | 0.3 | 0.0 | 1590.8 | 0.8 |
| | | | perm | I | -0.1 | -0.0 | -4.7 | 0.8 | 479.9 | 1.0 |
| | | | | CNT | -0.1 | -0.0 | -2.0 | 0.8 | 480.8 | 1.0 |
| | | | | J | -0.1 | -0.0 | 0.8 | 0.8 | 480.9 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 24 | 1 | 1 c mobili | Max | I | 3.4 | 1.3 | 44.7 | 44.9 | 872.2 | 1.3 |
| | | | | CNT | 3.4 | 1.3 | 44.7 | 44.9 | 870.8 | 1.3 |
| | | | | J | 3.4 | 1.3 | 44.7 | 44.9 | 870.5 | 1.4 |
| | | | Min | I | -1.3 | -1.3 | -40.5 | -41.9 | -18.9 | -7.0 |
| | | | | CNT | -1.3 | -1.3 | -40.5 | -41.9 | -19.3 | -6.9 |
| | | | | J | -1.3 | -1.3 | -40.5 | -41.9 | -19.7 | -7.0 |
| | | | pp | I | -0.0 | 0.0 | -0.3 | -0.0 | 1590.8 | 0.8 |
| | | | | CNT | -0.0 | 0.0 | 6.6 | -0.6 | 1590.0 | 0.8 |
| | | | | J | -0.0 | 0.0 | 13.4 | -1.1 | 1587.5 | 0.8 |
| | | | perm | I | -0.1 | 0.0 | -0.8 | -0.8 | 480.9 | 1.0 |
| | | | | CNT | -0.1 | 0.0 | 2.0 | -0.8 | 480.8 | 1.0 |
| | | | | J | -0.1 | 0.0 | 4.7 | -0.8 | 479.9 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 25 | 1 | 1 c mobili | Max | I | 3.4 | 1.2 | 49.0 | 48.1 | 870.5 | 1.3 |

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| | | | | | | | | | | |
|----|---|--------------|------------|--------------|------|-------|-------|--------|-------|-----|
| | | | CNT | 3.4 | 1.2 | 49.0 | 48.1 | 867.2 | 1.4 | |
| | | | J | 3.4 | 1.2 | 49.0 | 48.1 | 864.9 | 1.5 | |
| | | Min | I | -1.3 | -1.3 | -36.5 | -39.5 | -19.7 | -7.0 | |
| | | | CNT | -1.3 | -1.3 | -36.5 | -39.5 | -20.1 | -7.0 | |
| | | | J | -1.3 | -1.3 | -36.5 | -39.5 | -20.4 | -7.0 | |
| | | pp | I | -0.1 | 0.0 | 12.8 | -1.2 | 1587.5 | 0.8 | |
| | | | CNT | -0.1 | 0.0 | 19.7 | -1.8 | 1583.5 | 0.8 | |
| | | | J | -0.1 | 0.0 | 26.6 | -2.3 | 1577.7 | 0.8 | |
| | | perm | I | -0.1 | 0.0 | 3.1 | -2.3 | 479.9 | 1.0 | |
| | | | CNT | -0.1 | 0.0 | 5.9 | -2.3 | 478.8 | 1.0 | |
| | | | J | -0.1 | 0.0 | 8.6 | -2.3 | 477.0 | 1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 26 | 1 | 1 c mobili | Max | I | 3.4 | 1.2 | 53.4 | 51.5 | 864.8 | 1.4 |
| | | | | CNT | 3.4 | 1.2 | 53.4 | 51.5 | 859.9 | 1.4 |
| | | | | J | 3.4 | 1.2 | 53.4 | 51.5 | 855.6 | 1.5 |
| | | Min | I | -1.3 | -1.3 | -32.8 | -37.6 | -20.4 | -7.0 | |
| | | | CNT | -1.3 | -1.3 | -32.8 | -37.6 | -20.8 | -7.0 | |
| | | | J | -1.3 | -1.3 | -32.8 | -37.6 | -21.1 | -7.0 | |
| | | pp | I | -0.1 | 0.0 | 26.0 | -2.4 | 1577.7 | 0.8 | |
| | | | CNT | -0.1 | 0.0 | 32.8 | -2.9 | 1570.4 | 0.8 | |
| | | | J | -0.1 | 0.0 | 39.7 | -3.5 | 1561.3 | 0.8 | |
| | | perm | I | -0.1 | 0.0 | 7.0 | -3.8 | 477.0 | 1.0 | |
| | | | CNT | -0.1 | 0.0 | 9.8 | -3.8 | 474.9 | 1.0 | |
| | | | J | -0.1 | 0.0 | 12.5 | -3.8 | 472.1 | 1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 27 | 1 | 1 c mobili | Max | I | 3.4 | 1.2 | 57.9 | 55.0 | 855.5 | 1.4 |
| | | | | CNT | 3.4 | 1.2 | 57.9 | 55.0 | 849.0 | 1.5 |
| | | | | J | 3.4 | 1.2 | 57.9 | 55.0 | 842.9 | 1.6 |
| | | Min | I | -1.3 | -1.3 | -29.2 | -36.0 | -21.1 | -7.0 | |
| | | | CNT | -1.3 | -1.3 | -29.2 | -36.0 | -21.5 | -7.0 | |
| | | | J | -1.3 | -1.3 | -29.2 | -36.0 | -21.8 | -7.1 | |
| | | pp | I | -0.1 | 0.0 | 39.1 | -3.6 | 1561.3 | 0.8 | |
| | | | CNT | -0.1 | 0.0 | 46.0 | -4.1 | 1550.7 | 0.8 | |
| | | | J | -0.1 | 0.0 | 52.8 | -4.7 | 1538.3 | 0.8 | |
| | | perm | I | -0.1 | 0.0 | 11.0 | -5.3 | 472.2 | 1.0 | |
| | | | CNT | -0.1 | 0.0 | 13.7 | -5.3 | 469.1 | 1.0 | |
| | | | J | -0.1 | 0.0 | 16.5 | -5.3 | 465.3 | 1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 28 | 1 | 1 c mobili | Max | I | 3.4 | 1.2 | 62.4 | 58.6 | 842.7 | 1.5 |
| | | | | CNT | 3.4 | 1.2 | 62.4 | 58.6 | 834.2 | 1.6 |
| | | | | J | 3.4 | 1.2 | 62.4 | 58.6 | 826.4 | 1.6 |
| | | Min | I | -1.3 | -1.3 | -25.9 | -35.2 | -21.8 | -7.0 | |
| | | | CNT | -1.3 | -1.3 | -25.9 | -35.2 | -22.1 | -7.0 | |
| | | | J | -1.3 | -1.3 | -25.9 | -35.2 | -22.4 | -7.1 | |
| | | pp | I | -0.1 | 0.0 | 52.2 | -4.7 | 1538.4 | 0.8 | |
| | | | CNT | -0.1 | 0.0 | 59.1 | -5.3 | 1524.4 | 0.8 | |
| | | | J | -0.1 | 0.0 | 66.0 | -5.9 | 1508.8 | 0.8 | |
| | | perm | I | -0.1 | 0.0 | 14.9 | -6.8 | 465.3 | 1.0 | |
| | | | CNT | -0.1 | 0.0 | 17.6 | -6.8 | 461.3 | 1.0 | |
| | | | J | -0.1 | 0.0 | 20.4 | -6.8 | 456.5 | 1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 29 | 1 | 1 c mobili | Max | I | 3.3 | 1.2 | 67.0 | 62.2 | 826.2 | 1.5 |
| | | | | CNT | 3.3 | 1.2 | 67.0 | 62.2 | 815.6 | 1.6 |
| | | | | J | 3.3 | 1.2 | 67.0 | 62.2 | 806.4 | 1.7 |
| | | Min | I | -1.3 | -1.3 | -22.9 | -34.2 | -22.4 | -7.0 | |
| | | | CNT | -1.3 | -1.3 | -22.9 | -34.2 | -22.7 | -7.0 | |
| | | | J | -1.3 | -1.3 | -22.9 | -34.2 | -23.0 | -7.1 | |
| | | pp | I | -0.1 | 0.0 | 65.4 | -5.9 | 1508.8 | 0.8 | |
| | | | CNT | -0.1 | 0.0 | 72.3 | -6.5 | 1491.6 | 0.8 | |
| | | | J | -0.1 | 0.0 | 79.1 | -7.0 | 1472.7 | 0.8 | |
| | | perm | I | -0.1 | 0.0 | 18.8 | -8.3 | 456.6 | 1.0 | |
| | | | CNT | -0.1 | 0.0 | 21.6 | -8.3 | 451.5 | 1.0 | |
| | | | J | -0.1 | 0.0 | 24.3 | -8.3 | 445.8 | 1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| | | | | | | | | | | | |
|----|--------------|------------|--------------|-----|------|------|-------|-------|--------|--------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 30 | 1 | 1 c mobili | Max | I | 3.3 | 1.1 | 71.6 | 65.9 | 806.2 | 1.6 | |
| | | | | CNT | 3.3 | 1.1 | 71.6 | 65.9 | 793.6 | 1.6 | |
| | | | | J | 3.3 | 1.1 | 71.6 | 65.9 | 782.5 | 1.7 | |
| | | | Min | I | -1.2 | -1.3 | -20.0 | -33.0 | -23.0 | -7.0 | |
| | | | | CNT | -1.2 | -1.3 | -20.0 | -33.0 | -23.3 | -7.0 | |
| | | | | J | -1.2 | -1.3 | -20.0 | -33.0 | -23.6 | -7.1 | |
| | | | | pp | I | -0.1 | 0.0 | 78.6 | -7.1 | 1472.7 | 0.8 |
| | | | | CNT | -0.1 | 0.0 | 85.4 | -7.7 | 1452.2 | 0.8 | |
| | | | | J | -0.1 | 0.0 | 92.3 | -8.2 | 1430.0 | 0.8 | |
| | | | perm | I | -0.1 | 0.1 | 22.8 | -9.7 | 445.8 | 1.0 | |
| | | | | CNT | -0.1 | 0.1 | 25.5 | -9.7 | 439.8 | 1.0 | |
| | | | | J | -0.1 | 0.1 | 28.3 | -9.7 | 433.1 | 0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 31 | 1 | 1 c mobili | Max | I | 3.2 | 1.1 | 76.2 | 69.7 | 782.2 | 1.6 | |
| | | | | CNT | 3.2 | 1.1 | 76.2 | 69.7 | 767.9 | 1.6 | |
| | | | | J | 3.2 | 1.1 | 76.2 | 69.7 | 754.7 | 1.7 | |
| | | | Min | I | -1.2 | -1.3 | -17.1 | -31.5 | -23.6 | -7.0 | |
| | | | | CNT | -1.2 | -1.3 | -17.1 | -31.5 | -23.8 | -7.0 | |
| | | | | J | -1.2 | -1.3 | -17.1 | -31.5 | -24.1 | -7.1 | |
| | | | | pp | I | -0.1 | 0.0 | 91.7 | -8.3 | 1430.1 | 0.8 |
| | | | | CNT | -0.1 | 0.0 | 98.6 | -8.8 | 1406.3 | 0.8 | |
| | | | | J | -0.1 | 0.0 | 105.5 | -9.4 | 1380.8 | 0.8 | |
| | | | perm | I | -0.1 | 0.1 | 26.8 | -11.2 | 433.1 | 1.0 | |
| | | | | CNT | -0.1 | 0.1 | 29.5 | -11.2 | 426.1 | 0.9 | |
| | | | | J | -0.1 | 0.1 | 32.3 | -11.2 | 418.4 | 0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 32 | 1 | 1 c mobili | Max | I | 3.1 | 1.1 | 80.9 | 75.6 | 754.4 | 1.6 | |
| | | | | CNT | 3.1 | 1.1 | 80.9 | 75.6 | 738.7 | 1.7 | |
| | | | | J | 3.1 | 1.1 | 80.9 | 75.6 | 723.4 | 1.7 | |
| | | | Min | I | -1.2 | -1.4 | -14.2 | -29.9 | -24.1 | -7.0 | |
| | | | | CNT | -1.2 | -1.4 | -14.2 | -29.9 | -24.3 | -7.0 | |
| | | | | J | -1.2 | -1.4 | -14.2 | -29.9 | -24.5 | -7.1 | |
| | | | | pp | I | -0.1 | 0.1 | 104.9 | -9.4 | 1380.8 | 0.8 |
| | | | | CNT | -0.1 | 0.1 | 111.8 | -10.0 | 1353.7 | 0.8 | |
| | | | | J | -0.1 | 0.1 | 118.7 | -10.6 | 1324.9 | 0.7 | |
| | | | perm | I | -0.1 | 0.1 | 30.8 | -12.6 | 418.5 | 0.9 | |
| | | | | CNT | -0.1 | 0.1 | 33.5 | -12.6 | 410.4 | 0.9 | |
| | | | | J | -0.1 | 0.1 | 36.3 | -12.6 | 401.7 | 0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 33 | 1 | 1 c mobili | Max | I | 3.0 | 1.0 | 85.5 | 80.7 | 723.0 | 1.6 | |
| | | | | CNT | 3.0 | 1.0 | 85.5 | 80.7 | 705.6 | 1.7 | |
| | | | | J | 3.0 | 1.0 | 85.5 | 80.7 | 688.5 | 1.7 | |
| | | | Min | I | -1.1 | -1.4 | -11.4 | -28.0 | -24.5 | -7.0 | |
| | | | | CNT | -1.1 | -1.4 | -11.4 | -28.0 | -24.7 | -7.0 | |
| | | | | J | -1.1 | -1.4 | -11.4 | -28.0 | -24.9 | -7.0 | |
| | | | | pp | I | -0.1 | 0.1 | 118.1 | -10.6 | 1325.0 | 0.8 |
| | | | | CNT | -0.1 | 0.1 | 125.0 | -11.2 | 1294.6 | 0.7 | |
| | | | | J | -0.1 | 0.1 | 131.9 | -11.7 | 1262.5 | 0.7 | |
| | | | perm | I | -0.2 | 0.1 | 34.8 | -14.0 | 401.8 | 0.9 | |
| | | | | CNT | -0.2 | 0.1 | 37.6 | -14.0 | 392.8 | 0.9 | |
| | | | | J | -0.2 | 0.1 | 40.3 | -14.0 | 383.0 | 0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 34 | 1 | 1 c mobili | Max | I | 3.0 | 0.9 | 90.2 | 85.7 | 688.1 | 1.6 | |
| | | | | CNT | 3.0 | 0.9 | 90.2 | 85.7 | 668.7 | 1.7 | |
| | | | | J | 3.0 | 0.9 | 90.2 | 85.7 | 650.2 | 1.7 | |
| | | | Min | I | -1.1 | -1.4 | -8.7 | -26.0 | -24.9 | -6.9 | |
| | | | | CNT | -1.1 | -1.4 | -8.7 | -26.0 | -25.0 | -6.9 | |
| | | | | J | -1.1 | -1.4 | -8.7 | -26.0 | -25.1 | -6.9 | |
| | | | | pp | I | -0.1 | 0.1 | 131.4 | -11.8 | 1262.6 | 0.7 |
| | | | | CNT | -0.1 | 0.1 | 138.2 | -12.3 | 1228.9 | 0.7 | |
| | | | | J | -0.1 | 0.1 | 145.1 | -12.9 | 1193.4 | 0.7 | |
| | | | perm | I | -0.2 | 0.1 | 38.9 | -15.4 | 383.1 | 0.9 | |

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|----|--------------|------------|--------------|------|------|------|-------|-------|--------|------|
| | | | CNT | -0.2 | 0.1 | 41.6 | -15.4 | 373.1 | 0.8 | |
| | | | J | -0.2 | 0.1 | 44.4 | -15.4 | 362.3 | 0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 35 | 1 | 1 c mobili | Max | I | 2.9 | 0.9 | 94.8 | 90.6 | 649.8 | 1.6 |
| | | | | CNT | 2.9 | 0.9 | 94.8 | 90.6 | 628.5 | 1.6 |
| | | | | J | 2.9 | 0.9 | 94.8 | 90.6 | 608.1 | 1.7 |
| | | | Min | I | -1.0 | -1.4 | -6.1 | -23.9 | -25.1 | -6.9 |
| | | | | CNT | -1.0 | -1.4 | -6.1 | -23.9 | -25.2 | -6.8 |
| | | | | J | -1.0 | -1.4 | -6.1 | -23.9 | -25.3 | -6.8 |
| | | | | I | -0.1 | 0.1 | 144.6 | -12.9 | 1193.5 | 0.7 |
| | | | | CNT | -0.1 | 0.1 | 151.5 | -13.5 | 1156.5 | 0.7 |
| | | | | J | -0.1 | 0.1 | 158.4 | -14.0 | 1117.8 | 0.7 |
| | | | | I | -0.2 | 0.1 | 43.0 | -16.7 | 362.4 | 0.8 |
| | | | | CNT | -0.2 | 0.1 | 45.7 | -16.7 | 351.3 | 0.8 |
| | | | | J | -0.2 | 0.1 | 48.5 | -16.7 | 339.5 | 0.8 |
| | | | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 36 | 1 | 1 c mobili | Max | I | 2.8 | 0.8 | 99.4 | 95.4 | 607.6 | 1.6 |
| | | | | CNT | 2.8 | 0.8 | 99.4 | 95.4 | 585.1 | 1.6 |
| | | | | J | 2.8 | 0.8 | 99.4 | 95.4 | 562.7 | 1.7 |
| | | | Min | I | -1.0 | -1.4 | -3.9 | -21.7 | -25.3 | -6.7 |
| | | | | CNT | -1.0 | -1.4 | -3.9 | -21.7 | -25.3 | -6.7 |
| | | | | J | -1.0 | -1.4 | -3.9 | -21.7 | -25.3 | -6.6 |
| | | | | I | -0.1 | 0.1 | 157.9 | -14.0 | 1117.8 | 0.7 |
| | | | | CNT | -0.1 | 0.1 | 164.8 | -14.6 | 1077.5 | 0.7 |
| | | | | J | -0.1 | 0.1 | 171.7 | -15.1 | 1035.4 | 0.7 |
| | | | | I | -0.2 | 0.1 | 47.2 | -18.0 | 339.7 | 0.8 |
| | | | | CNT | -0.2 | 0.1 | 49.9 | -18.0 | 327.5 | 0.7 |
| | | | | J | -0.2 | 0.1 | 52.7 | -18.0 | 314.7 | 0.7 |
| | | | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 37 | 1 | 1 c mobili | Max | I | 2.7 | 0.8 | 103.9 | 100.1 | 562.2 | 1.5 |
| | | | | CNT | 2.7 | 0.8 | 103.9 | 100.1 | 537.9 | 1.6 |
| | | | | J | 2.7 | 0.8 | 103.9 | 100.1 | 514.1 | 1.7 |
| | | | Min | I | -0.9 | -1.4 | -3.1 | -19.7 | -25.3 | -6.5 |
| | | | | CNT | -0.9 | -1.4 | -3.1 | -19.7 | -25.2 | -6.5 |
| | | | | J | -0.9 | -1.4 | -3.1 | -19.7 | -25.1 | -6.4 |
| | | | | I | -0.1 | 0.1 | 171.3 | -15.1 | 1035.5 | 0.7 |
| | | | | CNT | -0.1 | 0.1 | 178.1 | -15.7 | 991.9 | 0.6 |
| | | | | J | -0.1 | 0.1 | 185.0 | -16.2 | 946.5 | 0.6 |
| | | | | I | -0.2 | 0.1 | 51.4 | -19.2 | 314.8 | 0.7 |
| | | | | CNT | -0.2 | 0.1 | 54.1 | -19.2 | 301.6 | 0.7 |
| | | | | J | -0.2 | 0.1 | 56.9 | -19.2 | 287.8 | 0.6 |
| | | | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 38 | 1 | 1 c mobili | Max | I | 2.6 | 0.8 | 108.3 | 104.6 | 513.6 | 1.5 |
| | | | | CNT | 2.6 | 0.8 | 108.3 | 104.6 | 487.7 | 1.6 |
| | | | | J | 2.6 | 0.8 | 108.3 | 104.6 | 462.2 | 1.6 |
| | | | Min | I | -0.9 | -1.4 | -3.0 | -17.9 | -25.1 | -6.3 |
| | | | | CNT | -0.9 | -1.4 | -3.0 | -17.9 | -24.9 | -6.2 |
| | | | | J | -0.9 | -1.4 | -3.0 | -17.9 | -24.8 | -6.1 |
| | | | | I | -0.1 | 0.1 | 184.7 | -16.2 | 946.6 | 0.6 |
| | | | | CNT | -0.1 | 0.1 | 191.5 | -16.8 | 899.5 | 0.6 |
| | | | | J | -0.1 | 0.1 | 198.4 | -17.3 | 850.8 | 0.6 |
| | | | | I | -0.2 | 0.1 | 55.7 | -20.3 | 287.9 | 0.6 |
| | | | | CNT | -0.2 | 0.1 | 58.4 | -20.3 | 273.6 | 0.6 |
| | | | | J | -0.2 | 0.1 | 61.2 | -20.3 | 258.7 | 0.6 |
| | | | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 39 | 1 | 1 c mobili | Max | I | 2.6 | 0.8 | 112.4 | 108.8 | 461.6 | 1.4 |
| | | | | CNT | 2.6 | 0.8 | 112.4 | 108.8 | 434.6 | 1.5 |
| | | | | J | 2.6 | 0.8 | 112.4 | 108.8 | 407.5 | 1.6 |
| | | | Min | I | -0.8 | -1.4 | -2.9 | -18.2 | -24.7 | -5.9 |
| | | | | CNT | -0.8 | -1.4 | -2.9 | -18.2 | -24.5 | -5.8 |
| | | | | J | -0.8 | -1.4 | -2.9 | -18.2 | -24.2 | -5.7 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|----|---|--------------|------------|--------------|------|------|-------|-------|-------|-------|-----|
| | | | PP | I | -0.1 | 0.1 | 198.1 | -17.2 | 850.9 | 0.6 | |
| | | | | CNT | -0.1 | 0.1 | 205.0 | -17.8 | 800.5 | 0.5 | |
| | | | | J | -0.1 | 0.1 | 211.9 | -18.3 | 748.4 | 0.5 | |
| | | | perm | I | -0.1 | 0.1 | 60.1 | -21.3 | 258.8 | 0.6 | |
| | | | | CNT | -0.1 | 0.1 | 62.9 | -21.3 | 243.4 | 0.5 | |
| | | | | J | -0.1 | 0.1 | 65.6 | -21.3 | 227.4 | 0.5 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 40 | 1 | 1 | c mobili | Max | I | 2.5 | 0.8 | 116.2 | 112.7 | 406.9 | 1.4 |
| | | | | | CNT | 2.5 | 0.8 | 116.2 | 112.7 | 378.5 | 1.5 |
| | | | | | J | 2.5 | 0.8 | 116.2 | 112.7 | 350.3 | 1.5 |
| | | | Min | I | -0.8 | -1.3 | -2.9 | -19.2 | -24.2 | -5.5 | |
| | | | | CNT | -0.8 | -1.3 | -2.9 | -19.2 | -23.7 | -5.3 | |
| | | | | J | -0.8 | -1.3 | -2.9 | -19.2 | -23.3 | -5.2 | |
| | | | PP | I | -0.1 | 0.2 | 211.7 | -18.2 | 748.5 | 0.5 | |
| | | | | CNT | -0.1 | 0.2 | 218.6 | -18.7 | 694.7 | 0.5 | |
| | | | | J | -0.1 | 0.2 | 225.5 | -19.3 | 639.2 | 0.4 | |
| | | | perm | I | -0.1 | 0.1 | 64.6 | -22.2 | 227.5 | 0.5 | |
| | | | | CNT | -0.1 | 0.1 | 67.4 | -22.2 | 211.0 | 0.4 | |
| | | | | J | -0.1 | 0.1 | 70.1 | -22.2 | 193.8 | 0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 41 | 1 | 1 | c mobili | Max | I | 2.3 | 0.8 | 119.3 | 115.9 | 349.7 | 1.4 |
| | | | | | CNT | 2.3 | 0.8 | 119.3 | 115.9 | 320.3 | 1.4 |
| | | | | | J | 2.3 | 0.8 | 119.3 | 115.9 | 290.9 | 1.5 |
| | | | Min | I | -0.8 | -1.3 | -2.9 | -20.4 | -23.3 | -4.9 | |
| | | | | CNT | -0.8 | -1.3 | -2.9 | -20.4 | -22.7 | -4.7 | |
| | | | | J | -0.8 | -1.3 | -2.9 | -20.4 | -22.0 | -4.6 | |
| | | | PP | I | -0.0 | 0.2 | 225.4 | -19.0 | 639.3 | 0.4 | |
| | | | | CNT | -0.0 | 0.2 | 232.3 | -19.6 | 582.1 | 0.4 | |
| | | | | J | -0.0 | 0.2 | 239.2 | -20.1 | 523.1 | 0.3 | |
| | | | perm | I | -0.1 | 0.1 | 69.3 | -23.0 | 194.0 | 0.4 | |
| | | | | CNT | -0.1 | 0.1 | 72.1 | -23.0 | 176.3 | 0.3 | |
| | | | | J | -0.1 | 0.1 | 74.8 | -23.0 | 158.0 | 0.3 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 42 | 1 | 1 | c mobili | Max | I | 2.1 | 0.8 | 121.6 | 118.2 | 290.3 | 1.3 |
| | | | | | CNT | 2.1 | 0.8 | 121.6 | 118.2 | 260.1 | 1.4 |
| | | | | | J | 2.1 | 0.8 | 121.6 | 118.2 | 229.9 | 1.5 |
| | | | Min | I | -0.8 | -1.3 | -3.5 | -21.7 | -22.0 | -4.2 | |
| | | | | CNT | -0.8 | -1.3 | -3.5 | -21.7 | -21.2 | -4.0 | |
| | | | | J | -0.8 | -1.3 | -3.5 | -21.7 | -20.4 | -3.9 | |
| | | | PP | I | 0.0 | 0.2 | 239.3 | -19.7 | 523.3 | 0.3 | |
| | | | | CNT | 0.0 | 0.2 | 246.2 | -20.3 | 462.6 | 0.3 | |
| | | | | J | 0.0 | 0.2 | 253.1 | -20.8 | 400.2 | 0.2 | |
| | | | perm | I | -0.0 | 0.1 | 74.3 | -23.5 | 158.1 | 0.3 | |
| | | | | CNT | -0.0 | 0.1 | 77.0 | -23.5 | 139.2 | 0.2 | |
| | | | | J | -0.0 | 0.1 | 79.8 | -23.5 | 119.6 | 0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 43 | 1 | 1 | c mobili | Max | I | 1.8 | 0.8 | 122.7 | 119.3 | 229.2 | 1.3 |
| | | | | | CNT | 1.8 | 0.8 | 122.7 | 119.3 | 198.8 | 1.3 |
| | | | | | J | 1.8 | 0.8 | 122.7 | 119.3 | 168.3 | 1.4 |
| | | | Min | I | -0.8 | -1.2 | -4.5 | -23.2 | -20.3 | -3.3 | |
| | | | | CNT | -0.8 | -1.2 | -4.5 | -23.2 | -19.2 | -3.2 | |
| | | | | J | -0.8 | -1.2 | -4.5 | -23.2 | -18.1 | -3.0 | |
| | | | PP | I | 0.1 | 0.2 | 253.5 | -20.2 | 400.3 | 0.2 | |
| | | | | CNT | 0.1 | 0.2 | 260.3 | -20.8 | 336.1 | 0.1 | |
| | | | | J | 0.1 | 0.2 | 267.2 | -21.3 | 270.1 | 0.1 | |
| | | | perm | I | 0.0 | 0.1 | 79.5 | -23.7 | 119.8 | 0.1 | |
| | | | | CNT | 0.0 | 0.1 | 82.3 | -23.7 | 99.5 | 0.1 | |
| | | | | J | 0.0 | 0.1 | 85.0 | -23.7 | 78.6 | 0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 44 | 1 | 1 | c mobili | Max | I | 1.4 | 0.7 | 122.0 | 118.4 | 167.6 | 1.3 |
| | | | | | CNT | 1.4 | 0.7 | 122.0 | 118.4 | 137.5 | 1.3 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|----|---|--------------|------------|-----------------------|------|-------|-------|-------|-------|-----|
| | | | J | 1.4 | 0.7 | 122.0 | 118.4 | 108.4 | 1.3 | |
| | | Min | I | -0.9 | -1.2 | -6.1 | -24.9 | -18.0 | -2.4 | |
| | | | CNT | -0.9 | -1.2 | -6.1 | -24.9 | -16.8 | -2.3 | |
| | | | J | -0.9 | -1.2 | -6.1 | -24.9 | -16.6 | -2.2 | |
| | | | | | | | | | | |
| | | pp | I | 0.1 | 0.2 | 268.0 | -20.4 | 270.2 | 0.1 | |
| | | | CNT | 0.1 | 0.2 | 274.8 | -20.9 | 202.4 | 0.0 | |
| | | | J | 0.1 | 0.2 | 281.7 | -21.5 | 132.8 | -0.0 | |
| | | perm | I | 0.1 | 0.1 | 85.3 | -23.4 | 78.8 | 0.0 | |
| | | | CNT | 0.1 | 0.1 | 88.0 | -23.4 | 57.1 | 0.0 | |
| | | | J | 0.1 | 0.1 | 90.8 | -23.4 | 34.8 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | | | | | | | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 45 | 1 | 1 c mobili | Max | I | 0.9 | 0.6 | 118.4 | 114.6 | 107.6 | 1.2 |
| | | | | CNT | 0.9 | 0.6 | 118.4 | 114.6 | 80.6 | 1.2 |
| | | | | J | 0.9 | 0.6 | 118.4 | 114.6 | 56.9 | 1.3 |
| | | Min | I | -1.0 | -1.1 | -8.2 | -26.7 | -16.5 | -1.6 | |
| | | | CNT | -1.0 | -1.1 | -8.2 | -26.7 | -17.1 | -1.4 | |
| | | | J | -1.0 | -1.1 | -8.2 | -26.7 | -18.9 | -1.4 | |
| | | | | | | | | | | |
| | | pp | I | 0.1 | 0.2 | 283.0 | -20.1 | 132.9 | -0.0 | |
| | | | CNT | 0.1 | 0.2 | 289.9 | -20.6 | 61.3 | -0.1 | |
| | | | J | 0.1 | 0.2 | 296.7 | -21.2 | -12.0 | -0.2 | |
| | | perm | I | 0.1 | 0.1 | 91.7 | -22.5 | 34.9 | -0.1 | |
| | | | CNT | 0.1 | 0.1 | 94.4 | -22.5 | 11.7 | -0.1 | |
| | | | J | 0.1 | 0.1 | 97.2 | -22.5 | -12.3 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | | | | | | | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 46 | 1 | 1 c mobili | Max | I | 0.6 | 0.5 | 84.1 | 105.9 | 56.0 | 1.0 |
| | | | | CNT | 0.6 | 0.5 | 84.1 | 105.9 | 35.4 | 1.0 |
| | | | | J | 0.6 | 0.5 | 84.1 | 105.9 | 15.5 | 1.1 |
| | | Min | I | -0.8 | -0.9 | -31.7 | -28.9 | -18.8 | -1.0 | |
| | | | CNT | -0.8 | -0.9 | -31.7 | -28.9 | -10.9 | -0.9 | |
| | | | J | -0.8 | -0.9 | -31.7 | -28.9 | -3.4 | -0.9 | |
| | | | | | | | | | | |
| | | pp | I | 0.1 | 0.2 | -27.3 | -19.0 | -11.9 | -0.1 | |
| | | | CNT | 0.1 | 0.2 | -20.5 | -19.6 | -5.9 | -0.2 | |
| | | | J | 0.1 | 0.2 | -13.6 | -20.1 | -1.7 | -0.2 | |
| | | perm | I | 0.1 | 0.1 | -22.0 | -20.4 | -12.1 | -0.1 | |
| | | | CNT | 0.1 | 0.1 | -19.3 | -20.4 | -7.0 | -0.1 | |
| | | | J | 0.1 | 0.1 | -16.5 | -20.4 | -2.5 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | | | | | | | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 47 | 2 | 4 c mobili | Max | I | 0.5 | 0.6 | 84.1 | 15.6 | 53.9 | 0.7 |
| | | | | CNT | 0.5 | 0.6 | 84.1 | 15.6 | 38.9 | 0.6 |
| | | | | J | 0.5 | 0.6 | 84.1 | 15.6 | 31.5 | 0.7 |
| | | Min | I | -0.9 | -0.8 | -31.3 | -3.3 | -15.5 | -0.7 | |
| | | | CNT | -0.9 | -0.8 | -31.3 | -3.3 | -15.1 | -0.5 | |
| | | | J | -0.9 | -0.8 | -31.3 | -3.3 | -27.3 | -0.3 | |
| | | | | | | | | | | |
| | | pp | I | 0.2 | 0.1 | -13.6 | -1.7 | -10.6 | 0.1 | |
| | | | CNT | 0.2 | 0.1 | -13.6 | -1.7 | -6.6 | 0.1 | |
| | | | J | 0.2 | 0.1 | -13.6 | -1.7 | -2.5 | 0.1 | |
| | | perm | I | 0.1 | 0.1 | -16.5 | -2.5 | -8.9 | 0.1 | |
| | | | CNT | 0.1 | 0.1 | -16.5 | -2.5 | -3.9 | 0.0 | |
| | | | J | 0.1 | 0.1 | -16.5 | -2.5 | 1.0 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | | | | | | | |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 48 | 2 | 3 c mobili | Max | I | 0.2 | 0.3 | 10.7 | 0.9 | 3.3 | 0.3 |
| | | | | CNT | 0.2 | 0.3 | 10.7 | 0.9 | 0.2 | 0.2 |
| | | | | J | 0.2 | 0.3 | 10.7 | 0.9 | 0.2 | 0.2 |
| | | Min | I | -0.2 | -0.1 | -2.9 | -0.2 | -0.9 | -0.2 | |
| | | | CNT | -0.2 | -0.1 | -2.9 | -0.2 | -0.1 | -0.2 | |
| | | | J | -0.2 | -0.1 | -2.9 | -0.2 | -3.1 | -0.1 | |
| | | | | | | | | | | |
| | | pp | I | 0.0 | 0.0 | -2.1 | -0.1 | -0.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -2.1 | -0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -2.1 | -0.1 | 0.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -2.0 | -0.2 | -0.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -2.0 | -0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -2.0 | -0.2 | 0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|------|
| 49 | 2 | 3 c mobili | Max | I | 0.2 | 0.5 | 5.7 | 0.9 | 1.9 | 0.3 | |
| | | | | CNT | 0.2 | 0.5 | 5.7 | 0.9 | 0.3 | 0.2 | |
| | | | | J | 0.2 | 0.5 | 5.7 | 0.9 | 1.4 | 0.2 | |
| | | | Min | I | -0.2 | -0.1 | -4.8 | -0.2 | -1.6 | -0.2 | |
| | | | | CNT | -0.2 | -0.1 | -4.8 | -0.2 | -0.4 | -0.2 | |
| | | | | J | -0.2 | -0.1 | -4.8 | -0.2 | -1.5 | -0.2 | |
| | | | | PP | I | -0.0 | -0.0 | -1.3 | -0.1 | -0.5 | 0.0 |
| | | | | | CNT | -0.0 | -0.0 | -1.3 | -0.1 | -0.1 | 0.0 |
| | | | | | J | -0.0 | -0.0 | -1.3 | -0.1 | 0.2 | 0.0 |
| | | | | perm | I | 0.0 | -0.0 | -0.9 | -0.2 | -0.3 | -0.0 |
| | | | | | CNT | 0.0 | -0.0 | -0.9 | -0.2 | -0.0 | 0.0 |
| | | | | | J | 0.0 | -0.0 | -0.9 | -0.2 | 0.2 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|------|
| 50 | 2 | 3 c mobili | Max | I | 0.2 | 0.6 | 3.1 | 0.9 | 1.3 | 0.3 | |
| | | | | CNT | 0.2 | 0.6 | 3.1 | 0.9 | 0.5 | 0.2 | |
| | | | | J | 0.2 | 0.6 | 3.1 | 0.9 | 2.3 | 0.2 | |
| | | | Min | I | -0.2 | -0.1 | -7.7 | -0.2 | -2.6 | -0.1 | |
| | | | | CNT | -0.2 | -0.1 | -7.7 | -0.2 | -0.7 | -0.1 | |
| | | | | J | -0.2 | -0.1 | -7.7 | -0.2 | -0.9 | -0.2 | |
| | | | | PP | I | -0.0 | -0.0 | -0.8 | -0.1 | -0.4 | 0.0 |
| | | | | | CNT | -0.0 | -0.0 | -0.8 | -0.1 | -0.2 | 0.0 |
| | | | | | J | -0.0 | -0.0 | -0.8 | -0.1 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | -0.0 |
| | | | | | CNT | 0.0 | -0.1 | -0.2 | -0.2 | -0.0 | 0.0 |
| | | | | | J | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|------|
| 51 | 2 | 3 c mobili | Max | I | 0.2 | 0.6 | 1.8 | 0.9 | 1.1 | 0.3 | |
| | | | | CNT | 0.2 | 0.6 | 1.8 | 0.9 | 0.7 | 0.2 | |
| | | | | J | 0.2 | 0.6 | 1.8 | 0.9 | 3.1 | 0.2 | |
| | | | Min | I | -0.3 | -0.1 | -9.8 | -0.2 | -3.3 | -0.1 | |
| | | | | CNT | -0.3 | -0.1 | -9.8 | -0.2 | -1.0 | -0.1 | |
| | | | | J | -0.3 | -0.1 | -9.8 | -0.2 | -0.9 | -0.2 | |
| | | | | PP | I | -0.0 | -0.0 | -0.4 | -0.1 | -0.4 | 0.0 |
| | | | | | CNT | -0.0 | -0.0 | -0.4 | -0.1 | -0.2 | 0.0 |
| | | | | | J | -0.0 | -0.0 | -0.4 | -0.1 | -0.1 | 0.0 |
| | | | | perm | I | 0.0 | -0.1 | 0.2 | -0.2 | 0.0 | -0.0 |
| | | | | | CNT | 0.0 | -0.1 | 0.2 | -0.2 | -0.0 | 0.0 |
| | | | | | J | 0.0 | -0.1 | 0.2 | -0.2 | -0.1 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|------|------|-------|------|------|------|------|
| 52 | 2 | 3 c mobili | Max | I | 0.2 | 0.5 | 1.1 | 0.9 | 1.1 | 0.3 | |
| | | | | CNT | 0.2 | 0.5 | 1.1 | 0.9 | 0.9 | 0.2 | |
| | | | | J | 0.2 | 0.5 | 1.1 | 0.9 | 3.6 | 0.2 | |
| | | | Min | I | -0.3 | -0.2 | -11.3 | -0.1 | -3.8 | -0.1 | |
| | | | | CNT | -0.3 | -0.2 | -11.3 | -0.1 | -1.3 | -0.1 | |
| | | | | J | -0.3 | -0.2 | -11.3 | -0.1 | -1.0 | -0.2 | |
| | | | | PP | I | -0.0 | -0.0 | -0.1 | -0.1 | -0.3 | 0.0 |
| | | | | | CNT | -0.0 | -0.0 | -0.1 | -0.1 | -0.3 | 0.0 |
| | | | | | J | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | 0.0 |
| | | | | perm | I | 0.0 | -0.0 | 0.6 | -0.2 | 0.1 | -0.0 |
| | | | | | CNT | 0.0 | -0.0 | 0.6 | -0.2 | -0.1 | 0.0 |
| | | | | | J | 0.0 | -0.0 | 0.6 | -0.2 | -0.2 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|------|------|-------|------|------|------|------|
| 53 | 2 | 3 c mobili | Max | I | 0.3 | 0.5 | 0.9 | 0.9 | 1.2 | 0.3 | |
| | | | | CNT | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 0.2 | |
| | | | | J | 0.3 | 0.5 | 0.9 | 0.9 | 4.1 | 0.2 | |
| | | | Min | I | -0.3 | -0.3 | -12.4 | -0.1 | -4.2 | -0.2 | |
| | | | | CNT | -0.3 | -0.3 | -12.4 | -0.1 | -1.6 | -0.1 | |
| | | | | J | -0.3 | -0.3 | -12.4 | -0.1 | -1.2 | -0.2 | |
| | | | | PP | I | -0.0 | -0.0 | 0.0 | -0.1 | -0.3 | 0.0 |
| | | | | | CNT | -0.0 | -0.0 | 0.0 | -0.1 | -0.3 | 0.0 |
| | | | | | J | -0.0 | -0.0 | 0.0 | -0.1 | -0.3 | 0.0 |
| | | | | perm | I | 0.0 | -0.0 | 0.8 | -0.2 | 0.2 | -0.0 |
| | | | | | CNT | 0.0 | -0.0 | 0.8 | -0.2 | -0.1 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|----|------------|------------|------------------|------|------|-------|------|------|------|-----|
| | | | J | 0.0 | -0.0 | 0.8 | -0.2 | -0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 54 | 2 | 3 c mobili | Max | I | 0.3 | 0.5 | 0.7 | 0.9 | 1.3 | 0.3 |
| | | | | CNT | 0.3 | 0.5 | 0.7 | 0.9 | 1.2 | 0.2 |
| | | | | J | 0.3 | 0.5 | 0.7 | 0.9 | 4.5 | 0.2 |
| | | Min | I | -0.3 | -0.3 | -13.1 | -0.1 | -4.4 | -0.2 | |
| | | | CNT | -0.3 | -0.3 | -13.1 | -0.1 | -1.8 | -0.1 | |
| | | | J | -0.3 | -0.3 | -13.1 | -0.1 | -1.4 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.2 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.2 | -0.1 | -0.3 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.2 | -0.1 | -0.4 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.0 | -0.1 | 0.2 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.0 | -0.1 | -0.1 | 0.0 | |
| | | | J | -0.0 | -0.0 | 1.0 | -0.1 | -0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 55 | 2 | 3 c mobili | Max | I | 0.3 | 0.5 | 0.7 | 0.8 | 1.3 | 0.3 |
| | | | | CNT | 0.3 | 0.5 | 0.7 | 0.8 | 1.4 | 0.2 |
| | | | | J | 0.3 | 0.5 | 0.7 | 0.8 | 4.8 | 0.2 |
| | | Min | I | -0.3 | -0.4 | -13.6 | -0.1 | -4.6 | -0.2 | |
| | | | CNT | -0.3 | -0.4 | -13.6 | -0.1 | -2.1 | -0.1 | |
| | | | J | -0.3 | -0.4 | -13.6 | -0.1 | -1.6 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.3 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.3 | -0.1 | -0.4 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.3 | -0.1 | -0.4 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.1 | -0.1 | 0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.1 | -0.1 | -0.1 | 0.0 | |
| | | | J | -0.0 | -0.0 | 1.1 | -0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 56 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.8 | 1.4 | 0.3 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.8 | 1.5 | 0.2 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.8 | 5.1 | 0.2 |
| | | Min | I | -0.2 | -0.4 | -14.0 | -0.1 | -4.7 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -14.0 | -0.1 | -2.4 | -0.1 | |
| | | | J | -0.2 | -0.4 | -14.0 | -0.1 | -1.8 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.3 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.3 | -0.1 | -0.4 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.3 | -0.1 | -0.5 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.2 | -0.1 | 0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.2 | -0.1 | -0.1 | 0.0 | |
| | | | J | -0.0 | -0.0 | 1.2 | -0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 57 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.8 | 1.5 | 0.3 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.8 | 1.7 | 0.2 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.8 | 5.3 | 0.2 |
| | | Min | I | -0.2 | -0.4 | -14.3 | -0.2 | -4.8 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -14.3 | -0.2 | -2.6 | -0.1 | |
| | | | J | -0.2 | -0.4 | -14.3 | -0.2 | -2.0 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.4 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.4 | -0.1 | -0.4 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.4 | -0.1 | -0.5 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.3 | -0.1 | 0.3 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.3 | -0.1 | -0.1 | 0.0 | |
| | | | J | -0.0 | -0.0 | 1.3 | -0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 58 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.7 | 1.6 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.7 | 1.8 | 0.2 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.7 | 5.5 | 0.2 |
| | | Min | I | -0.2 | -0.4 | -14.5 | -0.2 | -4.8 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -14.5 | -0.2 | -2.8 | -0.1 | |
| | | | J | -0.2 | -0.4 | -14.5 | -0.2 | -2.1 | -0.2 | |
| | | pp | I | -0.0 | 0.0 | 0.4 | -0.1 | -0.3 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|----|------------|------------|------------------|-----|------|------|-------|------|------|------|
| | | | | CNT | -0.0 | 0.0 | 0.4 | -0.1 | -0.4 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.4 | -0.1 | -0.6 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.3 | -0.1 | 0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.3 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.3 | -0.1 | -0.5 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 59 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.7 | 1.7 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.7 | 2.0 | 0.2 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.7 | 5.7 | 0.2 |
| | | Min | | I | -0.2 | -0.4 | -14.7 | -0.2 | -4.8 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -14.7 | -0.2 | -3.0 | -0.1 |
| | | | | J | -0.2 | -0.4 | -14.7 | -0.2 | -2.3 | -0.2 |
| | | pp | | I | -0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.5 | -0.1 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.5 | -0.1 | -0.6 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.4 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.4 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.4 | -0.1 | -0.5 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 60 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.6 | 1.7 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.6 | 2.1 | 0.2 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.6 | 5.8 | 0.2 |
| | | Min | | I | -0.2 | -0.4 | -14.8 | -0.2 | -5.1 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -14.8 | -0.2 | -3.2 | -0.1 |
| | | | | J | -0.2 | -0.4 | -14.8 | -0.2 | -2.4 | -0.2 |
| | | pp | | I | -0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.5 | -0.1 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.5 | -0.1 | -0.6 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.4 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.4 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.4 | -0.1 | -0.5 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 61 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.6 | 1.8 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.6 | 2.2 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.6 | 6.0 | 0.1 |
| | | Min | | I | -0.2 | -0.4 | -14.9 | -0.2 | -5.2 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -14.9 | -0.2 | -3.3 | -0.1 |
| | | | | J | -0.2 | -0.4 | -14.9 | -0.2 | -2.5 | -0.2 |
| | | pp | | I | -0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.5 | -0.1 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.5 | -0.1 | -0.6 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.5 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.5 | -0.1 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 62 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.6 | 1.8 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.6 | 2.3 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.6 | 6.1 | 0.1 |
| | | Min | | I | -0.2 | -0.4 | -15.0 | -0.2 | -5.2 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -15.0 | -0.2 | -3.5 | -0.1 |
| | | | | J | -0.2 | -0.4 | -15.0 | -0.2 | -2.7 | -0.1 |
| | | pp | | I | -0.0 | 0.0 | 0.6 | -0.1 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.1 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.1 | -0.7 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.5 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.5 | -0.1 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 63 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.5 | 1.9 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.5 | 2.4 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.5 | 6.2 | 0.1 |

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| | | | | | | | | | | |
|----|---|------------|------------|------------------|------|------|-------|------|------|------|
| | | | Min | I | -0.2 | -0.4 | -15.1 | -0.2 | -5.3 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -15.1 | -0.2 | -3.6 | -0.1 |
| | | | | J | -0.2 | -0.4 | -15.1 | -0.2 | -2.8 | -0.1 |
| | | pp | | I | -0.0 | 0.0 | 0.6 | -0.0 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.5 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.5 | -0.1 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 64 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.5 | 1.9 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.5 | 2.4 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.5 | 6.3 | 0.1 |
| | | | Min | I | -0.2 | -0.4 | -15.1 | -0.2 | -5.3 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -15.1 | -0.2 | -3.7 | -0.1 |
| | | | | J | -0.2 | -0.4 | -15.1 | -0.2 | -2.8 | -0.1 |
| | | pp | | I | -0.0 | 0.0 | 0.6 | -0.0 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.5 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.5 | -0.1 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 65 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.4 | 1.9 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.4 | 2.5 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.4 | 6.4 | 0.1 |
| | | | Min | I | -0.2 | -0.4 | -15.1 | -0.2 | -5.4 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -15.1 | -0.2 | -3.8 | -0.1 |
| | | | | J | -0.2 | -0.4 | -15.1 | -0.2 | -2.9 | -0.1 |
| | | pp | | I | -0.0 | 0.0 | 0.6 | -0.0 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.6 | -0.1 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.6 | -0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.6 | -0.1 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 66 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.4 | 1.9 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.4 | 2.6 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.4 | 6.4 | 0.1 |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.2 | -5.5 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.2 | -3.9 | -0.1 |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.2 | -3.0 | -0.1 |
| | | pp | | I | -0.0 | 0.0 | 0.6 | -0.0 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.6 | -0.0 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.6 | -0.0 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.6 | -0.0 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 67 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.4 | 1.9 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.4 | 2.6 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.4 | 6.5 | 0.1 |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.2 | -5.5 | -0.2 |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.2 | -3.9 | -0.1 |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.2 | -3.0 | -0.1 |
| | | pp | | I | -0.0 | 0.0 | 0.6 | -0.0 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 1.6 | -0.0 | 0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.6 | -0.0 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.6 | -0.0 | -0.5 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|------|
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 68 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.3 | 1.8 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.3 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.3 | 6.5 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.3 | -5.5 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.3 | -3.9 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.3 | -3.1 | -0.1 | |
| | | | | PP | I | -0.0 | 0.0 | 0.6 | -0.4 | 0.0 | |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.5 | 0.0 | |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 | |
| | | | perm | I | -0.0 | 0.0 | 1.6 | -0.0 | 0.4 | 0.0 | |
| | | | | CNT | -0.0 | 0.0 | 1.6 | -0.0 | -0.1 | 0.0 | |
| | | | | J | -0.0 | 0.0 | 1.6 | -0.0 | -0.6 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 69 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.3 | 1.8 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.3 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.3 | 6.5 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.3 | -5.6 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.3 | -4.0 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.3 | -3.1 | -0.1 | |
| | | | | PP | I | -0.0 | 0.0 | 0.6 | -0.4 | 0.0 | |
| | | | | CNT | -0.0 | 0.0 | 0.6 | -0.0 | -0.6 | 0.0 | |
| | | | | J | -0.0 | 0.0 | 0.6 | -0.0 | -0.7 | 0.0 | |
| | | | perm | I | -0.0 | 0.0 | 1.6 | -0.0 | 0.4 | 0.0 | |
| | | | | CNT | -0.0 | 0.0 | 1.6 | -0.0 | -0.1 | 0.0 | |
| | | | | J | -0.0 | 0.0 | 1.6 | -0.0 | -0.6 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 70 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.3 | 1.7 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.3 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.3 | 6.5 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.3 | -5.6 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.3 | -4.0 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.3 | -3.1 | -0.1 | |
| | | | | PP | I | -0.0 | 0.0 | 0.6 | 0.0 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.6 | 0.0 | -0.6 | 0.0 | |
| | | | | J | -0.0 | 0.0 | 0.6 | 0.0 | -0.7 | 0.0 | |
| | | | perm | I | -0.0 | 0.0 | 1.6 | 0.0 | 0.4 | 0.0 | |
| | | | | CNT | -0.0 | 0.0 | 1.6 | 0.0 | -0.1 | 0.0 | |
| | | | | J | -0.0 | 0.0 | 1.6 | 0.0 | -0.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 71 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.3 | 1.8 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.3 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.3 | 6.5 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.3 | -5.6 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.3 | -4.0 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.3 | -3.1 | -0.1 | |
| | | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.4 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.6 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | | perm | I | -0.0 | -0.0 | 1.6 | 0.0 | 0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 1.6 | 0.0 | -0.1 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 1.6 | 0.0 | -0.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 72 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.3 | 1.8 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.3 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.3 | 6.5 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.3 | -5.5 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.3 | -3.9 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.3 | -3.1 | -0.1 | |
| | | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.4 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.5 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | | perm | I | -0.0 | -0.0 | 1.6 | 0.0 | 0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 1.6 | 0.0 | -0.1 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 1.6 | 0.0 | -0.6 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|----|------------|------------|------------|------------------|------|------|-------|------|------|------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 73 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.5 | 0.2 | 1.9 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.5 | 0.2 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.5 | 0.2 | 6.5 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.4 | -5.5 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.4 | -3.9 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.4 | -3.0 | -0.1 | |
| | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.5 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | | perm | I | -0.0 | -0.0 | 1.6 | 0.0 | 0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 1.6 | 0.0 | -0.1 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 1.6 | 0.0 | -0.5 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 74 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.9 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.6 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 6.4 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.2 | -0.4 | -5.5 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.2 | -0.4 | -3.9 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.2 | -0.4 | -3.0 | -0.1 | |
| | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.5 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | | perm | I | -0.0 | -0.0 | 1.6 | 0.0 | 0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 1.6 | 0.0 | -0.1 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 1.6 | 0.0 | -0.5 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 75 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.9 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.5 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 6.4 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.1 | -0.4 | -5.4 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.1 | -0.4 | -3.8 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.1 | -0.4 | -2.9 | -0.1 | |
| | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.5 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | | perm | I | -0.0 | -0.0 | 1.6 | 0.1 | 0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 1.6 | 0.1 | -0.1 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 1.6 | 0.1 | -0.5 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 76 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.9 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.4 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 6.3 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.1 | -0.5 | -5.3 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.1 | -0.5 | -3.7 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.1 | -0.5 | -2.8 | -0.1 | |
| | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.5 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | | perm | I | -0.0 | -0.0 | 1.5 | 0.1 | 0.4 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 1.5 | 0.1 | -0.1 | -0.0 | |
| | | | | J | -0.0 | -0.0 | 1.5 | 0.1 | -0.5 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 77 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.9 | 0.2 | |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.4 | 0.1 | |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 6.2 | 0.1 | |
| | | | Min | I | -0.2 | -0.4 | -15.1 | -0.5 | -5.3 | -0.2 | |
| | | | | CNT | -0.2 | -0.4 | -15.1 | -0.5 | -3.6 | -0.1 | |
| | | | | J | -0.2 | -0.4 | -15.1 | -0.5 | -2.8 | -0.1 | |
| | | | PP | I | -0.0 | -0.0 | 0.6 | 0.0 | -0.3 | -0.0 | |
| | | | | CNT | -0.0 | -0.0 | 0.6 | 0.0 | -0.5 | -0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|----|------------|------------|------------------|------|------|-------|------|------|------|-----|
| | | | J | -0.0 | -0.0 | 0.6 | 0.0 | -0.7 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.5 | 0.1 | 0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.5 | 0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | 1.5 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 78 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.8 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.3 | 0.1 |
| | | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 6.1 | 0.1 |
| | | Min | I | -0.2 | -0.4 | -15.0 | -0.6 | -5.2 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -15.0 | -0.6 | -3.5 | -0.1 | |
| | | | J | -0.2 | -0.4 | -15.0 | -0.6 | -2.7 | -0.1 | |
| | | pp | I | -0.0 | -0.0 | 0.6 | 0.1 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.6 | 0.1 | -0.5 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.6 | 0.1 | -0.7 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.5 | 0.1 | 0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.5 | 0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | 1.5 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 79 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.8 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.2 | 0.1 | |
| | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 6.0 | 0.2 | |
| | | Min | I | -0.2 | -0.4 | -14.9 | -0.6 | -5.2 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -14.9 | -0.6 | -3.3 | -0.1 | |
| | | | J | -0.2 | -0.4 | -14.9 | -0.6 | -2.5 | -0.1 | |
| | | pp | I | -0.0 | -0.0 | 0.5 | 0.1 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.5 | 0.1 | -0.5 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.5 | 0.1 | -0.6 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.5 | 0.1 | 0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.5 | 0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | 1.5 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 80 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.7 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.1 | 0.1 | |
| | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 5.8 | 0.2 | |
| | | Min | I | -0.2 | -0.4 | -14.8 | -0.6 | -5.1 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -14.8 | -0.6 | -3.2 | -0.2 | |
| | | | J | -0.2 | -0.4 | -14.8 | -0.6 | -2.4 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.5 | 0.1 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.5 | 0.1 | -0.5 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.5 | 0.1 | -0.6 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.4 | 0.1 | 0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.4 | 0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | 1.4 | 0.1 | -0.5 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 81 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.7 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 2.0 | 0.1 | |
| | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 5.7 | 0.2 | |
| | | Min | I | -0.2 | -0.4 | -14.7 | -0.7 | -4.8 | -0.2 | |
| | | | CNT | -0.2 | -0.4 | -14.7 | -0.7 | -3.0 | -0.2 | |
| | | | J | -0.2 | -0.4 | -14.7 | -0.7 | -2.3 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.5 | 0.1 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.5 | 0.1 | -0.5 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.5 | 0.1 | -0.6 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 1.4 | 0.1 | 0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 1.4 | 0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | 1.4 | 0.1 | -0.5 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 82 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.6 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 1.8 | 0.1 | |
| | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 5.5 | 0.2 | |
| | | Min | I | -0.2 | -0.4 | -14.5 | -0.7 | -4.8 | -0.2 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|----|------------|----------------|------------------|------|------|-------|------|------|------|
| | | | CNT | -0.2 | -0.4 | -14.5 | -0.7 | -2.8 | -0.2 |
| | | | J | -0.2 | -0.4 | -14.5 | -0.7 | -2.1 | -0.2 |
| | | pp | I | -0.0 | -0.0 | 0.4 | 0.1 | -0.3 | -0.0 |
| | | | CNT | -0.0 | -0.0 | 0.4 | 0.1 | -0.4 | -0.0 |
| | | | J | -0.0 | -0.0 | 0.4 | 0.1 | -0.6 | -0.0 |
| | | perm | I | -0.0 | -0.0 | 1.3 | 0.1 | 0.3 | -0.0 |
| | | | CNT | -0.0 | -0.0 | 1.3 | 0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | -0.0 | 1.3 | 0.1 | -0.5 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 83 | 2 | 3 c mobili Max | I | 0.3 | 0.4 | 0.6 | 0.2 | 1.5 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.6 | 0.2 | 1.7 | 0.1 |
| | | | J | 0.3 | 0.4 | 0.6 | 0.2 | 5.3 | 0.2 |
| | | Min | I | -0.2 | -0.4 | -14.3 | -0.8 | -4.8 | -0.3 |
| | | | CNT | -0.2 | -0.4 | -14.3 | -0.8 | -2.6 | -0.2 |
| | | | J | -0.2 | -0.4 | -14.3 | -0.8 | -2.0 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.4 | 0.1 | -0.3 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.4 | 0.1 | -0.4 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.4 | 0.1 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 1.3 | 0.1 | 0.3 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 1.3 | 0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 1.3 | 0.1 | -0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 84 | 2 | 3 c mobili Max | I | 0.3 | 0.4 | 0.6 | 0.1 | 1.4 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.6 | 0.1 | 1.5 | 0.1 |
| | | | J | 0.3 | 0.4 | 0.6 | 0.1 | 5.1 | 0.2 |
| | | Min | I | -0.2 | -0.4 | -14.0 | -0.8 | -4.7 | -0.3 |
| | | | CNT | -0.2 | -0.4 | -14.0 | -0.8 | -2.4 | -0.2 |
| | | | J | -0.2 | -0.4 | -14.0 | -0.8 | -1.8 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.3 | 0.1 | -0.3 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | 0.1 | -0.4 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | 0.1 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 1.2 | 0.1 | 0.3 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 1.2 | 0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 1.2 | 0.1 | -0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 85 | 2 | 3 c mobili Max | I | 0.3 | 0.4 | 0.7 | 0.1 | 1.3 | 0.2 |
| | | | CNT | 0.3 | 0.4 | 0.7 | 0.1 | 1.4 | 0.1 |
| | | | J | 0.3 | 0.4 | 0.7 | 0.1 | 4.8 | 0.2 |
| | | Min | I | -0.3 | -0.5 | -13.6 | -0.8 | -4.6 | -0.3 |
| | | | CNT | -0.3 | -0.5 | -13.6 | -0.8 | -2.1 | -0.2 |
| | | | J | -0.3 | -0.5 | -13.6 | -0.8 | -1.6 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.3 | 0.1 | -0.3 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | 0.1 | -0.4 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | 0.1 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 1.1 | 0.1 | 0.3 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 1.1 | 0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 1.1 | 0.1 | -0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 86 | 2 | 3 c mobili Max | I | 0.3 | 0.3 | 0.7 | 0.1 | 1.3 | 0.2 |
| | | | CNT | 0.3 | 0.3 | 0.7 | 0.1 | 1.2 | 0.1 |
| | | | J | 0.3 | 0.3 | 0.7 | 0.1 | 4.5 | 0.2 |
| | | Min | I | -0.3 | -0.5 | -13.1 | -0.9 | -4.4 | -0.3 |
| | | | CNT | -0.3 | -0.5 | -13.1 | -0.9 | -1.8 | -0.2 |
| | | | J | -0.3 | -0.5 | -13.1 | -0.9 | -1.4 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.2 | 0.1 | -0.3 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.2 | 0.1 | -0.3 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.2 | 0.1 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 1.0 | 0.1 | 0.2 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 1.0 | 0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 1.0 | 0.1 | -0.3 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|----|---|------------|------|-----|------|------|------|-------|------|------|------|
| 87 | 2 | 3 c mobili | Max | I | 0.3 | 0.3 | 0.9 | 0.1 | 1.2 | 0.2 | |
| | | | | CNT | 0.3 | 0.3 | 0.9 | 0.1 | 1.1 | 0.1 | |
| | | | | J | 0.3 | 0.3 | 0.9 | 0.1 | 4.1 | 0.2 | |
| | | | | Min | I | -0.3 | -0.5 | -12.4 | -0.9 | -4.2 | -0.3 |
| | | | | | CNT | -0.3 | -0.5 | -12.4 | -0.9 | -1.6 | -0.2 |
| | | | | | J | -0.3 | -0.5 | -12.4 | -0.9 | -1.2 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -0.0 | |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -0.0 | |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.8 | 0.2 | 0.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | -0.1 | -0.0 | |
| | | | | J | 0.0 | 0.0 | 0.8 | 0.2 | -0.3 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 2 Type: Beam Section: soletta

| | | | | | | | | | | | |
|----|---|------------|------|-----|------|------|------|-------|------|------|------|
| 88 | 2 | 3 c mobili | Max | I | 0.2 | 0.2 | 1.1 | 0.1 | 1.1 | 0.1 | |
| | | | | CNT | 0.2 | 0.2 | 1.1 | 0.1 | 0.9 | 0.1 | |
| | | | | J | 0.2 | 0.2 | 1.1 | 0.1 | 3.6 | 0.2 | |
| | | | | Min | I | -0.3 | -0.5 | -11.3 | -0.9 | -3.8 | -0.3 |
| | | | | | CNT | -0.3 | -0.5 | -11.3 | -0.9 | -1.3 | -0.2 |
| | | | | | J | -0.3 | -0.5 | -11.3 | -0.9 | -1.0 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.1 | 0.1 | -0.3 | -0.0 | |
| | | | | CNT | -0.0 | 0.0 | -0.1 | 0.1 | -0.3 | -0.0 | |
| | | | | J | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | -0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.6 | 0.2 | 0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.2 | -0.1 | -0.0 | |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.2 | -0.2 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 2 Type: Beam Section: soletta

| | | | | | | | | | | | |
|----|---|------------|------|-----|------|------|------|------|------|------|------|
| 89 | 2 | 3 c mobili | Max | I | 0.2 | 0.1 | 1.8 | 0.2 | 1.1 | 0.1 | |
| | | | | CNT | 0.2 | 0.1 | 1.8 | 0.2 | 0.7 | 0.1 | |
| | | | | J | 0.2 | 0.1 | 1.8 | 0.2 | 3.1 | 0.2 | |
| | | | | Min | I | -0.3 | -0.6 | -9.8 | -0.9 | -3.3 | -0.3 |
| | | | | | CNT | -0.3 | -0.6 | -9.8 | -0.9 | -1.0 | -0.2 |
| | | | | | J | -0.3 | -0.6 | -9.8 | -0.9 | -0.9 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.4 | 0.1 | -0.4 | -0.0 | |
| | | | | CNT | -0.0 | 0.0 | -0.4 | 0.1 | -0.2 | -0.0 | |
| | | | | J | -0.0 | 0.0 | -0.4 | 0.1 | -0.1 | -0.0 | |
| | | | perm | I | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.1 | 0.2 | 0.2 | -0.0 | -0.0 | |
| | | | | J | 0.0 | 0.1 | 0.2 | 0.2 | -0.1 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 2 Type: Beam Section: soletta

| | | | | | | | | | | | |
|----|---|------------|------|-----|------|------|------|------|------|------|------|
| 90 | 2 | 3 c mobili | Max | I | 0.2 | 0.1 | 3.1 | 0.2 | 1.3 | 0.1 | |
| | | | | CNT | 0.2 | 0.1 | 3.1 | 0.2 | 0.5 | 0.1 | |
| | | | | J | 0.2 | 0.1 | 3.1 | 0.2 | 2.3 | 0.2 | |
| | | | | Min | I | -0.2 | -0.6 | -7.7 | -0.9 | -2.6 | -0.3 |
| | | | | | CNT | -0.2 | -0.6 | -7.7 | -0.9 | -0.7 | -0.2 |
| | | | | | J | -0.2 | -0.6 | -7.7 | -0.9 | -0.9 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.8 | 0.1 | -0.4 | -0.0 | |
| | | | | CNT | -0.0 | 0.0 | -0.8 | 0.1 | -0.2 | -0.0 | |
| | | | | J | -0.0 | 0.0 | -0.8 | 0.1 | 0.0 | -0.0 | |
| | | | perm | I | 0.0 | 0.1 | -0.2 | 0.2 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.1 | -0.2 | 0.2 | -0.0 | -0.0 | |
| | | | | J | 0.0 | 0.1 | -0.2 | 0.2 | 0.0 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 2 Type: Beam Section: soletta

| | | | | | | | | | | | |
|----|---|------------|------|-----|------|------|------|------|------|------|------|
| 91 | 2 | 3 c mobili | Max | I | 0.2 | 0.1 | 5.7 | 0.2 | 1.9 | 0.2 | |
| | | | | CNT | 0.2 | 0.1 | 5.7 | 0.2 | 0.3 | 0.2 | |
| | | | | J | 0.2 | 0.1 | 5.7 | 0.2 | 1.4 | 0.2 | |
| | | | | Min | I | -0.2 | -0.5 | -4.8 | -0.9 | -1.6 | -0.3 |
| | | | | | CNT | -0.2 | -0.5 | -4.8 | -0.9 | -0.4 | -0.2 |
| | | | | | J | -0.2 | -0.5 | -4.8 | -0.9 | -1.5 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -1.3 | 0.1 | -0.5 | -0.0 | |
| | | | | CNT | -0.0 | 0.0 | -1.3 | 0.1 | -0.1 | -0.0 | |
| | | | | J | -0.0 | 0.0 | -1.3 | 0.1 | 0.2 | -0.0 | |
| | | | perm | I | 0.0 | 0.0 | -0.9 | 0.2 | -0.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.9 | 0.2 | -0.0 | -0.0 | |
| | | | | J | 0.0 | 0.0 | -0.9 | 0.2 | 0.2 | -0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|----|--------------|------------|------------|-----------------------|------|------|--------|--------|-------|------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 92 | 2 | 3 c mobili | Max | I | 0.2 | 0.1 | 10.7 | 0.2 | 3.3 | 0.2 | |
| | | | | CNT | 0.2 | 0.1 | 10.7 | 0.2 | 0.2 | 0.2 | |
| | | | | J | 0.2 | 0.1 | 10.7 | 0.2 | 0.9 | 0.1 | |
| | | | Min | I | -0.2 | -0.3 | -2.9 | -0.9 | -0.9 | -0.3 | |
| | | | | CNT | -0.2 | -0.3 | -2.9 | -0.9 | -0.1 | -0.2 | |
| | | | | J | -0.2 | -0.3 | -2.9 | -0.9 | -3.1 | -0.2 | |
| | | | pp | I | 0.0 | -0.0 | -2.1 | 0.1 | -0.7 | -0.0 | |
| | | | | CNT | 0.0 | -0.0 | -2.1 | 0.1 | -0.1 | -0.0 | |
| | | | | J | 0.0 | -0.0 | -2.1 | 0.1 | 0.5 | -0.0 | |
| | | | perm | I | 0.0 | -0.0 | -2.0 | 0.2 | -0.6 | -0.0 | |
| | | | | CNT | 0.0 | -0.0 | -2.0 | 0.2 | -0.0 | -0.0 | |
| | | | | J | 0.0 | -0.0 | -2.0 | 0.2 | 0.6 | -0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 93 | 2 | 4 c mobili | Max | I | 0.5 | 0.8 | 84.1 | 3.3 | 53.9 | 0.7 | |
| | | | | CNT | 0.5 | 0.8 | 84.1 | 3.3 | 38.9 | 0.5 | |
| | | | | J | 0.5 | 0.8 | 84.1 | 3.3 | 31.5 | 0.3 | |
| | | | Min | I | -0.9 | -0.6 | -31.3 | -15.6 | -15.5 | -0.7 | |
| | | | | CNT | -0.9 | -0.6 | -31.3 | -15.6 | -15.1 | -0.6 | |
| | | | | J | -0.9 | -0.6 | -31.3 | -15.6 | -27.3 | -0.7 | |
| | | | pp | I | 0.2 | -0.1 | -13.6 | 1.7 | -10.6 | -0.1 | |
| | | | | CNT | 0.2 | -0.1 | -13.6 | 1.7 | -6.6 | -0.1 | |
| | | | | J | 0.2 | -0.1 | -13.6 | 1.7 | -2.5 | -0.1 | |
| | | | perm | I | 0.1 | -0.1 | -16.5 | 2.5 | -8.9 | -0.1 | |
| | | | | CNT | 0.1 | -0.1 | -16.5 | 2.5 | -3.9 | -0.0 | |
| | | | | J | 0.1 | -0.1 | -16.5 | 2.5 | 1.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: traverso cap | | | | | | | |
| 94 | 1 | 1 c mobili | Max | I | 0.8 | 1.4 | 118.3 | 38.0 | 8.4 | 1.7 | |
| | | | | CNT | 0.8 | 1.4 | 118.3 | 38.0 | 23.6 | 1.6 | |
| | | | | J | 0.8 | 1.4 | 118.3 | 38.0 | 39.7 | 1.5 | |
| | | | Min | I | -0.7 | -1.3 | -64.6 | -146.4 | -8.5 | -1.1 | |
| | | | | CNT | -0.7 | -1.3 | -64.6 | -146.4 | -31.9 | -1.0 | |
| | | | | J | -0.7 | -1.3 | -64.6 | -146.4 | -61.5 | -1.0 | |
| | | | pp | I | -0.2 | 0.1 | -7.9 | 8.6 | 0.8 | -0.1 | |
| | | | | CNT | -0.2 | 0.1 | -1.5 | 8.6 | 1.9 | -0.1 | |
| | | | | J | -0.2 | 0.1 | 4.9 | 8.6 | 1.5 | -0.1 | |
| | | | perm | I | -0.1 | -0.1 | -5.2 | 18.6 | 0.8 | -0.2 | |
| | | | | CNT | -0.1 | -0.1 | -3.7 | 18.6 | 1.9 | -0.2 | |
| | | | | J | -0.1 | -0.1 | -2.2 | 18.6 | 2.6 | -0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 95 | 1 | 1 c mobili | Max | I | 1.0 | 1.8 | 7.0 | 36.0 | 40.2 | 2.0 | |
| | | | | CNT | 1.0 | 1.8 | 7.0 | 36.0 | 66.7 | 1.9 | |
| | | | | J | 1.0 | 1.8 | 7.0 | 36.0 | 120.8 | 1.9 | |
| | | | Min | I | -1.0 | -1.2 | -249.5 | -158.6 | -61.6 | -1.5 | |
| | | | | CNT | -1.0 | -1.2 | -249.5 | -158.6 | -46.7 | -1.5 | |
| | | | | J | -1.0 | -1.2 | -249.5 | -158.6 | -43.3 | -1.7 | |
| | | | pp | I | -0.2 | 0.1 | -282.3 | 10.5 | 1.6 | -0.1 | |
| | | | | CNT | -0.2 | 0.1 | -275.9 | 10.5 | 71.3 | -0.2 | |
| | | | | J | -0.2 | 0.1 | -269.5 | 10.5 | 139.5 | -0.2 | |
| | | | perm | I | -0.1 | -0.1 | -79.8 | 21.3 | 2.6 | -0.2 | |
| | | | | CNT | -0.1 | -0.1 | -78.3 | 21.3 | 22.4 | -0.2 | |
| | | | | J | -0.1 | -0.1 | -76.8 | 21.3 | 41.8 | -0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 96 | 1 | 1 c mobili | Max | I | 1.0 | 2.0 | 13.9 | 34.2 | 120.7 | 2.1 | |
| | | | | CNT | 1.0 | 2.0 | 13.9 | 34.2 | 164.5 | 2.0 | |
| | | | | J | 1.0 | 2.0 | 13.9 | 34.2 | 222.1 | 1.9 | |
| | | | Min | I | -1.3 | -1.0 | -231.7 | -164.1 | -43.3 | -2.2 | |
| | | | | CNT | -1.3 | -1.0 | -231.7 | -164.1 | -42.1 | -2.5 | |
| | | | | J | -1.3 | -1.0 | -231.7 | -164.1 | -40.9 | -2.8 | |
| | | | pp | I | -0.2 | 0.0 | -270.9 | 11.6 | 139.6 | -0.1 | |
| | | | | CNT | -0.2 | 0.0 | -264.6 | 11.6 | 206.5 | -0.1 | |
| | | | | J | -0.2 | 0.0 | -258.2 | 11.6 | 271.9 | -0.2 | |

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|-----|---|--------------|------------|--------------|------|------|--------|--------|-------|------|
| | | | perm | I | -0.1 | -0.2 | -77.4 | 22.6 | 41.9 | -0.2 |
| | | | | CNT | -0.1 | -0.2 | -75.9 | 22.6 | 61.0 | -0.1 |
| | | | | J | -0.1 | -0.2 | -74.4 | 22.6 | 79.8 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 97 | 1 | 1 c mobili | Max | I | 1.0 | 2.2 | 20.6 | 32.5 | 222.0 | 2.1 |
| | | | | CNT | 1.0 | 2.2 | 20.6 | 32.5 | 258.5 | 1.9 |
| | | | | J | 1.0 | 2.2 | 20.6 | 32.5 | 312.8 | 1.8 |
| | | | Min | I | -1.6 | -0.9 | -218.7 | -165.4 | -40.9 | -3.4 |
| | | | | CNT | -1.6 | -0.9 | -218.7 | -165.4 | -39.9 | -3.6 |
| | | | | J | -1.6 | -0.9 | -218.7 | -165.4 | -38.9 | -3.9 |
| | | | pp | I | -0.1 | -0.0 | -259.0 | 12.1 | 271.9 | -0.1 |
| | | | | CNT | -0.1 | -0.0 | -252.7 | 12.1 | 335.9 | -0.1 |
| | | | | J | -0.1 | -0.0 | -246.3 | 12.1 | 398.3 | -0.1 |
| | | | perm | I | -0.1 | -0.2 | -74.5 | 23.0 | 79.9 | -0.0 |
| | | | | CNT | -0.1 | -0.2 | -73.0 | 23.0 | 98.3 | 0.0 |
| | | | | J | -0.1 | -0.2 | -71.5 | 23.0 | 116.4 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 98 | 1 | 1 c mobili | Max | I | 1.1 | 2.3 | 29.3 | 30.7 | 312.7 | 2.1 |
| | | | | CNT | 1.1 | 2.3 | 29.3 | 30.7 | 343.4 | 1.9 |
| | | | | J | 1.1 | 2.3 | 29.3 | 30.7 | 395.1 | 1.8 |
| | | | Min | I | -1.8 | -0.9 | -208.3 | -164.0 | -38.9 | -4.4 |
| | | | | CNT | -1.8 | -0.9 | -208.3 | -164.0 | -38.1 | -4.7 |
| | | | | J | -1.8 | -0.9 | -208.3 | -164.0 | -37.2 | -5.0 |
| | | | pp | I | -0.1 | -0.1 | -246.8 | 12.3 | 398.3 | -0.0 |
| | | | | CNT | -0.1 | -0.1 | -240.4 | 12.3 | 459.2 | -0.0 |
| | | | | J | -0.1 | -0.1 | -234.0 | 12.3 | 518.5 | -0.0 |
| | | | perm | I | -0.0 | -0.2 | -71.3 | 22.9 | 116.4 | 0.1 |
| | | | | CNT | -0.0 | -0.2 | -69.8 | 22.9 | 134.0 | 0.1 |
| | | | | J | -0.0 | -0.2 | -68.3 | 22.9 | 151.3 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 99 | 1 | 1 c mobili | Max | I | 1.2 | 2.3 | 37.9 | 28.9 | 395.0 | 2.1 |
| | | | | CNT | 1.2 | 2.3 | 37.9 | 28.9 | 421.0 | 1.9 |
| | | | | J | 1.2 | 2.3 | 37.9 | 28.9 | 470.4 | 1.8 |
| | | | Min | I | -2.0 | -0.9 | -199.7 | -161.0 | -37.2 | -5.3 |
| | | | | CNT | -2.0 | -0.9 | -199.7 | -161.0 | -36.5 | -5.5 |
| | | | | J | -2.0 | -0.9 | -199.7 | -161.0 | -35.8 | -5.8 |
| | | | pp | I | -0.0 | -0.1 | -234.2 | 12.3 | 518.6 | 0.0 |
| | | | | CNT | -0.0 | -0.1 | -227.8 | 12.3 | 576.3 | 0.0 |
| | | | | J | -0.0 | -0.1 | -221.5 | 12.3 | 632.5 | 0.1 |
| | | | perm | I | -0.0 | -0.2 | -67.8 | 22.5 | 151.4 | 0.2 |
| | | | | CNT | -0.0 | -0.2 | -66.3 | 22.5 | 168.1 | 0.3 |
| | | | | J | -0.0 | -0.2 | -64.8 | 22.5 | 184.5 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 100 | 1 | 1 c mobili | Max | I | 1.3 | 2.3 | 44.6 | 27.1 | 470.3 | 2.1 |
| | | | | CNT | 1.3 | 2.3 | 44.6 | 27.1 | 493.8 | 1.9 |
| | | | | J | 1.3 | 2.3 | 44.6 | 27.1 | 539.7 | 1.8 |
| | | | Min | I | -2.0 | -1.0 | -192.3 | -156.7 | -35.7 | -6.1 |
| | | | | CNT | -2.0 | -1.0 | -192.3 | -156.7 | -35.1 | -6.2 |
| | | | | J | -2.0 | -1.0 | -192.3 | -156.7 | -34.4 | -6.4 |
| | | | pp | I | -0.0 | -0.1 | -221.5 | 12.0 | 632.5 | 0.1 |
| | | | | CNT | -0.0 | -0.1 | -215.1 | 12.0 | 687.1 | 0.1 |
| | | | | J | -0.0 | -0.1 | -208.8 | 12.0 | 740.1 | 0.2 |
| | | | perm | I | 0.0 | -0.2 | -64.2 | 21.8 | 184.6 | 0.3 |
| | | | | CNT | 0.0 | -0.2 | -62.7 | 21.8 | 200.4 | 0.4 |
| | | | | J | 0.0 | -0.2 | -61.2 | 21.8 | 215.9 | 0.5 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 101 | 1 | 1 c mobili | Max | I | 1.4 | 2.2 | 50.2 | 25.3 | 539.5 | 2.1 |
| | | | | CNT | 1.4 | 2.2 | 50.2 | 25.3 | 561.1 | 2.0 |
| | | | | J | 1.4 | 2.2 | 50.2 | 25.3 | 603.5 | 1.9 |
| | | | Min | I | -2.1 | -1.1 | -185.5 | -151.6 | -34.4 | -6.6 |
| | | | | CNT | -2.1 | -1.1 | -185.5 | -151.6 | -33.8 | -6.7 |

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|-----|---|--------------|------------|--------------|------|--------|--------|--------|-------|------|
| | | | J | -2.1 | -1.1 | -185.5 | -151.6 | -33.2 | -6.9 | |
| | | PP | I | 0.0 | -0.1 | -208.7 | 11.7 | 740.2 | 0.2 | |
| | | | CNT | 0.0 | -0.1 | -202.3 | 11.7 | 791.5 | 0.2 | |
| | | | J | 0.0 | -0.1 | -195.9 | 11.7 | 841.3 | 0.2 | |
| | | perm | I | 0.0 | -0.2 | -60.6 | 20.9 | 216.0 | 0.4 | |
| | | | CNT | 0.0 | -0.2 | -59.1 | 20.9 | 230.9 | 0.5 | |
| | | | J | 0.0 | -0.2 | -57.6 | 20.9 | 245.5 | 0.6 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 102 | 1 | 1 c mobili | Max | I | 1.5 | 2.2 | 54.9 | 27.4 | 603.3 | 2.2 |
| | | | | CNT | 1.5 | 2.2 | 54.9 | 27.4 | 623.2 | 2.0 |
| | | | | J | 1.5 | 2.2 | 54.9 | 27.4 | 662.3 | 1.9 |
| | | | Min | I | -2.1 | -1.1 | -179.3 | -145.8 | -33.2 | -7.0 |
| | | | | CNT | -2.1 | -1.1 | -179.3 | -145.8 | -32.7 | -7.1 |
| | | | | J | -2.1 | -1.1 | -179.3 | -145.8 | -32.1 | -7.2 |
| | | PP | I | 0.0 | -0.1 | -195.7 | 11.2 | 841.4 | 0.2 | |
| | | | CNT | 0.0 | -0.1 | -189.4 | 11.2 | 889.5 | 0.3 | |
| | | | J | 0.0 | -0.1 | -183.0 | 11.2 | 936.0 | 0.3 | |
| | | perm | I | 0.0 | -0.2 | -56.8 | 19.9 | 245.6 | 0.5 | |
| | | | CNT | 0.0 | -0.2 | -55.3 | 19.9 | 259.6 | 0.6 | |
| | | | J | 0.0 | -0.2 | -53.8 | 19.9 | 273.2 | 0.6 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 103 | 1 | 1 c mobili | Max | I | 1.5 | 2.1 | 59.0 | 29.7 | 662.1 | 2.2 |
| | | | | CNT | 1.5 | 2.1 | 59.0 | 29.7 | 680.3 | 2.1 |
| | | | | J | 1.5 | 2.1 | 59.0 | 29.7 | 716.3 | 2.0 |
| | | | Min | I | -2.1 | -1.2 | -173.5 | -139.5 | -32.1 | -7.6 |
| | | | | CNT | -2.1 | -1.2 | -173.5 | -139.5 | -31.6 | -7.6 |
| | | | | J | -2.1 | -1.2 | -173.5 | -139.5 | -31.1 | -7.6 |
| | | PP | I | 0.0 | -0.1 | -182.8 | 10.7 | 936.1 | 0.3 | |
| | | | CNT | 0.0 | -0.1 | -176.4 | 10.7 | 981.0 | 0.3 | |
| | | | J | 0.0 | -0.1 | -170.0 | 10.7 | 1024.3 | 0.4 | |
| | | perm | I | 0.0 | -0.2 | -53.1 | 18.8 | 273.3 | 0.6 | |
| | | | CNT | 0.0 | -0.2 | -51.6 | 18.8 | 286.3 | 0.7 | |
| | | | J | 0.0 | -0.2 | -50.1 | 18.8 | 299.0 | 0.7 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 104 | 1 | 1 c mobili | Max | I | 1.6 | 2.0 | 62.8 | 31.8 | 716.1 | 2.3 |
| | | | | CNT | 1.6 | 2.0 | 62.8 | 31.8 | 732.6 | 2.1 |
| | | | | J | 1.6 | 2.0 | 62.8 | 31.8 | 765.8 | 2.0 |
| | | | Min | I | -2.1 | -1.2 | -167.9 | -132.8 | -31.1 | -7.9 |
| | | | | CNT | -2.1 | -1.2 | -167.9 | -132.8 | -30.5 | -7.9 |
| | | | | J | -2.1 | -1.2 | -167.9 | -132.8 | -30.0 | -7.9 |
| | | PP | I | 0.0 | -0.1 | -169.7 | 10.1 | 1024.3 | 0.3 | |
| | | | CNT | 0.0 | -0.1 | -163.4 | 10.1 | 1066.0 | 0.4 | |
| | | | J | 0.0 | -0.1 | -157.0 | 10.1 | 1106.0 | 0.4 | |
| | | perm | I | 0.0 | -0.2 | -49.3 | 17.6 | 299.1 | 0.7 | |
| | | | CNT | 0.0 | -0.2 | -47.8 | 17.6 | 311.2 | 0.7 | |
| | | | J | 0.0 | -0.2 | -46.3 | 17.6 | 323.0 | 0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 105 | 1 | 1 c mobili | Max | I | 1.6 | 2.0 | 66.2 | 33.6 | 765.7 | 2.3 |
| | | | | CNT | 1.6 | 2.0 | 66.2 | 33.6 | 780.5 | 2.2 |
| | | | | J | 1.6 | 2.0 | 66.2 | 33.6 | 810.9 | 2.1 |
| | | | Min | I | -2.0 | -1.3 | -162.5 | -125.8 | -30.0 | -8.2 |
| | | | | CNT | -2.0 | -1.3 | -162.5 | -125.8 | -29.6 | -8.1 |
| | | | | J | -2.0 | -1.3 | -162.5 | -125.8 | -29.1 | -8.1 |
| | | PP | I | 0.0 | -0.1 | -156.7 | 9.4 | 1106.0 | 0.4 | |
| | | | CNT | 0.0 | -0.1 | -150.3 | 9.4 | 1144.4 | 0.4 | |
| | | | J | 0.0 | -0.1 | -144.0 | 9.4 | 1181.2 | 0.4 | |
| | | perm | I | 0.0 | -0.2 | -45.5 | 16.3 | 323.0 | 0.7 | |
| | | | CNT | 0.0 | -0.2 | -44.0 | 16.3 | 334.2 | 0.8 | |
| | | | J | 0.0 | -0.2 | -42.5 | 16.3 | 345.0 | 0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | | | |
|--|------|------------|--------|--|------|------------|--------|--------|--------|--------|------|--------|--------|-------|------|
| 106 | 1 | 1 c mobili | Max | I | 1.7 | 1.9 | 69.5 | 35.0 | 810.8 | 2.4 | | | | | |
| | | | | CNT | 1.7 | 1.9 | 69.5 | 35.0 | 824.1 | 2.2 | | | | | |
| | | | | J | 1.7 | 1.9 | 69.5 | 35.0 | 851.8 | 2.1 | | | | | |
| | | | | Min | I | -2.0 | -1.4 | -157.3 | -118.5 | -29.1 | -8.4 | | | | |
| | | | | | CNT | -2.0 | -1.4 | -157.3 | -118.5 | -28.6 | -8.3 | | | | |
| | | | | | J | -2.0 | -1.4 | -157.3 | -118.5 | -28.1 | -8.3 | | | | |
| | | | | pp | I | 0.0 | -0.1 | -143.7 | 8.7 | 1181.2 | 0.4 | | | | |
| | | | | | CNT | 0.0 | -0.1 | -137.3 | 8.7 | 1216.4 | 0.4 | | | | |
| | | | | | J | 0.0 | -0.1 | -130.9 | 8.7 | 1249.9 | 0.5 | | | | |
| | | | | perm | I | 0.0 | -0.1 | -41.6 | 15.0 | 345.0 | 0.8 | | | | |
| | | | | | CNT | 0.0 | -0.1 | -40.1 | 15.0 | 355.2 | 0.8 | | | | |
| | | | | | J | 0.0 | -0.1 | -38.6 | 15.0 | 365.1 | 0.9 | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| | | | | 107 | 1 | 1 c mobili | Max | I | 1.7 | 1.9 | 72.5 | 35.9 | 851.7 | 2.4 | |
| | | | | | | | | CNT | 1.7 | 1.9 | 72.5 | 35.9 | 863.4 | 2.3 | |
| | | | | | | | | J | 1.7 | 1.9 | 72.5 | 35.9 | 888.4 | 2.1 | |
| | | | | | | | | Min | I | -2.0 | -1.4 | -152.2 | -111.1 | -28.1 | -8.5 |
| | | | | | | | | | CNT | -2.0 | -1.4 | -152.2 | -111.1 | -27.7 | -8.4 |
| J | -2.0 | -1.4 | -152.2 | | | | | | -111.1 | -27.2 | -8.5 | | | | |
| pp | I | 0.0 | -0.1 | | | | | -130.6 | 8.0 | 1249.9 | 0.5 | | | | |
| | CNT | 0.0 | -0.1 | | | | | -124.2 | 8.0 | 1281.8 | 0.5 | | | | |
| | J | 0.0 | -0.1 | | | | | -117.8 | 8.0 | 1312.0 | 0.5 | | | | |
| perm | I | 0.0 | -0.1 | | | | | -37.8 | 13.7 | 365.1 | 0.8 | | | | |
| | CNT | 0.0 | -0.1 | | | | | -36.3 | 13.7 | 374.4 | 0.9 | | | | |
| | J | 0.0 | -0.1 | | | | | -34.8 | 13.7 | 383.3 | 0.9 | | | | |
| acc | I | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | CNT | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | J | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | | | | | |
| 108 | 1 | 1 c mobili | Max | | | | | I | 1.7 | 1.9 | 75.6 | 36.4 | 888.3 | 2.4 | |
| | | | | | | | | CNT | 1.7 | 1.9 | 75.6 | 36.4 | 898.6 | 2.3 | |
| | | | | | | | | J | 1.7 | 1.9 | 75.6 | 36.4 | 921.0 | 2.2 | |
| | | | | | | | | Min | I | -2.0 | -1.5 | -147.3 | -103.4 | -27.2 | -8.6 |
| | | | | | | | | | CNT | -2.0 | -1.5 | -147.3 | -103.4 | -26.7 | -8.5 |
| | | | | J | -2.0 | -1.5 | -147.3 | | -103.4 | -26.3 | -8.6 | | | | |
| | | | | pp | I | 0.0 | -0.1 | -117.5 | 7.2 | 1312.0 | 0.5 | | | | |
| | | | | | CNT | 0.0 | -0.1 | -111.1 | 7.2 | 1340.6 | 0.5 | | | | |
| | | | | | J | 0.0 | -0.1 | -104.8 | 7.2 | 1367.6 | 0.5 | | | | |
| | | | | perm | I | 0.0 | -0.1 | -34.0 | 12.3 | 383.3 | 0.9 | | | | |
| | | | | | CNT | 0.0 | -0.1 | -32.5 | 12.3 | 391.6 | 0.9 | | | | |
| | | | | | J | 0.0 | -0.1 | -31.0 | 12.3 | 399.6 | 0.9 | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| | | | | 109 | 1 | 1 c mobili | Max | I | 1.8 | 1.8 | 79.3 | 36.6 | 920.9 | 2.4 | |
| | | | | | | | | CNT | 1.8 | 1.8 | 79.3 | 36.6 | 929.6 | 2.3 | |
| | | | | | | | | J | 1.8 | 1.8 | 79.3 | 36.6 | 949.5 | 2.2 | |
| | | | | | | | | Min | I | -2.0 | -1.5 | -142.4 | -95.7 | -26.3 | -8.7 |
| | | | | | | | | | CNT | -2.0 | -1.5 | -142.4 | -95.7 | -25.8 | -8.6 |
| J | -2.0 | -1.5 | -142.4 | | | | | | -95.7 | -25.4 | -8.7 | | | | |
| pp | I | 0.0 | -0.1 | | | | | -104.4 | 6.4 | 1367.6 | 0.5 | | | | |
| | CNT | 0.0 | -0.1 | | | | | -98.1 | 6.4 | 1393.0 | 0.5 | | | | |
| | J | 0.0 | -0.1 | | | | | -91.7 | 6.4 | 1416.7 | 0.5 | | | | |
| perm | I | 0.0 | -0.1 | | | | | -30.2 | 10.9 | 399.6 | 0.9 | | | | |
| | CNT | 0.0 | -0.1 | | | | | -28.7 | 10.9 | 406.9 | 0.9 | | | | |
| | J | 0.0 | -0.1 | | | | | -27.2 | 10.9 | 413.9 | 0.9 | | | | |
| acc | I | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | CNT | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | J | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | | | | | |
| 110 | 1 | 1 c mobili | Max | | | | | I | 1.8 | 1.8 | 82.9 | 37.1 | 949.4 | 2.5 | |
| | | | | | | | | CNT | 1.8 | 1.8 | 82.9 | 37.1 | 956.6 | 2.3 | |
| | | | | | | | | J | 1.8 | 1.8 | 82.9 | 37.1 | 973.9 | 2.2 | |
| | | | | | | | | Min | I | -2.0 | -1.6 | -137.6 | -88.1 | -25.4 | -8.8 |
| | | | | | | | | | CNT | -2.0 | -1.6 | -137.6 | -88.1 | -24.9 | -8.7 |
| | | | | J | -2.0 | -1.6 | -137.6 | | -88.1 | -24.5 | -8.7 | | | | |
| | | | | pp | I | 0.0 | -0.1 | -91.4 | 5.6 | 1416.7 | 0.5 | | | | |
| | | | | | CNT | 0.0 | -0.1 | -85.0 | 5.6 | 1438.7 | 0.5 | | | | |
| | | | | | J | 0.0 | -0.1 | -78.6 | 5.6 | 1459.2 | 0.5 | | | | |
| | | | | perm | I | 0.0 | -0.1 | -26.4 | 9.5 | 413.9 | 0.9 | | | | |
| | | | | | CNT | 0.0 | -0.1 | -24.9 | 9.5 | 420.3 | 0.9 | | | | |
| | | | | | J | 0.0 | -0.1 | -23.4 | 9.5 | 426.4 | 0.9 | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|--------------|------|------|--------|-------|--------|------|-----|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 111 | 1 | 1 c mobili | Max I | 1.8 | 1.8 | 86.6 | 38.6 | 973.8 | 2.5 | | |
| | | | CNT | 1.8 | 1.8 | 86.6 | 38.6 | 979.5 | 2.3 | | |
| | | | J | 1.8 | 1.8 | 86.6 | 38.6 | 994.4 | 2.2 | | |
| | | | Min I | -2.0 | -1.6 | -132.9 | -80.6 | -24.5 | -8.8 | | |
| | | | CNT | -2.0 | -1.6 | -132.9 | -80.6 | -24.1 | -8.7 | | |
| | | | J | -2.0 | -1.6 | -132.9 | -80.6 | -23.6 | -8.8 | | |
| | | | pp I | 0.0 | -0.0 | -78.3 | 4.7 | 1459.2 | 0.5 | | |
| | | | CNT | 0.0 | -0.0 | -71.9 | 4.7 | 1478.0 | 0.5 | | |
| | | | J | 0.0 | -0.0 | -65.6 | 4.7 | 1495.2 | 0.6 | | |
| | | | perm I | 0.0 | -0.1 | -22.5 | 8.0 | 426.4 | 0.9 | | |
| | | | CNT | 0.0 | -0.1 | -21.0 | 8.0 | 431.8 | 0.9 | | |
| | | | J | 0.0 | -0.1 | -19.5 | 8.0 | 436.9 | 1.0 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 112 | 1 | 1 c mobili | Max I | 1.8 | 1.8 | 90.3 | 40.1 | 994.4 | 2.5 | | |
| | | | CNT | 1.8 | 1.8 | 90.3 | 40.1 | 998.5 | 2.3 | | |
| | | | J | 1.8 | 1.8 | 90.3 | 40.1 | 1011.0 | 2.2 | | |
| | | | Min I | -2.0 | -1.6 | -128.3 | -73.2 | -23.6 | -8.9 | | |
| | | | CNT | -2.0 | -1.6 | -128.3 | -73.2 | -23.2 | -8.8 | | |
| | | | J | -2.0 | -1.6 | -128.3 | -73.2 | -22.7 | -8.8 | | |
| | | | pp I | 0.0 | -0.0 | -65.2 | 3.9 | 1495.2 | 0.5 | | |
| | | | CNT | 0.0 | -0.0 | -58.8 | 3.9 | 1510.7 | 0.6 | | |
| | | | J | 0.0 | -0.0 | -52.5 | 3.9 | 1524.6 | 0.6 | | |
| | | | perm I | 0.0 | -0.1 | -18.7 | 6.6 | 436.9 | 0.9 | | |
| | | | CNT | 0.0 | -0.1 | -17.2 | 6.6 | 441.4 | 0.9 | | |
| | | | J | 0.0 | -0.1 | -15.7 | 6.6 | 445.5 | 1.0 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 113 | 1 | 1 c mobili | Max I | 1.9 | 1.8 | 94.0 | 41.6 | 1010.9 | 2.4 | | |
| | | | CNT | 1.9 | 1.8 | 94.0 | 41.6 | 1013.5 | 2.3 | | |
| | | | J | 1.9 | 1.8 | 94.0 | 41.6 | 1023.5 | 2.2 | | |
| | | | Min I | -2.0 | -1.6 | -123.7 | -66.7 | -22.7 | -8.8 | | |
| | | | CNT | -2.0 | -1.6 | -123.7 | -66.7 | -22.3 | -8.8 | | |
| | | | J | -2.0 | -1.6 | -123.7 | -66.7 | -21.9 | -8.9 | | |
| | | | pp I | 0.0 | -0.0 | -52.1 | 3.0 | 1524.6 | 0.6 | | |
| | | | CNT | 0.0 | -0.0 | -45.8 | 3.0 | 1536.9 | 0.6 | | |
| | | | J | 0.0 | -0.0 | -39.4 | 3.0 | 1547.5 | 0.6 | | |
| | | | perm I | 0.0 | -0.0 | -14.9 | 5.1 | 445.5 | 0.9 | | |
| | | | CNT | 0.0 | -0.0 | -13.4 | 5.1 | 449.1 | 1.0 | | |
| | | | J | 0.0 | -0.0 | -11.9 | 5.1 | 452.2 | 1.0 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 114 | 1 | 1 c mobili | Max I | 1.9 | 1.7 | 97.9 | 43.0 | 1023.4 | 2.4 | | |
| | | | CNT | 1.9 | 1.7 | 97.9 | 43.0 | 1024.6 | 2.3 | | |
| | | | J | 1.9 | 1.7 | 97.9 | 43.0 | 1032.2 | 2.2 | | |
| | | | Min I | -2.0 | -1.7 | -119.2 | -61.2 | -21.9 | -8.8 | | |
| | | | CNT | -2.0 | -1.7 | -119.2 | -61.2 | -21.4 | -8.7 | | |
| | | | J | -2.0 | -1.7 | -119.2 | -61.2 | -21.0 | -8.9 | | |
| | | | pp I | 0.0 | -0.0 | -39.1 | 2.2 | 1547.5 | 0.6 | | |
| | | | CNT | 0.0 | -0.0 | -32.7 | 2.2 | 1556.5 | 0.6 | | |
| | | | J | 0.0 | -0.0 | -26.3 | 2.2 | 1563.9 | 0.6 | | |
| | | | perm I | -0.0 | -0.0 | -11.1 | 3.7 | 452.2 | 1.0 | | |
| | | | CNT | -0.0 | -0.0 | -9.6 | 3.7 | 454.8 | 1.0 | | |
| | | | J | -0.0 | -0.0 | -8.1 | 3.7 | 457.0 | 1.0 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 115 | 1 | 1 c mobili | Max I | 1.9 | 1.7 | 102.0 | 44.8 | 1032.1 | 2.4 | | |
| | | | CNT | 1.9 | 1.7 | 102.0 | 44.8 | 1031.8 | 2.2 | | |
| | | | J | 1.9 | 1.7 | 102.0 | 44.8 | 1037.0 | 2.1 | | |
| | | | Min I | -2.0 | -1.7 | -114.7 | -56.0 | -21.0 | -8.9 | | |
| | | | CNT | -2.0 | -1.7 | -114.7 | -56.0 | -20.6 | -8.7 | | |
| | | | J | -2.0 | -1.7 | -114.7 | -56.0 | -20.1 | -8.8 | | |
| | | | pp I | 0.0 | -0.0 | -26.0 | 1.3 | 1563.9 | 0.6 | | |
| | | | CNT | 0.0 | -0.0 | -19.6 | 1.3 | 1569.6 | 0.6 | | |
| | | | J | 0.0 | -0.0 | -13.2 | 1.3 | 1573.7 | 0.6 | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|------|--------|-------|--------|------|
| | | | perm | I | -0.0 | -0.0 | -7.2 | 2.2 | 457.0 | 1.0 |
| | | | | CNT | -0.0 | -0.0 | -5.7 | 2.2 | 458.6 | 1.0 |
| | | | | J | -0.0 | -0.0 | -4.2 | 2.2 | 459.9 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 116 | 1 | 1 c mobili | Max | I | 1.9 | 1.7 | 106.1 | 47.2 | 1036.9 | 2.3 |
| | | | | CNT | 1.9 | 1.7 | 106.1 | 47.2 | 1035.1 | 2.2 |
| | | | | J | 1.9 | 1.7 | 106.1 | 47.2 | 1037.8 | 2.2 |
| | | | Min | I | -2.0 | -1.7 | -110.4 | -51.0 | -20.1 | -8.9 |
| | | | | CNT | -2.0 | -1.7 | -110.4 | -51.0 | -19.7 | -8.8 |
| | | | | J | -2.0 | -1.7 | -110.4 | -51.0 | -19.3 | -8.9 |
| | | | pp | I | 0.0 | -0.0 | -12.9 | 0.4 | 1573.7 | 0.6 |
| | | | | CNT | 0.0 | -0.0 | -6.5 | 0.4 | 1576.1 | 0.6 |
| | | | | J | 0.0 | -0.0 | -0.2 | 0.4 | 1577.0 | 0.6 |
| | | | perm | I | -0.0 | -0.0 | -3.4 | 0.7 | 459.9 | 1.0 |
| | | | | CNT | -0.0 | -0.0 | -1.9 | 0.7 | 460.5 | 1.0 |
| | | | | J | -0.0 | -0.0 | -0.4 | 0.7 | 460.8 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 117 | 1 | 1 c mobili | Max | I | 1.9 | 1.7 | 110.4 | 51.0 | 1037.8 | 2.2 |
| | | | | CNT | 1.9 | 1.7 | 110.4 | 51.0 | 1035.1 | 2.2 |
| | | | | J | 1.9 | 1.7 | 110.4 | 51.0 | 1036.9 | 2.3 |
| | | | Min | I | -2.0 | -1.7 | -106.1 | -47.2 | -19.3 | -8.9 |
| | | | | CNT | -2.0 | -1.7 | -106.1 | -47.2 | -19.7 | -8.8 |
| | | | | J | -2.0 | -1.7 | -106.1 | -47.2 | -20.1 | -8.9 |
| | | | pp | I | 0.0 | 0.0 | 0.2 | -0.4 | 1577.0 | 0.6 |
| | | | | CNT | 0.0 | 0.0 | 6.5 | -0.4 | 1576.1 | 0.6 |
| | | | | J | 0.0 | 0.0 | 12.9 | -0.4 | 1573.7 | 0.6 |
| | | | perm | I | -0.0 | 0.0 | 0.4 | -0.7 | 460.8 | 1.0 |
| | | | | CNT | -0.0 | 0.0 | 1.9 | -0.7 | 460.5 | 1.0 |
| | | | | J | -0.0 | 0.0 | 3.4 | -0.7 | 459.9 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 118 | 1 | 1 c mobili | Max | I | 1.9 | 1.7 | 114.7 | 56.0 | 1037.0 | 2.1 |
| | | | | CNT | 1.9 | 1.7 | 114.7 | 56.0 | 1031.8 | 2.2 |
| | | | | J | 1.9 | 1.7 | 114.7 | 56.0 | 1032.1 | 2.4 |
| | | | Min | I | -2.0 | -1.7 | -102.0 | -44.8 | -20.1 | -8.8 |
| | | | | CNT | -2.0 | -1.7 | -102.0 | -44.8 | -20.6 | -8.7 |
| | | | | J | -2.0 | -1.7 | -102.0 | -44.8 | -21.0 | -8.9 |
| | | | pp | I | 0.0 | 0.0 | 13.2 | -1.3 | 1573.7 | 0.6 |
| | | | | CNT | 0.0 | 0.0 | 19.6 | -1.3 | 1569.6 | 0.6 |
| | | | | J | 0.0 | 0.0 | 26.0 | -1.3 | 1563.9 | 0.6 |
| | | | perm | I | -0.0 | 0.0 | 4.2 | -2.2 | 459.9 | 1.0 |
| | | | | CNT | -0.0 | 0.0 | 5.7 | -2.2 | 458.6 | 1.0 |
| | | | | J | -0.0 | 0.0 | 7.2 | -2.2 | 457.0 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 119 | 1 | 1 c mobili | Max | I | 1.9 | 1.7 | 119.2 | 61.2 | 1032.2 | 2.2 |
| | | | | CNT | 1.9 | 1.7 | 119.2 | 61.2 | 1024.6 | 2.3 |
| | | | | J | 1.9 | 1.7 | 119.2 | 61.2 | 1023.4 | 2.4 |
| | | | Min | I | -2.0 | -1.7 | -97.9 | -43.0 | -21.0 | -8.9 |
| | | | | CNT | -2.0 | -1.7 | -97.9 | -43.0 | -21.4 | -8.7 |
| | | | | J | -2.0 | -1.7 | -97.9 | -43.0 | -21.9 | -8.8 |
| | | | pp | I | 0.0 | 0.0 | 26.3 | -2.2 | 1563.9 | 0.6 |
| | | | | CNT | 0.0 | 0.0 | 32.7 | -2.2 | 1556.5 | 0.6 |
| | | | | J | 0.0 | 0.0 | 39.1 | -2.2 | 1547.5 | 0.6 |
| | | | perm | I | -0.0 | 0.0 | 8.1 | -3.7 | 457.0 | 1.0 |
| | | | | CNT | -0.0 | 0.0 | 9.6 | -3.7 | 454.8 | 1.0 |
| | | | | J | -0.0 | 0.0 | 11.1 | -3.7 | 452.2 | 1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 120 | 1 | 1 c mobili | Max | I | 1.9 | 1.6 | 123.7 | 66.7 | 1023.5 | 2.2 |
| | | | | CNT | 1.9 | 1.6 | 123.7 | 66.7 | 1013.5 | 2.3 |
| | | | | J | 1.9 | 1.6 | 123.7 | 66.7 | 1010.9 | 2.4 |
| | | | Min | I | -2.0 | -1.8 | -94.0 | -41.6 | -21.9 | -8.9 |
| | | | | CNT | -2.0 | -1.8 | -94.0 | -41.6 | -22.3 | -8.8 |
| | | | | J | -2.0 | -1.8 | -94.0 | -41.6 | -22.7 | -8.8 |

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|-----|---|--------------|------------|--------------|------|------|-------|-------|--------|------|
| | | | pp | I | 0.0 | 0.0 | 39.4 | -3.0 | 1547.5 | 0.6 |
| | | | | CNT | 0.0 | 0.0 | 45.8 | -3.0 | 1536.9 | 0.6 |
| | | | | J | 0.0 | 0.0 | 52.1 | -3.0 | 1524.6 | 0.6 |
| | | | perm | I | 0.0 | 0.0 | 11.9 | -5.1 | 452.2 | 1.0 |
| | | | | CNT | 0.0 | 0.0 | 13.4 | -5.1 | 449.1 | 1.0 |
| | | | | J | 0.0 | 0.0 | 14.9 | -5.1 | 445.5 | 0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 121 | 1 | 1 c mobili | Max | I | 1.8 | 1.6 | 128.3 | 73.2 | 1011.0 | 2.2 |
| | | | | CNT | 1.8 | 1.6 | 128.3 | 73.2 | 998.5 | 2.3 |
| | | | | J | 1.8 | 1.6 | 128.3 | 73.2 | 994.4 | 2.5 |
| | | | Min | I | -2.0 | -1.8 | -90.3 | -40.1 | -22.7 | -8.8 |
| | | | | CNT | -2.0 | -1.8 | -90.3 | -40.1 | -23.2 | -8.8 |
| | | | | J | -2.0 | -1.8 | -90.3 | -40.1 | -23.6 | -8.9 |
| | | | pp | I | 0.0 | 0.0 | 52.5 | -3.9 | 1524.6 | 0.6 |
| | | | | CNT | 0.0 | 0.0 | 58.8 | -3.9 | 1510.7 | 0.6 |
| | | | | J | 0.0 | 0.0 | 65.2 | -3.9 | 1495.2 | 0.5 |
| | | | perm | I | 0.0 | 0.1 | 15.7 | -6.6 | 445.5 | 1.0 |
| | | | | CNT | 0.0 | 0.1 | 17.2 | -6.6 | 441.4 | 0.9 |
| | | | | J | 0.0 | 0.1 | 18.7 | -6.6 | 436.9 | 0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 122 | 1 | 1 c mobili | Max | I | 1.8 | 1.6 | 132.9 | 80.6 | 994.4 | 2.2 |
| | | | | CNT | 1.8 | 1.6 | 132.9 | 80.6 | 979.5 | 2.3 |
| | | | | J | 1.8 | 1.6 | 132.9 | 80.6 | 973.8 | 2.5 |
| | | | Min | I | -2.0 | -1.8 | -86.6 | -38.6 | -23.6 | -8.8 |
| | | | | CNT | -2.0 | -1.8 | -86.6 | -38.6 | -24.1 | -8.7 |
| | | | | J | -2.0 | -1.8 | -86.6 | -38.6 | -24.5 | -8.8 |
| | | | pp | I | 0.0 | 0.0 | 65.6 | -4.7 | 1495.2 | 0.6 |
| | | | | CNT | 0.0 | 0.0 | 71.9 | -4.7 | 1478.0 | 0.5 |
| | | | | J | 0.0 | 0.0 | 78.3 | -4.7 | 1459.2 | 0.5 |
| | | | perm | I | 0.0 | 0.1 | 19.5 | -8.0 | 436.9 | 1.0 |
| | | | | CNT | 0.0 | 0.1 | 21.0 | -8.0 | 431.8 | 0.9 |
| | | | | J | 0.0 | 0.1 | 22.5 | -8.0 | 426.4 | 0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 123 | 1 | 1 c mobili | Max | I | 1.8 | 1.6 | 137.6 | 88.1 | 973.9 | 2.2 |
| | | | | CNT | 1.8 | 1.6 | 137.6 | 88.1 | 956.6 | 2.3 |
| | | | | J | 1.8 | 1.6 | 137.6 | 88.1 | 949.4 | 2.5 |
| | | | Min | I | -2.0 | -1.8 | -82.9 | -37.1 | -24.5 | -8.7 |
| | | | | CNT | -2.0 | -1.8 | -82.9 | -37.1 | -24.9 | -8.7 |
| | | | | J | -2.0 | -1.8 | -82.9 | -37.1 | -25.4 | -8.8 |
| | | | pp | I | 0.0 | 0.1 | 78.6 | -5.6 | 1459.2 | 0.5 |
| | | | | CNT | 0.0 | 0.1 | 85.0 | -5.6 | 1438.7 | 0.5 |
| | | | | J | 0.0 | 0.1 | 91.4 | -5.6 | 1416.7 | 0.5 |
| | | | perm | I | 0.0 | 0.1 | 23.4 | -9.5 | 426.4 | 0.9 |
| | | | | CNT | 0.0 | 0.1 | 24.9 | -9.5 | 420.3 | 0.9 |
| | | | | J | 0.0 | 0.1 | 26.4 | -9.5 | 413.9 | 0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 124 | 1 | 1 c mobili | Max | I | 1.8 | 1.5 | 142.4 | 95.7 | 949.5 | 2.2 |
| | | | | CNT | 1.8 | 1.5 | 142.4 | 95.7 | 929.6 | 2.3 |
| | | | | J | 1.8 | 1.5 | 142.4 | 95.7 | 920.9 | 2.4 |
| | | | Min | I | -2.0 | -1.8 | -79.3 | -36.6 | -25.4 | -8.7 |
| | | | | CNT | -2.0 | -1.8 | -79.3 | -36.6 | -25.8 | -8.6 |
| | | | | J | -2.0 | -1.8 | -79.3 | -36.6 | -26.3 | -8.7 |
| | | | pp | I | 0.0 | 0.1 | 91.7 | -6.4 | 1416.7 | 0.5 |
| | | | | CNT | 0.0 | 0.1 | 98.1 | -6.4 | 1393.0 | 0.5 |
| | | | | J | 0.0 | 0.1 | 104.4 | -6.4 | 1367.6 | 0.5 |
| | | | perm | I | 0.0 | 0.1 | 27.2 | -10.9 | 413.9 | 0.9 |
| | | | | CNT | 0.0 | 0.1 | 28.7 | -10.9 | 406.9 | 0.9 |
| | | | | J | 0.0 | 0.1 | 30.2 | -10.9 | 399.6 | 0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 125 | 1 | 1 c mobili | Max | I | 1.7 | 1.5 | 147.3 | 103.4 | 921.0 | 2.2 |

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|-----|---|--------------|------------|--------------|------|-------|-------|--------|-------|-----|
| | | | CNT | 1.7 | 1.5 | 147.3 | 103.4 | 898.6 | 2.3 | |
| | | | J | 1.7 | 1.5 | 147.3 | 103.4 | 888.3 | 2.4 | |
| | | Min | I | -2.0 | -1.9 | -75.6 | -36.4 | -26.3 | -8.6 | |
| | | | CNT | -2.0 | -1.9 | -75.6 | -36.4 | -26.7 | -8.5 | |
| | | | J | -2.0 | -1.9 | -75.6 | -36.4 | -27.2 | -8.6 | |
| | | pp | I | 0.0 | 0.1 | 104.8 | -7.2 | 1367.6 | 0.5 | |
| | | | CNT | 0.0 | 0.1 | 111.1 | -7.2 | 1340.6 | 0.5 | |
| | | | J | 0.0 | 0.1 | 117.5 | -7.2 | 1312.0 | 0.5 | |
| | | perm | I | 0.0 | 0.1 | 31.0 | -12.3 | 399.6 | 0.9 | |
| | | | CNT | 0.0 | 0.1 | 32.5 | -12.3 | 391.6 | 0.9 | |
| | | | J | 0.0 | 0.1 | 34.0 | -12.3 | 383.3 | 0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 126 | 1 | 1 c mobili | Max | I | 1.7 | 1.4 | 152.2 | 111.1 | 888.4 | 2.1 |
| | | | | CNT | 1.7 | 1.4 | 152.2 | 111.1 | 863.4 | 2.3 |
| | | | | J | 1.7 | 1.4 | 152.2 | 111.1 | 851.7 | 2.4 |
| | | Min | I | -2.0 | -1.9 | -72.5 | -35.9 | -27.2 | -8.5 | |
| | | | CNT | -2.0 | -1.9 | -72.5 | -35.9 | -27.7 | -8.4 | |
| | | | J | -2.0 | -1.9 | -72.5 | -35.9 | -28.1 | -8.5 | |
| | | pp | I | 0.0 | 0.1 | 117.8 | -8.0 | 1312.0 | 0.5 | |
| | | | CNT | 0.0 | 0.1 | 124.2 | -8.0 | 1281.8 | 0.5 | |
| | | | J | 0.0 | 0.1 | 130.6 | -8.0 | 1249.9 | 0.5 | |
| | | perm | I | 0.0 | 0.1 | 34.8 | -13.7 | 383.3 | 0.9 | |
| | | | CNT | 0.0 | 0.1 | 36.3 | -13.7 | 374.4 | 0.9 | |
| | | | J | 0.0 | 0.1 | 37.8 | -13.7 | 365.1 | 0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 127 | 1 | 1 c mobili | Max | I | 1.7 | 1.4 | 157.3 | 118.5 | 851.8 | 2.1 |
| | | | | CNT | 1.7 | 1.4 | 157.3 | 118.5 | 824.1 | 2.2 |
| | | | | J | 1.7 | 1.4 | 157.3 | 118.5 | 810.8 | 2.4 |
| | | Min | I | -2.0 | -1.9 | -69.5 | -35.0 | -28.1 | -8.3 | |
| | | | CNT | -2.0 | -1.9 | -69.5 | -35.0 | -28.6 | -8.3 | |
| | | | J | -2.0 | -1.9 | -69.5 | -35.0 | -29.1 | -8.4 | |
| | | pp | I | 0.0 | 0.1 | 130.9 | -8.7 | 1249.9 | 0.5 | |
| | | | CNT | 0.0 | 0.1 | 137.3 | -8.7 | 1216.4 | 0.4 | |
| | | | J | 0.0 | 0.1 | 143.7 | -8.7 | 1181.2 | 0.4 | |
| | | perm | I | 0.0 | 0.1 | 38.6 | -15.0 | 365.1 | 0.9 | |
| | | | CNT | 0.0 | 0.1 | 40.1 | -15.0 | 355.2 | 0.8 | |
| | | | J | 0.0 | 0.1 | 41.6 | -15.0 | 345.0 | 0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 128 | 1 | 1 c mobili | Max | I | 1.6 | 1.3 | 162.5 | 125.8 | 810.9 | 2.1 |
| | | | | CNT | 1.6 | 1.3 | 162.5 | 125.8 | 780.5 | 2.2 |
| | | | | J | 1.6 | 1.3 | 162.5 | 125.8 | 765.7 | 2.3 |
| | | Min | I | -2.0 | -2.0 | -66.2 | -33.6 | -29.1 | -8.1 | |
| | | | CNT | -2.0 | -2.0 | -66.2 | -33.6 | -29.6 | -8.1 | |
| | | | J | -2.0 | -2.0 | -66.2 | -33.6 | -30.0 | -8.2 | |
| | | pp | I | 0.0 | 0.1 | 144.0 | -9.4 | 1181.2 | 0.4 | |
| | | | CNT | 0.0 | 0.1 | 150.3 | -9.4 | 1144.4 | 0.4 | |
| | | | J | 0.0 | 0.1 | 156.7 | -9.4 | 1106.0 | 0.4 | |
| | | perm | I | 0.0 | 0.2 | 42.5 | -16.3 | 345.0 | 0.8 | |
| | | | CNT | 0.0 | 0.2 | 44.0 | -16.3 | 334.2 | 0.8 | |
| | | | J | 0.0 | 0.2 | 45.5 | -16.3 | 323.0 | 0.7 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 129 | 1 | 1 c mobili | Max | I | 1.6 | 1.2 | 167.9 | 132.8 | 765.8 | 2.0 |
| | | | | CNT | 1.6 | 1.2 | 167.9 | 132.8 | 732.6 | 2.1 |
| | | | | J | 1.6 | 1.2 | 167.9 | 132.8 | 716.1 | 2.3 |
| | | Min | I | -2.1 | -2.0 | -62.8 | -31.8 | -30.0 | -7.9 | |
| | | | CNT | -2.1 | -2.0 | -62.8 | -31.8 | -30.5 | -7.9 | |
| | | | J | -2.1 | -2.0 | -62.8 | -31.8 | -31.1 | -7.9 | |
| | | pp | I | 0.0 | 0.1 | 157.0 | -10.1 | 1106.0 | 0.4 | |
| | | | CNT | 0.0 | 0.1 | 163.4 | -10.1 | 1066.0 | 0.4 | |
| | | | J | 0.0 | 0.1 | 169.7 | -10.1 | 1024.3 | 0.3 | |
| | | perm | I | 0.0 | 0.2 | 46.3 | -17.6 | 323.0 | 0.8 | |
| | | | CNT | 0.0 | 0.2 | 47.8 | -17.6 | 311.2 | 0.7 | |
| | | | J | 0.0 | 0.2 | 49.3 | -17.6 | 299.1 | 0.7 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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|-----|--------------|------------|--------------|------|------|-------|-------|--------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 130 | 1 | 1 c mobili | Max I | 1.5 | 1.2 | 173.5 | 139.5 | 716.3 | 2.0 |
| | | | CNT | 1.5 | 1.2 | 173.5 | 139.5 | 680.3 | 2.1 |
| | | | J | 1.5 | 1.2 | 173.5 | 139.5 | 662.1 | 2.2 |
| | | Min | I | -2.1 | -2.1 | -59.0 | -29.7 | -31.1 | -7.6 |
| | | | CNT | -2.1 | -2.1 | -59.0 | -29.7 | -31.6 | -7.6 |
| | | | J | -2.1 | -2.1 | -59.0 | -29.7 | -32.1 | -7.6 |
| | | pp | I | 0.0 | 0.1 | 170.0 | -10.7 | 1024.3 | 0.4 |
| | | | CNT | 0.0 | 0.1 | 176.4 | -10.7 | 981.0 | 0.3 |
| | | | J | 0.0 | 0.1 | 182.8 | -10.7 | 936.1 | 0.3 |
| | | perm | I | 0.0 | 0.2 | 50.1 | -18.8 | 299.0 | 0.7 |
| | | | CNT | 0.0 | 0.2 | 51.6 | -18.8 | 286.3 | 0.7 |
| | | | J | 0.0 | 0.2 | 53.1 | -18.8 | 273.3 | 0.6 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 131 | 1 | 1 c mobili | Max I | 1.5 | 1.1 | 179.3 | 145.8 | 662.3 | 1.9 |
| | | | CNT | 1.5 | 1.1 | 179.3 | 145.8 | 623.2 | 2.0 |
| | | | J | 1.5 | 1.1 | 179.3 | 145.8 | 603.3 | 2.2 |
| | | Min | I | -2.1 | -2.2 | -54.9 | -27.4 | -32.1 | -7.2 |
| | | | CNT | -2.1 | -2.2 | -54.9 | -27.4 | -32.7 | -7.1 |
| | | | J | -2.1 | -2.2 | -54.9 | -27.4 | -33.2 | -7.0 |
| | | pp | I | 0.0 | 0.1 | 183.0 | -11.2 | 936.0 | 0.3 |
| | | | CNT | 0.0 | 0.1 | 189.4 | -11.2 | 889.5 | 0.3 |
| | | | J | 0.0 | 0.1 | 195.7 | -11.2 | 841.4 | 0.2 |
| | | perm | I | 0.0 | 0.2 | 53.8 | -19.9 | 273.2 | 0.6 |
| | | | CNT | 0.0 | 0.2 | 55.3 | -19.9 | 259.6 | 0.6 |
| | | | J | 0.0 | 0.2 | 56.8 | -19.9 | 245.6 | 0.5 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 132 | 1 | 1 c mobili | Max I | 1.4 | 1.1 | 185.5 | 151.6 | 603.5 | 1.9 |
| | | | CNT | 1.4 | 1.1 | 185.5 | 151.6 | 561.1 | 2.0 |
| | | | J | 1.4 | 1.1 | 185.5 | 151.6 | 539.5 | 2.1 |
| | | Min | I | -2.1 | -2.2 | -50.2 | -25.3 | -33.2 | -6.9 |
| | | | CNT | -2.1 | -2.2 | -50.2 | -25.3 | -33.8 | -6.7 |
| | | | J | -2.1 | -2.2 | -50.2 | -25.3 | -34.4 | -6.6 |
| | | pp | I | 0.0 | 0.1 | 195.9 | -11.7 | 841.3 | 0.2 |
| | | | CNT | 0.0 | 0.1 | 202.3 | -11.7 | 791.5 | 0.2 |
| | | | J | 0.0 | 0.1 | 208.7 | -11.7 | 740.2 | 0.2 |
| | | perm | I | 0.0 | 0.2 | 57.6 | -20.9 | 245.5 | 0.6 |
| | | | CNT | 0.0 | 0.2 | 59.1 | -20.9 | 230.9 | 0.5 |
| | | | J | 0.0 | 0.2 | 60.6 | -20.9 | 216.0 | 0.4 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 133 | 1 | 1 c mobili | Max I | 1.3 | 1.0 | 192.3 | 156.7 | 539.7 | 1.8 |
| | | | CNT | 1.3 | 1.0 | 192.3 | 156.7 | 493.8 | 1.9 |
| | | | J | 1.3 | 1.0 | 192.3 | 156.7 | 470.3 | 2.1 |
| | | Min | I | -2.0 | -2.3 | -44.6 | -27.1 | -34.4 | -6.4 |
| | | | CNT | -2.0 | -2.3 | -44.6 | -27.1 | -35.1 | -6.2 |
| | | | J | -2.0 | -2.3 | -44.6 | -27.1 | -35.7 | -6.1 |
| | | pp | I | -0.0 | 0.1 | 208.8 | -12.0 | 740.1 | 0.2 |
| | | | CNT | -0.0 | 0.1 | 215.1 | -12.0 | 687.1 | 0.1 |
| | | | J | -0.0 | 0.1 | 221.5 | -12.0 | 632.5 | 0.1 |
| | | perm | I | 0.0 | 0.2 | 61.2 | -21.8 | 215.9 | 0.5 |
| | | | CNT | 0.0 | 0.2 | 62.7 | -21.8 | 200.4 | 0.4 |
| | | | J | 0.0 | 0.2 | 64.2 | -21.8 | 184.6 | 0.3 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 134 | 1 | 1 c mobili | Max I | 1.2 | 0.9 | 199.7 | 161.0 | 470.4 | 1.8 |
| | | | CNT | 1.2 | 0.9 | 199.7 | 161.0 | 421.0 | 1.9 |
| | | | J | 1.2 | 0.9 | 199.7 | 161.0 | 395.0 | 2.1 |
| | | Min | I | -2.0 | -2.3 | -37.9 | -28.9 | -35.8 | -5.8 |
| | | | CNT | -2.0 | -2.3 | -37.9 | -28.9 | -36.5 | -5.5 |
| | | | J | -2.0 | -2.3 | -37.9 | -28.9 | -37.2 | -5.3 |
| | | pp | I | -0.0 | 0.1 | 221.5 | -12.3 | 632.5 | 0.1 |
| | | | CNT | -0.0 | 0.1 | 227.8 | -12.3 | 576.3 | 0.0 |
| | | | J | -0.0 | 0.1 | 234.2 | -12.3 | 518.6 | 0.0 |
| | | perm | I | -0.0 | 0.2 | 64.8 | -22.5 | 184.5 | 0.3 |

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| | | | | | | | | | |
|-----|--------------|------------|--------------|------|------|--------|-------|-------|------|
| | | | CNT | -0.0 | 0.2 | 66.3 | -22.5 | 168.1 | 0.3 |
| | | | J | -0.0 | 0.2 | 67.8 | -22.5 | 151.4 | 0.2 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 135 | 1 | 1 c mobili | Max I | 1.1 | 0.9 | 208.3 | 164.0 | 395.1 | 1.8 |
| | | | CNT | 1.1 | 0.9 | 208.3 | 164.0 | 343.4 | 1.9 |
| | | | J | 1.1 | 0.9 | 208.3 | 164.0 | 312.7 | 2.1 |
| | | Min | I | -1.8 | -2.3 | -29.3 | -30.7 | -37.2 | -5.0 |
| | | | CNT | -1.8 | -2.3 | -29.3 | -30.7 | -38.1 | -4.7 |
| | | | J | -1.8 | -2.3 | -29.3 | -30.7 | -38.9 | -4.4 |
| | | pp | I | -0.1 | 0.1 | 234.0 | -12.3 | 518.5 | -0.0 |
| | | | CNT | -0.1 | 0.1 | 240.4 | -12.3 | 459.2 | -0.0 |
| | | | J | -0.1 | 0.1 | 246.8 | -12.3 | 398.3 | -0.0 |
| | | perm | I | -0.0 | 0.2 | 68.3 | -22.9 | 151.3 | 0.2 |
| | | | CNT | -0.0 | 0.2 | 69.8 | -22.9 | 134.0 | 0.1 |
| | | | J | -0.0 | 0.2 | 71.3 | -22.9 | 116.4 | 0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 136 | 1 | 1 c mobili | Max I | 1.0 | 0.9 | 218.7 | 165.4 | 312.8 | 1.8 |
| | | | CNT | 1.0 | 0.9 | 218.7 | 165.4 | 258.5 | 1.9 |
| | | | J | 1.0 | 0.9 | 218.7 | 165.4 | 222.0 | 2.1 |
| | | Min | I | -1.6 | -2.2 | -20.6 | -32.5 | -38.9 | -3.9 |
| | | | CNT | -1.6 | -2.2 | -20.6 | -32.5 | -39.9 | -3.6 |
| | | | J | -1.6 | -2.2 | -20.6 | -32.5 | -40.9 | -3.4 |
| | | pp | I | -0.1 | 0.0 | 246.3 | -12.1 | 398.3 | -0.1 |
| | | | CNT | -0.1 | 0.0 | 252.7 | -12.1 | 335.9 | -0.1 |
| | | | J | -0.1 | 0.0 | 259.0 | -12.1 | 271.9 | -0.1 |
| | | perm | I | -0.1 | 0.2 | 71.5 | -23.0 | 116.4 | 0.1 |
| | | | CNT | -0.1 | 0.2 | 73.0 | -23.0 | 98.3 | 0.0 |
| | | | J | -0.1 | 0.2 | 74.5 | -23.0 | 79.9 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 137 | 1 | 1 c mobili | Max I | 1.0 | 1.0 | 231.7 | 164.1 | 222.1 | 1.9 |
| | | | CNT | 1.0 | 1.0 | 231.7 | 164.1 | 164.5 | 2.0 |
| | | | J | 1.0 | 1.0 | 231.7 | 164.1 | 120.7 | 2.1 |
| | | Min | I | -1.3 | -2.0 | -13.9 | -34.2 | -40.9 | -2.8 |
| | | | CNT | -1.3 | -2.0 | -13.9 | -34.2 | -42.1 | -2.5 |
| | | | J | -1.3 | -2.0 | -13.9 | -34.2 | -43.3 | -2.2 |
| | | pp | I | -0.2 | -0.0 | 258.2 | -11.6 | 271.9 | -0.2 |
| | | | CNT | -0.2 | -0.0 | 264.6 | -11.6 | 206.5 | -0.1 |
| | | | J | -0.2 | -0.0 | 270.9 | -11.6 | 139.6 | -0.1 |
| | | perm | I | -0.1 | 0.2 | 74.4 | -22.6 | 79.8 | -0.1 |
| | | | CNT | -0.1 | 0.2 | 75.9 | -22.6 | 61.0 | -0.1 |
| | | | J | -0.1 | 0.2 | 77.4 | -22.6 | 41.9 | -0.2 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 138 | 1 | 1 c mobili | Max I | 1.0 | 1.2 | 249.5 | 158.6 | 120.8 | 1.9 |
| | | | CNT | 1.0 | 1.2 | 249.5 | 158.6 | 66.7 | 1.9 |
| | | | J | 1.0 | 1.2 | 249.5 | 158.6 | 40.2 | 2.0 |
| | | Min | I | -1.0 | -1.8 | -7.0 | -36.0 | -43.3 | -1.7 |
| | | | CNT | -1.0 | -1.8 | -7.0 | -36.0 | -46.7 | -1.5 |
| | | | J | -1.0 | -1.8 | -7.0 | -36.0 | -61.6 | -1.5 |
| | | pp | I | -0.2 | -0.1 | 269.5 | -10.5 | 139.5 | -0.2 |
| | | | CNT | -0.2 | -0.1 | 275.9 | -10.5 | 71.3 | -0.2 |
| | | | J | -0.2 | -0.1 | 282.3 | -10.5 | 1.6 | -0.1 |
| | | perm | I | -0.1 | 0.1 | 76.8 | -21.3 | 41.8 | -0.2 |
| | | | CNT | -0.1 | 0.1 | 78.3 | -21.3 | 22.4 | -0.2 |
| | | | J | -0.1 | 0.1 | 79.8 | -21.3 | 2.6 | -0.2 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 139 | 1 | 1 c mobili | Max I | 0.8 | 1.3 | 64.6 | 146.4 | 39.7 | 1.5 |
| | | | CNT | 0.8 | 1.3 | 64.6 | 146.4 | 23.6 | 1.6 |
| | | | J | 0.8 | 1.3 | 64.6 | 146.4 | 8.4 | 1.7 |
| | | Min | I | -0.7 | -1.4 | -118.3 | -38.0 | -61.5 | -1.0 |
| | | | CNT | -0.7 | -1.4 | -118.3 | -38.0 | -31.9 | -1.0 |
| | | | J | -0.7 | -1.4 | -118.3 | -38.0 | -8.5 | -1.1 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|-----------------------|------|------|-------|-------|-------|------|
| | | | PP | I | -0.2 | -0.1 | -4.9 | -8.6 | 1.5 | -0.1 |
| | | | | CNT | -0.2 | -0.1 | 1.5 | -8.6 | 1.9 | -0.1 |
| | | | | J | -0.2 | -0.1 | 7.9 | -8.6 | 0.8 | -0.1 |
| | | | perm | I | -0.1 | 0.1 | 2.2 | -18.6 | 2.6 | -0.2 |
| | | | | CNT | -0.1 | 0.1 | 3.7 | -18.6 | 1.9 | -0.2 |
| | | | | J | -0.1 | 0.1 | 5.2 | -18.6 | 0.8 | -0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 140 | 2 | 4 c mobili | Max | I | 1.6 | 0.4 | 112.1 | 20.7 | 66.7 | 1.0 |
| | | | | CNT | 1.6 | 0.4 | 112.1 | 20.7 | 48.0 | 0.9 |
| | | | | J | 1.6 | 0.4 | 112.1 | 20.7 | 36.2 | 0.8 |
| | | | Min | I | -2.2 | -0.4 | -29.4 | -7.9 | -51.5 | -1.2 |
| | | | | CNT | -2.2 | -0.4 | -29.4 | -7.9 | -47.9 | -1.2 |
| | | | | J | -2.2 | -0.4 | -29.4 | -7.9 | -53.4 | -1.1 |
| | | | PP | I | 0.1 | -0.0 | -5.7 | -0.9 | 2.4 | 0.1 |
| | | | | CNT | 0.1 | -0.0 | -5.7 | -0.9 | 4.1 | 0.1 |
| | | | | J | 0.1 | -0.0 | -5.7 | -0.9 | 5.8 | 0.1 |
| | | | perm | I | 0.1 | -0.0 | -11.3 | -1.7 | 1.9 | 0.1 |
| | | | | CNT | 0.1 | -0.0 | -11.3 | -1.7 | 5.3 | 0.1 |
| | | | | J | 0.1 | -0.0 | -11.3 | -1.7 | 8.7 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 141 | 2 | 3 c mobili | Max | I | 0.4 | 0.2 | 8.8 | 1.2 | 2.3 | 0.4 |
| | | | | CNT | 0.4 | 0.2 | 8.8 | 1.2 | 0.3 | 0.3 |
| | | | | J | 0.4 | 0.2 | 8.8 | 1.2 | 0.6 | 0.3 |
| | | | Min | I | -0.9 | -0.1 | -1.5 | -0.5 | -0.3 | -0.4 |
| | | | | CNT | -0.9 | -0.1 | -1.5 | -0.5 | -0.4 | -0.4 |
| | | | | J | -0.9 | -0.1 | -1.5 | -0.5 | -3.0 | -0.4 |
| | | | PP | I | 0.1 | -0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.1 | -0.0 | 0.1 | -0.1 | -0.0 | 0.0 |
| | | | perm | I | 0.1 | -0.0 | -0.7 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | -0.7 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.1 | -0.0 | -0.7 | -0.1 | 0.2 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 142 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 5.3 | 1.2 | 1.5 | 0.4 |
| | | | | CNT | 0.4 | 0.4 | 5.3 | 1.2 | 0.8 | 0.3 |
| | | | | J | 0.4 | 0.4 | 5.3 | 1.2 | 0.9 | 0.2 |
| | | | Min | I | -0.9 | -0.1 | -0.8 | -0.5 | -0.3 | -0.4 |
| | | | | CNT | -0.9 | -0.1 | -0.8 | -0.5 | -0.8 | -0.4 |
| | | | | J | -0.9 | -0.1 | -0.8 | -0.5 | -2.3 | -0.4 |
| | | | PP | I | 0.1 | -0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | 0.1 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.1 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 |
| | | | perm | I | 0.1 | -0.0 | -0.3 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | -0.3 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.1 | -0.0 | -0.3 | -0.1 | 0.0 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 143 | 2 | 3 c mobili | Max | I | 0.5 | 0.5 | 3.5 | 1.3 | 1.8 | 0.4 |
| | | | | CNT | 0.5 | 0.5 | 3.5 | 1.3 | 1.4 | 0.3 |
| | | | | J | 0.5 | 0.5 | 3.5 | 1.3 | 1.4 | 0.2 |
| | | | Min | I | -0.9 | -0.1 | -0.6 | -0.4 | -1.1 | -0.4 |
| | | | | CNT | -0.9 | -0.1 | -0.6 | -0.4 | -1.3 | -0.4 |
| | | | | J | -0.9 | -0.1 | -0.6 | -0.4 | -1.8 | -0.4 |
| | | | PP | I | 0.0 | -0.0 | 0.1 | -0.1 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 |
| | | | perm | I | 0.1 | -0.0 | -0.1 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | -0.1 | -0.1 | -0.2 | 0.1 |
| | | | | J | 0.1 | -0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 144 | 2 | 3 c mobili | Max | I | 0.7 | 0.5 | 2.2 | 1.2 | 2.4 | 0.4 |
| | | | | CNT | 0.7 | 0.5 | 2.2 | 1.2 | 2.0 | 0.3 |

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|-----|---|------------|------------|------------------|------|------|------|------|------|-----|
| | | | J | 0.7 | 0.5 | 2.2 | 1.2 | 1.9 | 0.2 | |
| | | Min | I | -0.9 | -0.1 | -2.0 | -0.4 | -2.1 | -0.4 | |
| | | | CNT | -0.9 | -0.1 | -2.0 | -0.4 | -1.7 | -0.4 | |
| | | | J | -0.9 | -0.1 | -2.0 | -0.4 | -1.5 | -0.4 | |
| | | pp | I | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 | |
| | | perm | I | 0.0 | -0.0 | 0.0 | -0.1 | -0.2 | 0.0 | |
| | | | CNT | 0.0 | -0.0 | 0.0 | -0.1 | -0.2 | 0.1 | |
| | | | J | 0.0 | -0.0 | 0.0 | -0.1 | -0.2 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 145 | 2 | 3 c mobili | Max | I | 0.8 | 0.4 | 2.1 | 1.2 | 3.0 | 0.4 |
| | | | | CNT | 0.8 | 0.4 | 2.1 | 1.2 | 2.6 | 0.3 |
| | | | | J | 0.8 | 0.4 | 2.1 | 1.2 | 2.4 | 0.2 |
| | | Min | I | -0.8 | -0.1 | -3.4 | -0.4 | -2.9 | -0.4 | |
| | | | CNT | -0.8 | -0.1 | -3.4 | -0.4 | -2.1 | -0.4 | |
| | | | J | -0.8 | -0.1 | -3.4 | -0.4 | -1.5 | -0.4 | |
| | | pp | I | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | -0.0 | 0.1 | -0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | perm | I | 0.0 | -0.0 | 0.1 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | 0.0 | -0.0 | 0.1 | -0.1 | -0.3 | 0.0 | |
| | | | J | 0.0 | -0.0 | 0.1 | -0.1 | -0.3 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 146 | 2 | 3 c mobili | Max | I | 0.9 | 0.4 | 2.2 | 1.2 | 3.6 | 0.4 |
| | | | | CNT | 0.9 | 0.4 | 2.2 | 1.2 | 3.2 | 0.3 |
| | | | | J | 0.9 | 0.4 | 2.2 | 1.2 | 2.9 | 0.2 |
| | | Min | I | -0.8 | -0.1 | -4.5 | -0.4 | -3.6 | -0.4 | |
| | | | CNT | -0.8 | -0.1 | -4.5 | -0.4 | -2.4 | -0.4 | |
| | | | J | -0.8 | -0.1 | -4.5 | -0.4 | -1.6 | -0.4 | |
| | | pp | I | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | perm | I | 0.0 | -0.0 | 0.2 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | 0.0 | -0.0 | 0.2 | -0.1 | -0.4 | 0.0 | |
| | | | J | 0.0 | -0.0 | 0.2 | -0.1 | -0.4 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 147 | 2 | 3 c mobili | Max | I | 0.9 | 0.4 | 2.3 | 1.2 | 4.2 | 0.4 |
| | | | | CNT | 0.9 | 0.4 | 2.3 | 1.2 | 3.7 | 0.3 |
| | | | | J | 0.9 | 0.4 | 2.3 | 1.2 | 3.4 | 0.2 |
| | | Min | I | -0.8 | -0.1 | -5.4 | -0.4 | -4.1 | -0.4 | |
| | | | CNT | -0.8 | -0.1 | -5.4 | -0.4 | -2.7 | -0.4 | |
| | | | J | -0.8 | -0.1 | -5.4 | -0.4 | -1.7 | -0.4 | |
| | | pp | I | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | 0.3 | -0.1 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.3 | -0.1 | -0.4 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.3 | -0.1 | -0.5 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 148 | 2 | 3 c mobili | Max | I | 0.9 | 0.4 | 2.4 | 1.1 | 4.8 | 0.4 |
| | | | | CNT | 0.9 | 0.4 | 2.4 | 1.1 | 4.2 | 0.3 |
| | | | | J | 0.9 | 0.4 | 2.4 | 1.1 | 3.9 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -6.2 | -0.4 | -4.6 | -0.4 | |
| | | | CNT | -0.7 | -0.2 | -6.2 | -0.4 | -3.1 | -0.4 | |
| | | | J | -0.7 | -0.2 | -6.2 | -0.4 | -1.8 | -0.4 | |
| | | pp | I | -0.0 | -0.0 | 0.1 | -0.0 | -0.2 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.1 | -0.0 | -0.3 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | -0.0 | -0.3 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | 0.4 | -0.1 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.4 | -0.1 | -0.5 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.4 | -0.1 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|
| 149 | 2 | 3 c mobili | Max | I | 0.9 | 0.4 | 2.5 | 1.1 | 5.3 | 0.3 |
| | | | CNT | 0.9 | 0.4 | 2.5 | 1.1 | 4.7 | 0.2 | |
| | | | J | 0.9 | 0.4 | 2.5 | 1.1 | 4.4 | 0.2 | |
| | | | Min | I | -0.7 | -0.2 | -6.7 | -0.4 | -5.0 | -0.4 |
| | | | CNT | -0.7 | -0.2 | -6.7 | -0.4 | -3.3 | -0.4 | |
| | | | J | -0.7 | -0.2 | -6.7 | -0.4 | -2.0 | -0.3 | |
| | | | PP | I | -0.0 | -0.0 | 0.1 | -0.0 | -0.3 | 0.0 |
| | | | CNT | -0.0 | -0.0 | 0.1 | -0.0 | -0.3 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | -0.0 | -0.3 | 0.0 | |
| | | | perm | I | -0.0 | -0.0 | 0.4 | -0.1 | -0.4 | 0.0 |
| | | | CNT | -0.0 | -0.0 | 0.4 | -0.1 | -0.6 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.4 | -0.1 | -0.7 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|
| 150 | 2 | 3 c mobili | Max | I | 0.9 | 0.4 | 2.6 | 1.0 | 5.7 | 0.3 |
| | | | CNT | 0.9 | 0.4 | 2.6 | 1.0 | 5.1 | 0.2 | |
| | | | J | 0.9 | 0.4 | 2.6 | 1.0 | 4.8 | 0.2 | |
| | | | Min | I | -0.7 | -0.2 | -7.2 | -0.3 | -5.4 | -0.4 |
| | | | CNT | -0.7 | -0.2 | -7.2 | -0.3 | -3.6 | -0.4 | |
| | | | J | -0.7 | -0.2 | -7.2 | -0.3 | -2.1 | -0.3 | |
| | | | PP | I | -0.0 | 0.0 | 0.1 | -0.0 | -0.3 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.1 | -0.0 | -0.3 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.1 | -0.0 | -0.4 | 0.0 | |
| | | | perm | I | -0.0 | -0.0 | 0.5 | -0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | -0.0 | 0.5 | -0.1 | -0.6 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.5 | -0.1 | -0.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|
| 151 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 2.7 | 1.0 | 6.1 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 2.7 | 1.0 | 5.5 | 0.2 | |
| | | | J | 0.9 | 0.3 | 2.7 | 1.0 | 5.2 | 0.2 | |
| | | | Min | I | -0.7 | -0.2 | -7.7 | -0.3 | -5.7 | -0.4 |
| | | | CNT | -0.7 | -0.2 | -7.7 | -0.3 | -3.8 | -0.4 | |
| | | | J | -0.7 | -0.2 | -7.7 | -0.3 | -2.3 | -0.3 | |
| | | | PP | I | -0.0 | 0.0 | 0.1 | -0.0 | -0.3 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.1 | -0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.1 | -0.0 | -0.4 | 0.0 | |
| | | | perm | I | -0.0 | -0.0 | 0.5 | -0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | -0.0 | 0.5 | -0.1 | -0.7 | 0.0 | |
| | | | J | -0.0 | -0.0 | 0.5 | -0.1 | -0.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|
| 152 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 2.8 | 0.9 | 6.5 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 2.8 | 0.9 | 5.8 | 0.2 | |
| | | | J | 0.9 | 0.3 | 2.8 | 0.9 | 5.5 | 0.1 | |
| | | | Min | I | -0.7 | -0.2 | -8.0 | -0.3 | -5.9 | -0.4 |
| | | | CNT | -0.7 | -0.2 | -8.0 | -0.3 | -4.0 | -0.4 | |
| | | | J | -0.7 | -0.2 | -8.0 | -0.3 | -2.4 | -0.3 | |
| | | | PP | I | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | | perm | I | -0.0 | 0.0 | 0.6 | -0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.6 | -0.1 | -0.7 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.6 | -0.1 | -0.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|------|------|------|------|------|------|------|
| 153 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 2.9 | 0.9 | 6.8 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 2.9 | 0.9 | 6.1 | 0.2 | |
| | | | J | 0.9 | 0.3 | 2.9 | 0.9 | 5.8 | 0.1 | |
| | | | Min | I | -0.7 | -0.2 | -8.3 | -0.3 | -6.1 | -0.4 |
| | | | CNT | -0.7 | -0.2 | -8.3 | -0.3 | -4.2 | -0.3 | |
| | | | J | -0.7 | -0.2 | -8.3 | -0.3 | -2.6 | -0.3 | |
| | | | PP | I | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | | perm | I | -0.0 | 0.0 | 0.6 | -0.1 | -0.6 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.6 | -0.1 | -0.8 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|-----|
| | | | J | -0.0 | 0.0 | 0.6 | -0.1 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 154 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 3.0 | 0.8 | 7.1 | 0.3 |
| | | | | CNT | 0.9 | 0.3 | 3.0 | 0.8 | 6.4 | 0.2 |
| | | | | J | 0.9 | 0.3 | 3.0 | 0.8 | 6.1 | 0.1 |
| | | Min | I | -0.7 | -0.2 | -8.6 | -0.3 | -6.3 | -0.4 | |
| | | | CNT | -0.7 | -0.2 | -8.6 | -0.3 | -4.4 | -0.3 | |
| | | | J | -0.7 | -0.2 | -8.6 | -0.3 | -2.7 | -0.3 | |
| | | pp | I | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.6 | -0.1 | -0.6 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.6 | -0.1 | -0.8 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.6 | -0.1 | -1.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 155 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 3.0 | 0.8 | 7.4 | 0.3 |
| | | | | CNT | 0.9 | 0.3 | 3.0 | 0.8 | 6.6 | 0.2 |
| | | | | J | 0.9 | 0.3 | 3.0 | 0.8 | 6.3 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -8.8 | -0.2 | -6.5 | -0.4 | |
| | | | CNT | -0.7 | -0.2 | -8.8 | -0.2 | -4.6 | -0.3 | |
| | | | J | -0.7 | -0.2 | -8.8 | -0.2 | -2.8 | -0.3 | |
| | | pp | I | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.7 | -0.1 | -0.6 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.7 | -0.1 | -0.8 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.7 | -0.1 | -1.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 156 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 3.1 | 0.7 | 7.6 | 0.3 |
| | | | | CNT | 0.9 | 0.3 | 3.1 | 0.7 | 6.8 | 0.2 |
| | | | | J | 0.9 | 0.3 | 3.1 | 0.7 | 6.5 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.0 | -0.2 | -6.7 | -0.4 | |
| | | | CNT | -0.7 | -0.2 | -9.0 | -0.2 | -4.7 | -0.3 | |
| | | | J | -0.7 | -0.2 | -9.0 | -0.2 | -2.9 | -0.3 | |
| | | pp | I | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.7 | -0.0 | -0.7 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.7 | -0.0 | -0.9 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.7 | -0.0 | -1.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 157 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 3.1 | 0.6 | 7.8 | 0.3 |
| | | | | CNT | 0.9 | 0.3 | 3.1 | 0.6 | 7.0 | 0.2 |
| | | | | J | 0.9 | 0.3 | 3.1 | 0.6 | 6.7 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.2 | -0.2 | -6.9 | -0.4 | |
| | | | CNT | -0.7 | -0.2 | -9.2 | -0.2 | -4.8 | -0.3 | |
| | | | J | -0.7 | -0.2 | -9.2 | -0.2 | -3.0 | -0.3 | |
| | | pp | I | -0.0 | 0.0 | 0.2 | -0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.7 | -0.0 | -0.7 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.7 | -0.0 | -0.9 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.7 | -0.0 | -1.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 158 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 3.2 | 0.6 | 7.9 | 0.3 |
| | | | | CNT | 0.9 | 0.3 | 3.2 | 0.6 | 7.2 | 0.2 |
| | | | | J | 0.9 | 0.3 | 3.2 | 0.6 | 6.9 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.3 | -0.2 | -7.0 | -0.4 | |
| | | | CNT | -0.7 | -0.2 | -9.3 | -0.2 | -4.9 | -0.3 | |
| | | | J | -0.7 | -0.2 | -9.3 | -0.2 | -3.0 | -0.3 | |
| | | pp | I | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 | |

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| | | | | | | | | | |
|-----|------------|----------------|------------------|------|------|------|------|------|------|
| | | | CNT | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.7 | -0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.7 | -0.0 | -0.9 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.7 | -0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 159 | 2 | 3 c mobili Max | I | 0.9 | 0.3 | 3.2 | 0.5 | 8.1 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 3.2 | 0.5 | 7.3 | 0.2 |
| | | | J | 0.9 | 0.3 | 3.2 | 0.5 | 7.0 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.4 | -0.2 | -7.1 | -0.3 |
| | | | CNT | -0.7 | -0.2 | -9.4 | -0.2 | -5.0 | -0.3 |
| | | | J | -0.7 | -0.2 | -9.4 | -0.2 | -3.1 | -0.3 |
| | | pp | I | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.7 | -0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.7 | -0.0 | -0.9 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.7 | -0.0 | -1.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 160 | 2 | 3 c mobili Max | I | 0.9 | 0.3 | 3.2 | 0.5 | 8.1 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 3.2 | 0.5 | 7.4 | 0.2 |
| | | | J | 0.9 | 0.3 | 3.2 | 0.5 | 7.1 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.5 | -0.2 | -7.2 | -0.3 |
| | | | CNT | -0.7 | -0.2 | -9.5 | -0.2 | -5.0 | -0.3 |
| | | | J | -0.7 | -0.2 | -9.5 | -0.2 | -3.1 | -0.3 |
| | | pp | I | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.8 | -0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.8 | -0.0 | -0.9 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.8 | -0.0 | -1.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 161 | 2 | 3 c mobili Max | I | 0.9 | 0.3 | 3.3 | 0.4 | 8.2 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 3.3 | 0.4 | 7.4 | 0.2 |
| | | | J | 0.9 | 0.3 | 3.3 | 0.4 | 7.1 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.5 | -0.3 | -7.2 | -0.3 |
| | | | CNT | -0.7 | -0.2 | -9.5 | -0.3 | -5.0 | -0.3 |
| | | | J | -0.7 | -0.2 | -9.5 | -0.3 | -3.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.8 | -0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.8 | -0.0 | -1.0 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.8 | -0.0 | -1.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 162 | 2 | 3 c mobili Max | I | 0.9 | 0.3 | 3.3 | 0.4 | 8.2 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 3.3 | 0.4 | 7.5 | 0.3 |
| | | | J | 0.9 | 0.3 | 3.3 | 0.4 | 7.2 | 0.2 |
| | | Min | I | -0.7 | -0.2 | -9.6 | -0.3 | -7.3 | -0.3 |
| | | | CNT | -0.7 | -0.2 | -9.6 | -0.3 | -5.1 | -0.3 |
| | | | J | -0.7 | -0.2 | -9.6 | -0.3 | -3.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.3 | -0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | -0.0 | -0.6 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.8 | -0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.8 | -0.0 | -1.0 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.8 | -0.0 | -1.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 163 | 2 | 3 c mobili Max | I | 0.9 | 0.3 | 3.3 | 0.3 | 8.2 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 3.3 | 0.3 | 7.5 | 0.3 |
| | | | J | 0.9 | 0.3 | 3.3 | 0.3 | 7.2 | 0.2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|------|------|------|------|------|------|
| | | | Min | I | -0.7 | -0.3 | -9.6 | -0.3 | -7.3 | -0.3 |
| | | | | CNT | -0.7 | -0.3 | -9.6 | -0.3 | -5.1 | -0.3 |
| | | | | J | -0.7 | -0.3 | -9.6 | -0.3 | -3.2 | -0.2 |
| | | pp | | I | -0.0 | 0.0 | 0.3 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.3 | 0.0 | -0.6 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.3 | 0.0 | -0.6 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | 0.8 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.8 | 0.0 | -1.0 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.8 | 0.0 | -1.2 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 164 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.3 | 0.3 | 8.2 | 0.3 |
| | | | | CNT | 0.9 | 0.2 | 3.3 | 0.3 | 7.5 | 0.3 |
| | | | | J | 0.9 | 0.2 | 3.3 | 0.3 | 7.2 | 0.2 |
| | | | Min | I | -0.7 | -0.3 | -9.6 | -0.4 | -7.3 | -0.3 |
| | | | | CNT | -0.7 | -0.3 | -9.6 | -0.4 | -5.1 | -0.3 |
| | | | | J | -0.7 | -0.3 | -9.6 | -0.4 | -3.2 | -0.2 |
| | | pp | | I | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | 0.8 | 0.0 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.8 | 0.0 | -1.0 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.8 | 0.0 | -1.2 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 165 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.3 | 0.3 | 8.2 | 0.3 |
| | | | | CNT | 0.9 | 0.2 | 3.3 | 0.3 | 7.4 | 0.3 |
| | | | | J | 0.9 | 0.2 | 3.3 | 0.3 | 7.1 | 0.2 |
| | | | Min | I | -0.7 | -0.3 | -9.5 | -0.4 | -7.2 | -0.3 |
| | | | | CNT | -0.7 | -0.3 | -9.5 | -0.4 | -5.0 | -0.2 |
| | | | | J | -0.7 | -0.3 | -9.5 | -0.4 | -3.2 | -0.2 |
| | | pp | | I | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | 0.8 | 0.0 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.8 | 0.0 | -1.0 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.8 | 0.0 | -1.2 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 166 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.2 | 0.2 | 8.1 | 0.3 |
| | | | | CNT | 0.9 | 0.2 | 3.2 | 0.2 | 7.4 | 0.3 |
| | | | | J | 0.9 | 0.2 | 3.2 | 0.2 | 7.1 | 0.3 |
| | | | Min | I | -0.7 | -0.3 | -9.5 | -0.5 | -7.2 | -0.3 |
| | | | | CNT | -0.7 | -0.3 | -9.5 | -0.5 | -5.0 | -0.2 |
| | | | | J | -0.7 | -0.3 | -9.5 | -0.5 | -3.1 | -0.2 |
| | | pp | | I | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | 0.8 | 0.0 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.8 | 0.0 | -0.9 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.8 | 0.0 | -1.2 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 167 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.2 | 0.2 | 8.1 | 0.3 |
| | | | | CNT | 0.9 | 0.2 | 3.2 | 0.2 | 7.3 | 0.3 |
| | | | | J | 0.9 | 0.2 | 3.2 | 0.2 | 7.0 | 0.3 |
| | | | Min | I | -0.7 | -0.3 | -9.4 | -0.5 | -7.1 | -0.3 |
| | | | | CNT | -0.7 | -0.3 | -9.4 | -0.5 | -5.0 | -0.2 |
| | | | | J | -0.7 | -0.3 | -9.4 | -0.5 | -3.1 | -0.2 |
| | | pp | | I | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | 0.7 | 0.0 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 0.7 | 0.0 | -0.9 | -0.0 |
| | | | | J | -0.0 | -0.0 | 0.7 | 0.0 | -1.2 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|------------|------|------------|------------------|------|------------|------------------|------|------|------|------|------|-----|-----|
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | | | |
| 168 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.2 | 0.2 | 7.9 | 0.4 | | | |
| | | | | CNT | 0.9 | 0.2 | 3.2 | 0.2 | 7.2 | 0.3 | | | |
| | | | | J | 0.9 | 0.2 | 3.2 | 0.2 | 6.9 | 0.3 | | | |
| | | | Min | I | -0.7 | -0.3 | -9.3 | -0.6 | -7.0 | -0.3 | | | |
| | | | | CNT | -0.7 | -0.3 | -9.3 | -0.6 | -4.9 | -0.2 | | | |
| | | | | J | -0.7 | -0.3 | -9.3 | -0.6 | -3.0 | -0.2 | | | |
| | | | | PP | I | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 | | |
| | | | | | CNT | -0.0 | -0.0 | 0.3 | 0.0 | -0.5 | -0.0 | | |
| | | | | | J | -0.0 | -0.0 | 0.3 | 0.0 | -0.6 | -0.0 | | |
| | | | | perm | I | -0.0 | -0.0 | 0.7 | 0.0 | -0.7 | -0.0 | | |
| | | | | | CNT | -0.0 | -0.0 | 0.7 | 0.0 | -0.9 | -0.0 | | |
| | | | | | J | -0.0 | -0.0 | 0.7 | 0.0 | -1.1 | -0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 169 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.1 | 0.2 | 7.8 | 0.4 |
| | | | | | | | CNT | 0.9 | 0.2 | 3.1 | 0.2 | 7.0 | 0.3 |
| | J | 0.9 | | | | 0.2 | 3.1 | 0.2 | 6.7 | 0.3 | | | |
| Min | I | -0.7 | | | | -0.3 | -9.2 | -0.6 | -6.9 | -0.3 | | | |
| | CNT | -0.7 | | | | -0.3 | -9.2 | -0.6 | -4.8 | -0.2 | | | |
| | J | -0.7 | | | | -0.3 | -9.2 | -0.6 | -3.0 | -0.2 | | | |
| | PP | I | | | | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | | |
| | | CNT | | | | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | | |
| | | J | | | | -0.0 | -0.0 | 0.2 | 0.0 | -0.6 | -0.0 | | |
| | perm | I | | | | -0.0 | -0.0 | 0.7 | 0.0 | -0.7 | -0.0 | | |
| | | CNT | | | | -0.0 | -0.0 | 0.7 | 0.0 | -0.9 | -0.0 | | |
| | | J | | | | -0.0 | -0.0 | 0.7 | 0.0 | -1.1 | -0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 2 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 170 | 2 | 3 c mobili | | | | Max | I | 0.9 | 0.2 | 3.1 | 0.2 | 7.6 | 0.4 |
| | | | | | | | CNT | 0.9 | 0.2 | 3.1 | 0.2 | 6.8 | 0.3 |
| | | | | J | 0.9 | 0.2 | 3.1 | 0.2 | 6.5 | 0.3 | | | |
| | | | Min | I | -0.7 | -0.3 | -9.0 | -0.7 | -6.7 | -0.3 | | | |
| | | | | CNT | -0.7 | -0.3 | -9.0 | -0.7 | -4.7 | -0.2 | | | |
| | | | | J | -0.7 | -0.3 | -9.0 | -0.7 | -2.9 | -0.2 | | | |
| | | | | PP | I | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | | |
| | | | | | CNT | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | | |
| | | | | | J | -0.0 | -0.0 | 0.2 | 0.0 | -0.6 | -0.0 | | |
| | | | | perm | I | -0.0 | -0.0 | 0.7 | 0.0 | -0.7 | -0.0 | | |
| | | | | | CNT | -0.0 | -0.0 | 0.7 | 0.0 | -0.9 | -0.0 | | |
| | | | | | J | -0.0 | -0.0 | 0.7 | 0.0 | -1.1 | -0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 171 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 3.0 | 0.2 | 7.4 | 0.4 |
| | | | | | | | CNT | 0.9 | 0.2 | 3.0 | 0.2 | 6.6 | 0.3 |
| | J | 0.9 | | | | 0.2 | 3.0 | 0.2 | 6.3 | 0.3 | | | |
| Min | I | -0.7 | | | | -0.3 | -8.8 | -0.8 | -6.5 | -0.3 | | | |
| | CNT | -0.7 | | | | -0.3 | -8.8 | -0.8 | -4.6 | -0.2 | | | |
| | J | -0.7 | | | | -0.3 | -8.8 | -0.8 | -2.8 | -0.2 | | | |
| | PP | I | | | | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | | |
| | | CNT | | | | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | | |
| | | J | | | | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | | |
| | perm | I | | | | -0.0 | -0.0 | 0.7 | 0.1 | -0.6 | -0.0 | | |
| | | CNT | | | | -0.0 | -0.0 | 0.7 | 0.1 | -0.8 | -0.0 | | |
| | | J | | | | -0.0 | -0.0 | 0.7 | 0.1 | -1.0 | -0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 2 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 172 | 2 | 3 c mobili | | | | Max | I | 0.9 | 0.2 | 3.0 | 0.3 | 7.1 | 0.4 |
| | | | | | | | CNT | 0.9 | 0.2 | 3.0 | 0.3 | 6.4 | 0.3 |
| | | | | J | 0.9 | 0.2 | 3.0 | 0.3 | 6.1 | 0.3 | | | |
| | | | Min | I | -0.7 | -0.3 | -8.6 | -0.8 | -6.3 | -0.3 | | | |
| | | | | CNT | -0.7 | -0.3 | -8.6 | -0.8 | -4.4 | -0.2 | | | |
| | | | | J | -0.7 | -0.3 | -8.6 | -0.8 | -2.7 | -0.1 | | | |
| | | | | PP | I | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | | |
| | | | | | CNT | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | | |
| | | | | | J | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | | |
| | | | | perm | I | -0.0 | -0.0 | 0.6 | 0.1 | -0.6 | -0.0 | | |
| | | | | | CNT | -0.0 | -0.0 | 0.6 | 0.1 | -0.8 | -0.0 | | |
| | | | | | J | -0.0 | -0.0 | 0.6 | 0.1 | -1.0 | -0.0 | | |

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| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|-----|
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 173 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 2.9 | 0.3 | 6.8 | 0.4 |
| | | | | CNT | 0.9 | 0.2 | 2.9 | 0.3 | 6.1 | 0.3 |
| | | | | J | 0.9 | 0.2 | 2.9 | 0.3 | 5.8 | 0.3 |
| | | Min | I | -0.7 | -0.3 | -8.3 | -0.9 | -6.1 | -0.3 | |
| | | | CNT | -0.7 | -0.3 | -8.3 | -0.9 | -4.2 | -0.2 | |
| | | | J | -0.7 | -0.3 | -8.3 | -0.9 | -2.6 | -0.1 | |
| | | pp | I | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 0.6 | 0.1 | -0.6 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.6 | 0.1 | -0.8 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.6 | 0.1 | -0.9 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 174 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 2.8 | 0.3 | 6.5 | 0.4 |
| | | | CNT | 0.9 | 0.2 | 2.8 | 0.3 | 5.8 | 0.4 | |
| | | | J | 0.9 | 0.2 | 2.8 | 0.3 | 5.5 | 0.3 | |
| | | Min | I | -0.7 | -0.3 | -8.0 | -0.9 | -5.9 | -0.3 | |
| | | | CNT | -0.7 | -0.3 | -8.0 | -0.9 | -4.0 | -0.2 | |
| | | | J | -0.7 | -0.3 | -8.0 | -0.9 | -2.4 | -0.1 | |
| | | pp | I | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.2 | 0.0 | -0.4 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.2 | 0.0 | -0.5 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | 0.6 | 0.1 | -0.5 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.6 | 0.1 | -0.7 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.6 | 0.1 | -0.9 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 175 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 2.7 | 0.3 | 6.1 | 0.4 |
| | | | CNT | 0.9 | 0.2 | 2.7 | 0.3 | 5.5 | 0.4 | |
| | | | J | 0.9 | 0.2 | 2.7 | 0.3 | 5.2 | 0.3 | |
| | | Min | I | -0.7 | -0.3 | -7.7 | -1.0 | -5.7 | -0.3 | |
| | | | CNT | -0.7 | -0.3 | -7.7 | -1.0 | -3.8 | -0.2 | |
| | | | J | -0.7 | -0.3 | -7.7 | -1.0 | -2.3 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.1 | 0.0 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.1 | 0.0 | -0.4 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | 0.0 | -0.4 | -0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.5 | 0.1 | -0.5 | -0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.5 | 0.1 | -0.7 | -0.0 | |
| | | | J | -0.0 | 0.0 | 0.5 | 0.1 | -0.8 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 176 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 2.6 | 0.3 | 5.7 | 0.4 |
| | | | CNT | 0.9 | 0.2 | 2.6 | 0.3 | 5.1 | 0.4 | |
| | | | J | 0.9 | 0.2 | 2.6 | 0.3 | 4.8 | 0.3 | |
| | | Min | I | -0.7 | -0.4 | -7.2 | -1.0 | -5.4 | -0.3 | |
| | | | CNT | -0.7 | -0.4 | -7.2 | -1.0 | -3.6 | -0.2 | |
| | | | J | -0.7 | -0.4 | -7.2 | -1.0 | -2.1 | -0.2 | |
| | | pp | I | -0.0 | -0.0 | 0.1 | 0.0 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.1 | 0.0 | -0.3 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | 0.0 | -0.4 | -0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.5 | 0.1 | -0.5 | -0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.5 | 0.1 | -0.6 | -0.0 | |
| | | | J | -0.0 | 0.0 | 0.5 | 0.1 | -0.8 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 177 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 2.5 | 0.4 | 5.3 | 0.4 |
| | | | CNT | 0.9 | 0.2 | 2.5 | 0.4 | 4.7 | 0.4 | |
| | | | J | 0.9 | 0.2 | 2.5 | 0.4 | 4.4 | 0.3 | |
| | | Min | I | -0.7 | -0.4 | -6.7 | -1.1 | -5.0 | -0.3 | |
| | | | CNT | -0.7 | -0.4 | -6.7 | -1.1 | -3.3 | -0.2 | |
| | | | J | -0.7 | -0.4 | -6.7 | -1.1 | -2.0 | -0.2 | |
| | | pp | I | -0.0 | 0.0 | 0.1 | 0.0 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.1 | 0.0 | -0.3 | -0.0 | |

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| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|------|
| | | | J | -0.0 | 0.0 | 0.1 | 0.0 | -0.3 | -0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.4 | 0.1 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.4 | 0.1 | -0.6 | -0.0 | |
| | | | J | -0.0 | 0.0 | 0.4 | 0.1 | -0.7 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 178 | 2 | 3 c mobili | Max | I | 0.9 | 0.2 | 2.4 | 0.4 | 4.8 | 0.4 |
| | | | | CNT | 0.9 | 0.2 | 2.4 | 0.4 | 4.2 | 0.4 |
| | | | | J | 0.9 | 0.2 | 2.4 | 0.4 | 3.9 | 0.4 |
| | | Min | I | -0.7 | -0.4 | -6.2 | -1.1 | -4.6 | -0.4 | -0.4 |
| | | | CNT | -0.7 | -0.4 | -6.2 | -1.1 | -3.1 | -0.3 | -0.3 |
| | | | J | -0.7 | -0.4 | -6.2 | -1.1 | -1.8 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.1 | 0.0 | -0.2 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.1 | 0.0 | -0.3 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.1 | 0.0 | -0.3 | -0.0 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.4 | 0.1 | -0.4 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.4 | 0.1 | -0.5 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.4 | 0.1 | -0.6 | -0.0 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 179 | 2 | 3 c mobili | Max | I | 0.9 | 0.1 | 2.3 | 0.4 | 4.2 | 0.4 |
| | | | | CNT | 0.9 | 0.1 | 2.3 | 0.4 | 3.7 | 0.4 |
| | | | | J | 0.9 | 0.1 | 2.3 | 0.4 | 3.4 | 0.4 |
| | | Min | I | -0.8 | -0.4 | -5.4 | -1.2 | -4.1 | -0.4 | -0.4 |
| | | | CNT | -0.8 | -0.4 | -5.4 | -1.2 | -2.7 | -0.3 | -0.3 |
| | | | J | -0.8 | -0.4 | -5.4 | -1.2 | -1.7 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.3 | 0.1 | -0.3 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.3 | 0.1 | -0.4 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.3 | 0.1 | -0.5 | -0.1 | -0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 180 | 2 | 3 c mobili | Max | I | 0.9 | 0.1 | 2.2 | 0.4 | 3.6 | 0.4 |
| | | | | CNT | 0.9 | 0.1 | 2.2 | 0.4 | 3.2 | 0.4 |
| | | | | J | 0.9 | 0.1 | 2.2 | 0.4 | 2.9 | 0.4 |
| | | Min | I | -0.8 | -0.4 | -4.5 | -1.2 | -3.6 | -0.4 | -0.4 |
| | | | CNT | -0.8 | -0.4 | -4.5 | -1.2 | -2.4 | -0.3 | -0.3 |
| | | | J | -0.8 | -0.4 | -4.5 | -1.2 | -1.6 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | perm | I | 0.0 | 0.0 | 0.2 | 0.1 | -0.3 | -0.0 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | -0.4 | -0.0 | -0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.1 | -0.4 | -0.1 | -0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 181 | 2 | 3 c mobili | Max | I | 0.8 | 0.1 | 2.1 | 0.4 | 3.0 | 0.4 |
| | | | | CNT | 0.8 | 0.1 | 2.1 | 0.4 | 2.6 | 0.4 |
| | | | | J | 0.8 | 0.1 | 2.1 | 0.4 | 2.4 | 0.4 |
| | | Min | I | -0.8 | -0.4 | -3.4 | -1.2 | -2.9 | -0.4 | -0.4 |
| | | | CNT | -0.8 | -0.4 | -3.4 | -1.2 | -2.1 | -0.3 | -0.3 |
| | | | J | -0.8 | -0.4 | -3.4 | -1.2 | -1.5 | -0.2 | -0.2 |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 | -0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.0 | -0.0 |
| | | perm | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | -0.0 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | -0.0 | -0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | -0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 182 | 2 | 3 c mobili | Max | I | 0.7 | 0.1 | 2.2 | 0.4 | 2.4 | 0.4 |
| | | | | CNT | 0.7 | 0.1 | 2.2 | 0.4 | 2.0 | 0.4 |
| | | | | J | 0.7 | 0.1 | 2.2 | 0.4 | 1.9 | 0.4 |
| | | Min | I | -0.9 | -0.5 | -2.0 | -1.2 | -2.1 | -0.4 | -0.4 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------|-----------------------|------|-------|-------|-------|------|
| | | | | CNT | -0.9 | -0.5 | -2.0 | -1.2 | -1.7 | -0.3 |
| | | | | J | -0.9 | -0.5 | -2.0 | -1.2 | -1.5 | -0.2 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | -0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 | Type: Beam | Section: soletta | | | | | |
| 183 | 2 | 3 c mobili | Max | I | 0.5 | 0.1 | 3.5 | 0.4 | 1.8 | 0.4 |
| | | | | CNT | 0.5 | 0.1 | 3.5 | 0.4 | 1.4 | 0.4 |
| | | | | J | 0.5 | 0.1 | 3.5 | 0.4 | 1.4 | 0.4 |
| | | | Min | I | -0.9 | -0.5 | -0.6 | -1.3 | -1.1 | -0.4 |
| | | | | CNT | -0.9 | -0.5 | -0.6 | -1.3 | -1.3 | -0.3 |
| | | | | J | -0.9 | -0.5 | -0.6 | -1.3 | -1.8 | -0.2 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.0 | -0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 |
| | | | perm | I | 0.1 | 0.0 | -0.1 | 0.1 | -0.2 | -0.0 |
| | | | | CNT | 0.1 | 0.0 | -0.1 | 0.1 | -0.2 | -0.1 |
| | | | | J | 0.1 | 0.0 | -0.1 | 0.1 | -0.1 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 | Type: Beam | Section: soletta | | | | | |
| 184 | 2 | 3 c mobili | Max | I | 0.4 | 0.1 | 5.3 | 0.5 | 1.5 | 0.4 |
| | | | | CNT | 0.4 | 0.1 | 5.3 | 0.5 | 0.8 | 0.4 |
| | | | | J | 0.4 | 0.1 | 5.3 | 0.5 | 0.9 | 0.4 |
| | | | Min | I | -0.9 | -0.4 | -0.8 | -1.2 | -0.3 | -0.4 |
| | | | | CNT | -0.9 | -0.4 | -0.8 | -1.2 | -0.8 | -0.3 |
| | | | | J | -0.9 | -0.4 | -0.8 | -1.2 | -2.3 | -0.2 |
| | | | PP | I | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.0 |
| | | | | CNT | 0.1 | 0.0 | 0.1 | 0.1 | -0.0 | -0.0 |
| | | | | J | 0.1 | 0.0 | 0.1 | 0.1 | -0.1 | -0.0 |
| | | | perm | I | 0.1 | 0.0 | -0.3 | 0.1 | -0.2 | -0.0 |
| | | | | CNT | 0.1 | 0.0 | -0.3 | 0.1 | -0.1 | -0.0 |
| | | | | J | 0.1 | 0.0 | -0.3 | 0.1 | 0.0 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 | Type: Beam | Section: soletta | | | | | |
| 185 | 2 | 3 c mobili | Max | I | 0.4 | 0.1 | 8.8 | 0.5 | 2.3 | 0.4 |
| | | | | CNT | 0.4 | 0.1 | 8.8 | 0.5 | 0.3 | 0.4 |
| | | | | J | 0.4 | 0.1 | 8.8 | 0.5 | 0.6 | 0.4 |
| | | | Min | I | -0.9 | -0.2 | -1.5 | -1.2 | -0.3 | -0.4 |
| | | | | CNT | -0.9 | -0.2 | -1.5 | -1.2 | -0.4 | -0.3 |
| | | | | J | -0.9 | -0.2 | -1.5 | -1.2 | -3.0 | -0.3 |
| | | | PP | I | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.0 |
| | | | | CNT | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.0 |
| | | | | J | 0.1 | 0.0 | 0.1 | 0.1 | -0.0 | -0.0 |
| | | | perm | I | 0.1 | 0.0 | -0.7 | 0.1 | -0.2 | -0.0 |
| | | | | CNT | 0.1 | 0.0 | -0.7 | 0.1 | -0.0 | -0.0 |
| | | | | J | 0.1 | 0.0 | -0.7 | 0.1 | 0.2 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 | Type: Beam | Section: soletta | | | | | |
| 186 | 2 | 4 c mobili | Max | I | 1.6 | 0.4 | 112.1 | 7.9 | 66.7 | 1.2 |
| | | | | CNT | 1.6 | 0.4 | 112.1 | 7.9 | 48.0 | 1.2 |
| | | | | J | 1.6 | 0.4 | 112.1 | 7.9 | 36.2 | 1.1 |
| | | | Min | I | -2.2 | -0.4 | -29.4 | -20.7 | -51.5 | -1.0 |
| | | | | CNT | -2.2 | -0.4 | -29.4 | -20.7 | -47.9 | -0.9 |
| | | | | J | -2.2 | -0.4 | -29.4 | -20.7 | -53.4 | -0.8 |
| | | | PP | I | 0.1 | 0.0 | -5.7 | 0.9 | 2.4 | -0.1 |
| | | | | CNT | 0.1 | 0.0 | -5.7 | 0.9 | 4.1 | -0.1 |
| | | | | J | 0.1 | 0.0 | -5.7 | 0.9 | 5.8 | -0.1 |
| | | | perm | I | 0.1 | 0.0 | -11.3 | 1.7 | 1.9 | -0.1 |
| | | | | CNT | 0.1 | 0.0 | -11.3 | 1.7 | 5.3 | -0.1 |
| | | | | J | 0.1 | 0.0 | -11.3 | 1.7 | 8.7 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 | Type: Beam | Section: traverso cap | | | | | |

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|-----|---|------------|------|-----|------|------|-------|--------|-------|------|
| 187 | 1 | 1 c mobili | Max | I | 0.5 | 3.7 | 155.6 | 108.2 | 7.8 | 1.8 |
| | | | | CNT | 0.5 | 3.7 | 155.6 | 108.2 | 18.1 | 1.6 |
| | | | | J | 0.5 | 3.7 | 155.6 | 108.2 | 29.3 | 1.6 |
| | | | Min | I | -0.5 | -1.5 | -44.9 | -198.2 | -11.5 | -1.4 |
| | | | | CNT | -0.5 | -1.5 | -44.9 | -198.2 | -41.4 | -1.3 |
| | | | | J | -0.5 | -1.5 | -44.9 | -198.2 | -80.3 | -1.7 |
| | | | PP | I | 0.0 | -0.0 | -5.7 | 4.0 | 0.9 | 0.0 |
| | | | | CNT | 0.0 | -0.0 | 0.7 | 4.0 | 1.5 | 0.0 |
| | | | | J | 0.0 | -0.0 | 7.0 | 4.0 | 0.6 | 0.0 |
| | | | perm | I | 0.0 | -0.0 | -11.3 | 7.2 | 1.7 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | -9.8 | 7.2 | 4.4 | -0.0 |
| | | | | J | 0.0 | -0.0 | -8.3 | 7.2 | 6.7 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|-------|------|
| 188 | 1 | 1 c mobili | Max | I | 0.6 | 4.1 | 4.3 | 113.3 | 29.7 | 2.1 |
| | | | | CNT | 0.6 | 4.1 | 4.3 | 113.3 | 64.2 | 2.1 |
| | | | | J | 0.6 | 4.1 | 4.3 | 113.3 | 125.2 | 2.1 |
| | | | Min | I | -0.8 | -1.9 | -291.4 | -211.3 | -80.5 | -2.0 |
| | | | | CNT | -0.8 | -1.9 | -291.4 | -211.3 | -62.3 | -2.7 |
| | | | | J | -0.8 | -1.9 | -291.4 | -211.3 | -57.4 | -3.6 |
| | | | PP | I | 0.0 | -0.0 | -284.0 | 4.0 | 0.6 | 0.1 |
| | | | | CNT | 0.0 | -0.0 | -277.6 | 4.0 | 70.8 | 0.1 |
| | | | | J | 0.0 | -0.0 | -271.3 | 4.0 | 139.5 | 0.1 |
| | | | perm | I | 0.0 | -0.0 | -76.0 | 7.8 | 6.8 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | -74.5 | 7.8 | 25.6 | -0.0 |
| | | | | J | 0.0 | -0.0 | -73.0 | 7.8 | 44.0 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|-------|------|
| 189 | 1 | 1 c mobili | Max | I | 0.7 | 4.2 | 12.9 | 115.3 | 124.9 | 2.5 |
| | | | | CNT | 0.7 | 4.2 | 12.9 | 115.3 | 177.0 | 2.7 |
| | | | | J | 0.7 | 4.2 | 12.9 | 115.3 | 244.5 | 2.9 |
| | | | Min | I | -1.2 | -2.1 | -270.3 | -216.6 | -57.3 | -4.1 |
| | | | | CNT | -1.2 | -2.1 | -270.3 | -216.6 | -55.3 | -4.7 |
| | | | | J | -1.2 | -2.1 | -270.3 | -216.6 | -53.3 | -5.6 |
| | | | PP | I | 0.1 | 0.0 | -271.2 | 3.9 | 139.5 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | -264.8 | 3.9 | 206.5 | 0.1 |
| | | | | J | 0.1 | 0.0 | -258.4 | 3.9 | 271.9 | 0.1 |
| | | | perm | I | 0.0 | -0.0 | -73.3 | 8.2 | 44.1 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | -71.8 | 8.2 | 62.3 | 0.0 |
| | | | | J | 0.0 | -0.0 | -70.3 | 8.2 | 80.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|-------|------|
| 190 | 1 | 1 c mobili | Max | I | 0.8 | 4.2 | 20.4 | 115.2 | 244.2 | 3.3 |
| | | | | CNT | 0.8 | 4.2 | 20.4 | 115.2 | 286.5 | 3.5 |
| | | | | J | 0.8 | 4.2 | 20.4 | 115.2 | 349.9 | 3.8 |
| | | | Min | I | -1.6 | -2.2 | -254.1 | -218.7 | -53.3 | -6.2 |
| | | | | CNT | -1.6 | -2.2 | -254.1 | -218.7 | -51.5 | -6.7 |
| | | | | J | -1.6 | -2.2 | -254.1 | -218.7 | -49.8 | -7.3 |
| | | | PP | I | 0.1 | 0.0 | -258.3 | 3.8 | 272.0 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | -252.0 | 3.8 | 335.7 | 0.1 |
| | | | | J | 0.1 | 0.0 | -245.6 | 3.8 | 397.9 | 0.1 |
| | | | perm | I | 0.1 | -0.0 | -70.5 | 8.3 | 80.1 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | -69.0 | 8.3 | 97.6 | 0.0 |
| | | | | J | 0.1 | -0.0 | -67.5 | 8.3 | 114.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|-------|------|
| 191 | 1 | 1 c mobili | Max | I | 0.9 | 4.1 | 30.8 | 113.7 | 349.5 | 4.1 |
| | | | | CNT | 0.9 | 4.1 | 30.8 | 113.7 | 384.0 | 4.3 |
| | | | | J | 0.9 | 4.1 | 30.8 | 113.7 | 444.0 | 4.6 |
| | | | Min | I | -1.9 | -2.3 | -241.0 | -217.4 | -49.7 | -7.9 |
| | | | | CNT | -1.9 | -2.3 | -241.0 | -217.4 | -48.2 | -8.4 |
| | | | | J | -1.9 | -2.3 | -241.0 | -217.4 | -46.6 | -8.8 |
| | | | PP | I | 0.1 | 0.0 | -245.5 | 3.8 | 398.0 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | -239.2 | 3.8 | 458.6 | 0.1 |
| | | | | J | 0.1 | 0.0 | -232.8 | 3.8 | 517.6 | 0.1 |
| | | | perm | I | 0.1 | -0.0 | -67.5 | 8.3 | 114.7 | 0.0 |
| | | | | CNT | 0.1 | -0.0 | -66.0 | 8.3 | 131.4 | 0.1 |
| | | | | J | 0.1 | -0.0 | -64.5 | 8.3 | 147.7 | 0.1 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|------------|--------------|------|------|--------|--------|--------|-------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 192 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 42.7 | 111.5 | 443.6 | 4.7 | |
| | | | | CNT | 1.0 | 4.0 | 42.7 | 111.5 | 472.7 | 5.0 | |
| | | | | J | 1.0 | 4.0 | 42.7 | 111.5 | 528.7 | 5.2 | |
| | | | Min | I | -2.1 | -2.5 | -230.1 | -213.6 | -46.6 | -9.3 | |
| | | | | CNT | -2.1 | -2.5 | -230.1 | -213.6 | -45.2 | -9.7 | |
| | | | | J | -2.1 | -2.5 | -230.1 | -213.6 | -43.8 | -10.1 | |
| | | | pp | I | 0.1 | 0.0 | -232.7 | 3.7 | 517.6 | 0.1 | |
| | | | | CNT | 0.1 | 0.0 | -226.4 | 3.7 | 575.0 | 0.1 | |
| | | | | J | 0.1 | 0.0 | -220.0 | 3.7 | 630.8 | 0.1 | |
| | | | perm | I | 0.1 | -0.1 | -64.3 | 8.2 | 147.8 | 0.1 | |
| | | | | CNT | 0.1 | -0.1 | -62.8 | 8.2 | 163.7 | 0.1 | |
| | | | | J | 0.1 | -0.1 | -61.3 | 8.2 | 179.2 | 0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 193 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 52.4 | 108.6 | 528.3 | 5.3 | |
| | | | | CNT | 1.0 | 4.0 | 52.4 | 108.6 | 553.8 | 5.5 | |
| | | | | J | 1.0 | 4.0 | 52.4 | 108.6 | 605.3 | 5.7 | |
| | | | Min | I | -2.2 | -2.6 | -220.8 | -208.2 | -43.8 | -10.5 | |
| | | | | CNT | -2.2 | -2.6 | -220.8 | -208.2 | -42.5 | -10.8 | |
| | | | | J | -2.2 | -2.6 | -220.8 | -208.2 | -41.3 | -11.2 | |
| | | | pp | I | 0.1 | -0.0 | -219.9 | 3.6 | 630.9 | 0.1 | |
| | | | | CNT | 0.1 | -0.0 | -213.6 | 3.6 | 685.0 | 0.1 | |
| | | | | J | 0.1 | -0.0 | -207.2 | 3.6 | 737.6 | 0.1 | |
| | | | perm | I | 0.1 | -0.1 | -61.1 | 8.0 | 179.3 | 0.1 | |
| | | | | CNT | 0.1 | -0.1 | -59.6 | 8.0 | 194.4 | 0.1 | |
| | | | | J | 0.1 | -0.1 | -58.1 | 8.0 | 209.1 | 0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 194 | 1 | 1 c mobili | Max | I | 1.1 | 4.0 | 60.6 | 105.1 | 605.0 | 5.7 | |
| | | | | CNT | 1.1 | 4.0 | 60.6 | 105.1 | 627.3 | 5.9 | |
| | | | | J | 1.1 | 4.0 | 60.6 | 105.1 | 675.0 | 6.1 | |
| | | | Min | I | -2.2 | -2.8 | -212.6 | -201.6 | -41.3 | -11.5 | |
| | | | | CNT | -2.2 | -2.8 | -212.6 | -201.6 | -40.2 | -11.6 | |
| | | | | J | -2.2 | -2.8 | -212.6 | -201.6 | -39.1 | -12.0 | |
| | | | pp | I | 0.1 | -0.0 | -207.1 | 3.6 | 737.7 | 0.1 | |
| | | | | CNT | 0.1 | -0.0 | -200.7 | 3.6 | 788.7 | 0.1 | |
| | | | | J | 0.1 | -0.0 | -194.4 | 3.6 | 838.1 | 0.1 | |
| | | | perm | I | 0.1 | -0.1 | -57.8 | 7.8 | 209.2 | 0.1 | |
| | | | | CNT | 0.1 | -0.1 | -56.3 | 7.8 | 223.5 | 0.2 | |
| | | | | J | 0.1 | -0.1 | -54.8 | 7.8 | 237.4 | 0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 195 | 1 | 1 c mobili | Max | I | 1.1 | 4.1 | 67.5 | 101.4 | 674.6 | 6.1 | |
| | | | | CNT | 1.1 | 4.1 | 67.5 | 101.4 | 694.1 | 6.2 | |
| | | | | J | 1.1 | 4.1 | 67.5 | 101.4 | 738.3 | 6.3 | |
| | | | Min | I | -2.2 | -3.0 | -205.3 | -194.3 | -39.0 | -12.2 | |
| | | | | CNT | -2.2 | -3.0 | -205.3 | -194.3 | -38.0 | -12.3 | |
| | | | | J | -2.2 | -3.0 | -205.3 | -194.3 | -37.0 | -12.6 | |
| | | | pp | I | 0.1 | -0.0 | -194.3 | 3.5 | 838.1 | 0.1 | |
| | | | | CNT | 0.1 | -0.0 | -187.9 | 3.5 | 885.9 | 0.1 | |
| | | | | J | 0.1 | -0.0 | -181.5 | 3.5 | 932.1 | 0.1 | |
| | | | perm | I | 0.1 | -0.1 | -54.5 | 7.5 | 237.5 | 0.2 | |
| | | | | CNT | 0.1 | -0.1 | -53.0 | 7.5 | 250.9 | 0.2 | |
| | | | | J | 0.1 | -0.1 | -51.5 | 7.5 | 264.0 | 0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 196 | 1 | 1 c mobili | Max | I | 1.1 | 4.1 | 73.7 | 97.4 | 738.0 | 6.4 | |
| | | | | CNT | 1.1 | 4.1 | 73.7 | 97.4 | 755.2 | 6.4 | |
| | | | | J | 1.1 | 4.1 | 73.7 | 97.4 | 796.0 | 6.5 | |
| | | | Min | I | -2.2 | -3.2 | -198.7 | -186.4 | -37.0 | -12.8 | |
| | | | | CNT | -2.2 | -3.2 | -198.7 | -186.4 | -36.1 | -12.8 | |
| | | | | J | -2.2 | -3.2 | -198.7 | -186.4 | -35.2 | -13.0 | |
| | | | pp | I | 0.1 | -0.0 | -181.4 | 3.3 | 932.1 | 0.1 | |
| | | | | CNT | 0.1 | -0.0 | -175.1 | 3.3 | 976.7 | 0.1 | |
| | | | | J | 0.1 | -0.0 | -168.7 | 3.3 | 1019.6 | 0.1 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|--------------|------|------|--------|--------|--------|-------|
| | | | perm | I | 0.1 | -0.1 | -51.1 | 7.1 | 264.1 | 0.2 |
| | | | | CNT | 0.1 | -0.1 | -49.6 | 7.1 | 276.7 | 0.2 |
| | | | | J | 0.1 | -0.1 | -48.1 | 7.1 | 288.9 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 197 | 1 | 1 c mobili | Max | I | 1.1 | 4.1 | 79.2 | 94.8 | 795.7 | 6.6 |
| | | | | CNT | 1.1 | 4.1 | 79.2 | 94.8 | 811.1 | 6.6 |
| | | | | J | 1.1 | 4.1 | 79.2 | 94.8 | 848.3 | 6.7 |
| | | | Min | I | -2.2 | -3.3 | -192.5 | -178.3 | -35.2 | -13.2 |
| | | | | CNT | -2.2 | -3.3 | -192.5 | -178.3 | -34.3 | -13.2 |
| | | | | J | -2.2 | -3.3 | -192.5 | -178.3 | -33.5 | -13.4 |
| | | | pp | I | 0.1 | -0.0 | -168.6 | 3.2 | 1019.7 | 0.1 |
| | | | | CNT | 0.1 | -0.0 | -162.2 | 3.2 | 1061.0 | 0.1 |
| | | | | J | 0.1 | -0.0 | -155.8 | 3.2 | 1100.8 | 0.1 |
| | | | perm | I | 0.1 | -0.1 | -47.6 | 6.7 | 289.0 | 0.2 |
| | | | | CNT | 0.1 | -0.1 | -46.1 | 6.7 | 300.7 | 0.2 |
| | | | | J | 0.1 | -0.1 | -44.6 | 6.7 | 312.0 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 198 | 1 | 1 c mobili | Max | I | 1.1 | 4.0 | 84.1 | 92.6 | 848.1 | 6.8 |
| | | | | CNT | 1.1 | 4.0 | 84.1 | 92.6 | 861.9 | 6.8 |
| | | | | J | 1.1 | 4.0 | 84.1 | 92.6 | 895.7 | 6.9 |
| | | | Min | I | -2.2 | -3.4 | -186.7 | -170.0 | -33.5 | -13.6 |
| | | | | CNT | -2.2 | -3.4 | -186.7 | -170.0 | -32.7 | -13.5 |
| | | | | J | -2.2 | -3.4 | -186.7 | -170.0 | -31.9 | -13.6 |
| | | | pp | I | 0.1 | -0.0 | -155.7 | 3.0 | 1100.8 | 0.1 |
| | | | | CNT | 0.1 | -0.0 | -149.3 | 3.0 | 1138.9 | 0.1 |
| | | | | J | 0.1 | -0.0 | -142.9 | 3.0 | 1175.5 | 0.1 |
| | | | perm | I | 0.1 | -0.1 | -44.1 | 6.3 | 312.1 | 0.3 |
| | | | | CNT | 0.1 | -0.1 | -42.6 | 6.3 | 322.9 | 0.3 |
| | | | | J | 0.1 | -0.1 | -41.1 | 6.3 | 333.4 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 199 | 1 | 1 c mobili | Max | I | 1.1 | 4.0 | 88.7 | 90.5 | 895.5 | 7.0 |
| | | | | CNT | 1.1 | 4.0 | 88.7 | 90.5 | 907.7 | 6.9 |
| | | | | J | 1.1 | 4.0 | 88.7 | 90.5 | 938.4 | 7.0 |
| | | | Min | I | -2.1 | -3.5 | -181.2 | -161.6 | -31.9 | -13.8 |
| | | | | CNT | -2.1 | -3.5 | -181.2 | -161.6 | -31.2 | -13.8 |
| | | | | J | -2.1 | -3.5 | -181.2 | -161.6 | -30.4 | -13.9 |
| | | | pp | I | 0.1 | -0.0 | -142.8 | 2.8 | 1175.5 | 0.1 |
| | | | | CNT | 0.1 | -0.0 | -136.4 | 2.8 | 1210.4 | 0.1 |
| | | | | J | 0.1 | -0.0 | -130.0 | 2.8 | 1243.7 | 0.1 |
| | | | perm | I | 0.1 | -0.1 | -40.5 | 5.8 | 333.4 | 0.3 |
| | | | | CNT | 0.1 | -0.1 | -39.0 | 5.8 | 343.4 | 0.3 |
| | | | | J | 0.1 | -0.1 | -37.5 | 5.8 | 352.9 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 200 | 1 | 1 c mobili | Max | I | 1.1 | 4.0 | 93.0 | 88.4 | 938.1 | 7.1 |
| | | | | CNT | 1.1 | 4.0 | 93.0 | 88.4 | 948.9 | 7.0 |
| | | | | J | 1.1 | 4.0 | 93.0 | 88.4 | 976.5 | 7.1 |
| | | | Min | I | -2.1 | -3.6 | -175.9 | -153.4 | -30.4 | -14.0 |
| | | | | CNT | -2.1 | -3.6 | -175.9 | -153.4 | -29.8 | -13.9 |
| | | | | J | -2.1 | -3.6 | -175.9 | -153.4 | -29.1 | -14.0 |
| | | | pp | I | 0.1 | -0.0 | -129.8 | 2.6 | 1243.7 | 0.1 |
| | | | | CNT | 0.1 | -0.0 | -123.4 | 2.6 | 1275.4 | 0.1 |
| | | | | J | 0.1 | -0.0 | -117.1 | 2.6 | 1305.5 | 0.1 |
| | | | perm | I | 0.1 | -0.1 | -36.9 | 5.3 | 353.0 | 0.3 |
| | | | | CNT | 0.1 | -0.1 | -35.4 | 5.3 | 362.0 | 0.3 |
| | | | | J | 0.1 | -0.1 | -33.9 | 5.3 | 370.7 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 201 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 97.1 | 86.2 | 976.3 | 7.2 |
| | | | | CNT | 1.0 | 4.0 | 97.1 | 86.2 | 985.5 | 7.1 |
| | | | | J | 1.0 | 4.0 | 97.1 | 86.2 | 1010.2 | 7.2 |
| | | | Min | I | -2.0 | -3.6 | -170.8 | -145.3 | -29.1 | -14.2 |
| | | | | CNT | -2.0 | -3.6 | -170.8 | -145.3 | -28.4 | -14.1 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|--------|--------|--------|--------|-------|
| | | | J | -2.0 | -3.6 | -170.8 | -145.3 | -27.8 | -14.2 | |
| | | PP | I | 0.1 | -0.0 | -116.9 | 2.4 | 1305.5 | 0.1 | |
| | | | CNT | 0.1 | -0.0 | -110.5 | 2.4 | 1333.9 | 0.2 | |
| | | | J | 0.1 | -0.0 | -104.1 | 2.4 | 1360.7 | 0.2 | |
| | | perm | I | 0.1 | -0.0 | -33.2 | 4.8 | 370.7 | 0.3 | |
| | | | CNT | 0.1 | -0.0 | -31.7 | 4.8 | 378.9 | 0.3 | |
| | | | J | 0.1 | -0.0 | -30.2 | 4.8 | 386.6 | 0.3 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 202 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 101.0 | 84.0 | 1010.0 | 7.2 |
| | | | | CNT | 1.0 | 4.0 | 101.0 | 84.0 | 1017.8 | 7.2 |
| | | | | J | 1.0 | 4.0 | 101.0 | 84.0 | 1039.5 | 7.2 |
| | | | Min | I | -2.0 | -3.7 | -165.8 | -137.3 | -27.8 | -14.3 |
| | | | | CNT | -2.0 | -3.7 | -165.8 | -137.3 | -27.2 | -14.2 |
| | | | | J | -2.0 | -3.7 | -165.8 | -137.3 | -26.6 | -14.3 |
| | | PP | I | 0.1 | -0.0 | -103.9 | 2.1 | 1360.8 | 0.2 | |
| | | | CNT | 0.1 | -0.0 | -97.5 | 2.1 | 1386.0 | 0.2 | |
| | | | J | 0.1 | -0.0 | -91.2 | 2.1 | 1409.5 | 0.2 | |
| | | perm | I | 0.1 | -0.0 | -29.6 | 4.3 | 386.7 | 0.3 | |
| | | | CNT | 0.1 | -0.0 | -28.1 | 4.3 | 393.9 | 0.3 | |
| | | | J | 0.1 | -0.0 | -26.6 | 4.3 | 400.7 | 0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 203 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 104.9 | 81.8 | 1039.4 | 7.3 |
| | | | | CNT | 1.0 | 4.0 | 104.9 | 81.8 | 1045.8 | 7.2 |
| | | | | J | 1.0 | 4.0 | 104.9 | 81.8 | 1064.7 | 7.3 |
| | | | Min | I | -2.0 | -3.7 | -161.0 | -129.3 | -26.6 | -14.4 |
| | | | | CNT | -2.0 | -3.7 | -161.0 | -129.3 | -26.0 | -14.3 |
| | | | | J | -2.0 | -3.7 | -161.0 | -129.3 | -25.4 | -14.4 |
| | | PP | I | 0.0 | -0.0 | -90.9 | 1.9 | 1409.6 | 0.2 | |
| | | | CNT | 0.0 | -0.0 | -84.6 | 1.9 | 1431.5 | 0.2 | |
| | | | J | 0.0 | -0.0 | -78.2 | 1.9 | 1451.8 | 0.2 | |
| | | perm | I | 0.1 | -0.0 | -25.9 | 3.7 | 400.7 | 0.3 | |
| | | | CNT | 0.1 | -0.0 | -24.4 | 3.7 | 407.0 | 0.4 | |
| | | | J | 0.1 | -0.0 | -22.9 | 3.7 | 412.9 | 0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 204 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 108.9 | 79.5 | 1064.5 | 7.3 |
| | | | | CNT | 1.0 | 3.9 | 108.9 | 79.5 | 1069.5 | 7.3 |
| | | | | J | 1.0 | 3.9 | 108.9 | 79.5 | 1085.6 | 7.3 |
| | | | Min | I | -1.9 | -3.8 | -156.3 | -121.5 | -25.5 | -14.5 |
| | | | | CNT | -1.9 | -3.8 | -156.3 | -121.5 | -24.9 | -14.4 |
| | | | | J | -1.9 | -3.8 | -156.3 | -121.5 | -24.3 | -14.4 |
| | | PP | I | 0.0 | -0.0 | -77.9 | 1.6 | 1451.9 | 0.2 | |
| | | | CNT | 0.0 | -0.0 | -71.6 | 1.6 | 1470.6 | 0.2 | |
| | | | J | 0.0 | -0.0 | -65.2 | 1.6 | 1487.7 | 0.2 | |
| | | perm | I | 0.1 | -0.0 | -22.1 | 3.2 | 413.0 | 0.4 | |
| | | | CNT | 0.1 | -0.0 | -20.6 | 3.2 | 418.3 | 0.4 | |
| | | | J | 0.1 | -0.0 | -19.1 | 3.2 | 423.3 | 0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 205 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 113.0 | 77.2 | 1085.4 | 7.4 |
| | | | | CNT | 1.0 | 3.9 | 113.0 | 77.2 | 1089.0 | 7.3 |
| | | | | J | 1.0 | 3.9 | 113.0 | 77.2 | 1102.3 | 7.3 |
| | | | Min | I | -1.9 | -3.8 | -151.7 | -113.7 | -24.4 | -14.6 |
| | | | | CNT | -1.9 | -3.8 | -151.7 | -113.7 | -23.8 | -14.4 |
| | | | | J | -1.9 | -3.8 | -151.7 | -113.7 | -23.3 | -14.5 |
| | | PP | I | 0.0 | -0.0 | -64.9 | 1.3 | 1487.7 | 0.2 | |
| | | | CNT | 0.0 | -0.0 | -58.6 | 1.3 | 1503.1 | 0.2 | |
| | | | J | 0.0 | -0.0 | -52.2 | 1.3 | 1517.0 | 0.2 | |
| | | perm | I | 0.1 | -0.0 | -18.4 | 2.6 | 423.3 | 0.4 | |
| | | | CNT | 0.1 | -0.0 | -16.9 | 2.6 | 427.7 | 0.4 | |
| | | | J | 0.1 | -0.0 | -15.4 | 2.6 | 431.8 | 0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | | | |
|--------------|------|------------|--------------|--------------|------|------------|--------------|--------|--------|--------|-------|--------|--------|-------|-------|
| 206 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 117.1 | 75.5 | 1102.2 | 7.4 | | | | | |
| | | | | CNT | 1.0 | 3.9 | 117.1 | 75.5 | 1104.4 | 7.3 | | | | | |
| | | | | J | 1.0 | 3.9 | 117.1 | 75.5 | 1114.9 | 7.4 | | | | | |
| | | | | Min | I | -1.9 | -3.8 | -147.1 | -106.2 | -23.3 | -14.6 | | | | |
| | | | | | CNT | -1.9 | -3.8 | -147.1 | -106.2 | -22.8 | -14.5 | | | | |
| | | | | | J | -1.9 | -3.8 | -147.1 | -106.2 | -22.3 | -14.6 | | | | |
| | | | | pp | I | 0.0 | -0.0 | -51.9 | 1.0 | 1517.0 | 0.2 | | | | |
| | | | | | CNT | 0.0 | -0.0 | -45.6 | 1.0 | 1529.2 | 0.2 | | | | |
| | | | | | J | 0.0 | -0.0 | -39.2 | 1.0 | 1539.7 | 0.2 | | | | |
| | | | | perm | I | 0.1 | -0.0 | -14.7 | 2.0 | 431.8 | 0.4 | | | | |
| | | | | | CNT | 0.1 | -0.0 | -13.2 | 2.0 | 435.3 | 0.4 | | | | |
| | | | | | J | 0.1 | -0.0 | -11.7 | 2.0 | 438.4 | 0.4 | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| | | | | 207 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 121.3 | 77.0 | 1114.8 | 7.4 | |
| | | | | | | | | CNT | 1.0 | 3.9 | 121.3 | 77.0 | 1115.7 | 7.3 | |
| | | | | | | | | J | 1.0 | 3.9 | 121.3 | 77.0 | 1123.5 | 7.4 | |
| | | | | | | | | Min | I | -1.9 | -3.8 | -142.7 | -99.0 | -22.3 | -14.6 |
| | | | | | | | | | CNT | -1.9 | -3.8 | -142.7 | -99.0 | -21.8 | -14.5 |
| J | -1.9 | -3.8 | -142.7 | | | | | | -99.0 | -21.3 | -14.6 | | | | |
| pp | I | 0.0 | -0.0 | | | | | -38.9 | 0.7 | 1539.8 | 0.2 | | | | |
| | CNT | 0.0 | -0.0 | | | | | -32.5 | 0.7 | 1548.7 | 0.2 | | | | |
| | J | 0.0 | -0.0 | | | | | -26.2 | 0.7 | 1556.0 | 0.2 | | | | |
| perm | I | 0.1 | -0.0 | | | | | -10.9 | 1.5 | 438.4 | 0.4 | | | | |
| | CNT | 0.1 | -0.0 | | | | | -9.4 | 1.5 | 440.9 | 0.4 | | | | |
| | J | 0.1 | -0.0 | | | | | -7.9 | 1.5 | 443.1 | 0.4 | | | | |
| acc | I | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | CNT | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | J | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | | | | | |
| 208 | 1 | 1 c mobili | Max | | | | | I | 1.0 | 3.9 | 125.5 | 80.0 | 1123.4 | 7.4 | |
| | | | | | | | | CNT | 1.0 | 3.9 | 125.5 | 80.0 | 1122.9 | 7.3 | |
| | | | | | | | | J | 1.0 | 3.9 | 125.5 | 80.0 | 1127.9 | 7.4 | |
| | | | | | | | | Min | I | -1.9 | -3.9 | -138.3 | -92.0 | -21.3 | -14.6 |
| | | | | | | | | | CNT | -1.9 | -3.9 | -138.3 | -92.0 | -20.8 | -14.5 |
| | | | | J | -1.9 | -3.9 | -138.3 | | -92.0 | -20.3 | -14.6 | | | | |
| | | | | pp | I | 0.0 | -0.0 | -25.9 | 0.4 | 1556.0 | 0.2 | | | | |
| | | | | | CNT | 0.0 | -0.0 | -19.5 | 0.4 | 1561.7 | 0.2 | | | | |
| | | | | | J | 0.0 | -0.0 | -13.2 | 0.4 | 1565.8 | 0.2 | | | | |
| | | | | perm | I | 0.1 | -0.0 | -7.1 | 0.9 | 443.1 | 0.4 | | | | |
| | | | | | CNT | 0.1 | -0.0 | -5.6 | 0.9 | 444.7 | 0.4 | | | | |
| | | | | | J | 0.1 | -0.0 | -4.1 | 0.9 | 445.9 | 0.4 | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| | | | | 209 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 129.7 | 83.3 | 1127.8 | 7.4 | |
| | | | | | | | | CNT | 1.0 | 3.9 | 129.7 | 83.3 | 1126.0 | 7.3 | |
| | | | | | | | | J | 1.0 | 3.9 | 129.7 | 83.3 | 1128.7 | 7.4 | |
| | | | | | | | | Min | I | -1.8 | -3.9 | -134.0 | -87.0 | -20.3 | -14.6 |
| | | | | | | | | | CNT | -1.8 | -3.9 | -134.0 | -87.0 | -19.8 | -14.5 |
| J | -1.8 | -3.9 | -134.0 | | | | | | -87.0 | -19.4 | -14.6 | | | | |
| pp | I | 0.0 | -0.0 | | | | | -12.9 | 0.1 | 1565.8 | 0.2 | | | | |
| | CNT | 0.0 | -0.0 | | | | | -6.5 | 0.1 | 1568.2 | 0.2 | | | | |
| | J | 0.0 | -0.0 | | | | | -0.1 | 0.1 | 1569.1 | 0.2 | | | | |
| perm | I | 0.1 | -0.0 | | | | | -3.4 | 0.3 | 446.0 | 0.4 | | | | |
| | CNT | 0.1 | -0.0 | | | | | -1.9 | 0.3 | 446.6 | 0.4 | | | | |
| | J | 0.1 | -0.0 | | | | | -0.4 | 0.3 | 446.9 | 0.4 | | | | |
| acc | I | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | CNT | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | J | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | | | | | |
| 210 | 1 | 1 c mobili | Max | | | | | I | 1.0 | 3.9 | 134.0 | 87.0 | 1128.7 | 7.4 | |
| | | | | | | | | CNT | 1.0 | 3.9 | 134.0 | 87.0 | 1126.0 | 7.3 | |
| | | | | | | | | J | 1.0 | 3.9 | 134.0 | 87.0 | 1127.8 | 7.4 | |
| | | | | | | | | Min | I | -1.8 | -3.9 | -129.7 | -83.3 | -19.4 | -14.6 |
| | | | | | | | | | CNT | -1.8 | -3.9 | -129.7 | -83.3 | -19.8 | -14.5 |
| | | | | J | -1.8 | -3.9 | -129.7 | | -83.3 | -20.3 | -14.6 | | | | |
| | | | | pp | I | 0.0 | 0.0 | 0.1 | -0.1 | 1569.1 | 0.2 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 6.5 | -0.1 | 1568.2 | 0.2 | | | | |
| | | | | | J | 0.0 | 0.0 | 12.9 | -0.1 | 1565.8 | 0.2 | | | | |
| | | | | perm | I | 0.1 | 0.0 | 0.4 | -0.3 | 446.9 | 0.4 | | | | |
| | | | | | CNT | 0.1 | 0.0 | 1.9 | -0.3 | 446.6 | 0.4 | | | | |
| | | | | | J | 0.1 | 0.0 | 3.4 | -0.3 | 446.0 | 0.4 | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|--------------|-----|------|------|--------|-------|--------|--------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 211 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 138.3 | 92.0 | 1127.9 | 7.4 | |
| | | | | CNT | 1.0 | 3.9 | 138.3 | 92.0 | 1122.9 | 7.3 | |
| | | | | J | 1.0 | 3.9 | 138.3 | 92.0 | 1123.4 | 7.4 | |
| | | | Min | I | -1.9 | -3.9 | -125.5 | -80.0 | -20.3 | -14.6 | |
| | | | | CNT | -1.9 | -3.9 | -125.5 | -80.0 | -20.8 | -14.5 | |
| | | | | J | -1.9 | -3.9 | -125.5 | -80.0 | -21.3 | -14.6 | |
| | | | | PP | I | 0.0 | 0.0 | 13.2 | -0.4 | 1565.8 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 19.5 | -0.4 | 1561.7 | 0.2 | |
| | | | | J | 0.0 | 0.0 | 25.9 | -0.4 | 1556.0 | 0.2 | |
| | | | perm | I | 0.1 | 0.0 | 4.1 | -0.9 | 445.9 | 0.4 | |
| | | | | CNT | 0.1 | 0.0 | 5.6 | -0.9 | 444.7 | 0.4 | |
| | | | | J | 0.1 | 0.0 | 7.1 | -0.9 | 443.1 | 0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 212 | 1 | 1 c mobili | Max | I | 1.0 | 3.8 | 142.7 | 99.0 | 1123.5 | 7.4 | |
| | | | | CNT | 1.0 | 3.8 | 142.7 | 99.0 | 1115.7 | 7.3 | |
| | | | | J | 1.0 | 3.8 | 142.7 | 99.0 | 1114.8 | 7.4 | |
| | | | Min | I | -1.9 | -3.9 | -121.3 | -77.0 | -21.3 | -14.6 | |
| | | | | CNT | -1.9 | -3.9 | -121.3 | -77.0 | -21.8 | -14.5 | |
| | | | | J | -1.9 | -3.9 | -121.3 | -77.0 | -22.3 | -14.6 | |
| | | | | PP | I | 0.0 | 0.0 | 26.2 | -0.7 | 1556.0 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 32.5 | -0.7 | 1548.7 | 0.2 | |
| | | | | J | 0.0 | 0.0 | 38.9 | -0.7 | 1539.8 | 0.2 | |
| | | | perm | I | 0.1 | 0.0 | 7.9 | -1.5 | 443.1 | 0.4 | |
| | | | | CNT | 0.1 | 0.0 | 9.4 | -1.5 | 440.9 | 0.4 | |
| | | | | J | 0.1 | 0.0 | 10.9 | -1.5 | 438.4 | 0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 213 | 1 | 1 c mobili | Max | I | 1.0 | 3.8 | 147.1 | 106.2 | 1114.9 | 7.4 | |
| | | | | CNT | 1.0 | 3.8 | 147.1 | 106.2 | 1104.4 | 7.3 | |
| | | | | J | 1.0 | 3.8 | 147.1 | 106.2 | 1102.2 | 7.4 | |
| | | | Min | I | -1.9 | -3.9 | -117.1 | -75.5 | -22.3 | -14.6 | |
| | | | | CNT | -1.9 | -3.9 | -117.1 | -75.5 | -22.8 | -14.5 | |
| | | | | J | -1.9 | -3.9 | -117.1 | -75.5 | -23.3 | -14.6 | |
| | | | | PP | I | 0.0 | 0.0 | 39.2 | -1.0 | 1539.7 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 45.6 | -1.0 | 1529.2 | 0.2 | |
| | | | | J | 0.0 | 0.0 | 51.9 | -1.0 | 1517.0 | 0.2 | |
| | | | perm | I | 0.1 | 0.0 | 11.7 | -2.0 | 438.4 | 0.4 | |
| | | | | CNT | 0.1 | 0.0 | 13.2 | -2.0 | 435.3 | 0.4 | |
| | | | | J | 0.1 | 0.0 | 14.7 | -2.0 | 431.8 | 0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 214 | 1 | 1 c mobili | Max | I | 1.0 | 3.8 | 151.7 | 113.7 | 1102.3 | 7.3 | |
| | | | | CNT | 1.0 | 3.8 | 151.7 | 113.7 | 1089.0 | 7.3 | |
| | | | | J | 1.0 | 3.8 | 151.7 | 113.7 | 1085.4 | 7.4 | |
| | | | Min | I | -1.9 | -3.9 | -113.0 | -77.2 | -23.3 | -14.5 | |
| | | | | CNT | -1.9 | -3.9 | -113.0 | -77.2 | -23.8 | -14.4 | |
| | | | | J | -1.9 | -3.9 | -113.0 | -77.2 | -24.4 | -14.6 | |
| | | | | PP | I | 0.0 | 0.0 | 52.2 | -1.3 | 1517.0 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 58.6 | -1.3 | 1503.1 | 0.2 | |
| | | | | J | 0.0 | 0.0 | 64.9 | -1.3 | 1487.7 | 0.2 | |
| | | | perm | I | 0.1 | 0.0 | 15.4 | -2.6 | 431.8 | 0.4 | |
| | | | | CNT | 0.1 | 0.0 | 16.9 | -2.6 | 427.7 | 0.4 | |
| | | | | J | 0.1 | 0.0 | 18.4 | -2.6 | 423.3 | 0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 215 | 1 | 1 c mobili | Max | I | 1.0 | 3.8 | 156.3 | 121.5 | 1085.6 | 7.3 | |
| | | | | CNT | 1.0 | 3.8 | 156.3 | 121.5 | 1069.5 | 7.3 | |
| | | | | J | 1.0 | 3.8 | 156.3 | 121.5 | 1064.5 | 7.3 | |
| | | | Min | I | -1.9 | -3.9 | -108.9 | -79.5 | -24.3 | -14.4 | |
| | | | | CNT | -1.9 | -3.9 | -108.9 | -79.5 | -24.9 | -14.4 | |
| | | | | J | -1.9 | -3.9 | -108.9 | -79.5 | -25.5 | -14.5 | |
| | | | | PP | I | 0.0 | 0.0 | 65.2 | -1.6 | 1487.7 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 71.6 | -1.6 | 1470.6 | 0.2 | |
| | | | | J | 0.0 | 0.0 | 77.9 | -1.6 | 1451.9 | 0.2 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|--------------|------|------|--------|-------|--------|-------|
| | | | perm | I | 0.1 | 0.0 | 19.1 | -3.2 | 423.3 | 0.4 |
| | | | | CNT | 0.1 | 0.0 | 20.6 | -3.2 | 418.3 | 0.4 |
| | | | | J | 0.1 | 0.0 | 22.1 | -3.2 | 413.0 | 0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 216 | 1 | 1 c mobili | Max | I | 1.0 | 3.7 | 161.0 | 129.3 | 1064.7 | 7.3 |
| | | | | CNT | 1.0 | 3.7 | 161.0 | 129.3 | 1045.8 | 7.2 |
| | | | | J | 1.0 | 3.7 | 161.0 | 129.3 | 1039.4 | 7.3 |
| | | | Min | I | -2.0 | -4.0 | -104.9 | -81.8 | -25.4 | -14.4 |
| | | | | CNT | -2.0 | -4.0 | -104.9 | -81.8 | -26.0 | -14.3 |
| | | | | J | -2.0 | -4.0 | -104.9 | -81.8 | -26.6 | -14.4 |
| | | | pp | I | 0.0 | 0.0 | 78.2 | -1.9 | 1451.8 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 84.6 | -1.9 | 1431.5 | 0.2 |
| | | | | J | 0.0 | 0.0 | 90.9 | -1.9 | 1409.6 | 0.2 |
| | | | perm | I | 0.1 | 0.0 | 22.9 | -3.7 | 412.9 | 0.4 |
| | | | | CNT | 0.1 | 0.0 | 24.4 | -3.7 | 407.0 | 0.4 |
| | | | | J | 0.1 | 0.0 | 25.9 | -3.7 | 400.7 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 217 | 1 | 1 c mobili | Max | I | 1.0 | 3.7 | 165.8 | 137.3 | 1039.5 | 7.2 |
| | | | | CNT | 1.0 | 3.7 | 165.8 | 137.3 | 1017.8 | 7.2 |
| | | | | J | 1.0 | 3.7 | 165.8 | 137.3 | 1010.0 | 7.2 |
| | | | Min | I | -2.0 | -4.0 | -101.0 | -84.0 | -26.6 | -14.3 |
| | | | | CNT | -2.0 | -4.0 | -101.0 | -84.0 | -27.2 | -14.2 |
| | | | | J | -2.0 | -4.0 | -101.0 | -84.0 | -27.8 | -14.3 |
| | | | pp | I | 0.1 | 0.0 | 91.2 | -2.1 | 1409.5 | 0.2 |
| | | | | CNT | 0.1 | 0.0 | 97.5 | -2.1 | 1386.0 | 0.2 |
| | | | | J | 0.1 | 0.0 | 103.9 | -2.1 | 1360.8 | 0.2 |
| | | | perm | I | 0.1 | 0.0 | 26.6 | -4.3 | 400.7 | 0.4 |
| | | | | CNT | 0.1 | 0.0 | 28.1 | -4.3 | 393.9 | 0.3 |
| | | | | J | 0.1 | 0.0 | 29.6 | -4.3 | 386.7 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 218 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 170.8 | 145.3 | 1010.2 | 7.2 |
| | | | | CNT | 1.0 | 3.6 | 170.8 | 145.3 | 985.5 | 7.1 |
| | | | | J | 1.0 | 3.6 | 170.8 | 145.3 | 976.3 | 7.2 |
| | | | Min | I | -2.0 | -4.0 | -97.1 | -86.2 | -27.8 | -14.2 |
| | | | | CNT | -2.0 | -4.0 | -97.1 | -86.2 | -28.4 | -14.1 |
| | | | | J | -2.0 | -4.0 | -97.1 | -86.2 | -29.1 | -14.2 |
| | | | pp | I | 0.1 | 0.0 | 104.1 | -2.4 | 1360.7 | 0.2 |
| | | | | CNT | 0.1 | 0.0 | 110.5 | -2.4 | 1333.9 | 0.2 |
| | | | | J | 0.1 | 0.0 | 116.9 | -2.4 | 1305.5 | 0.1 |
| | | | perm | I | 0.1 | 0.0 | 30.2 | -4.8 | 386.6 | 0.3 |
| | | | | CNT | 0.1 | 0.0 | 31.7 | -4.8 | 378.9 | 0.3 |
| | | | | J | 0.1 | 0.0 | 33.2 | -4.8 | 370.7 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 219 | 1 | 1 c mobili | Max | I | 1.1 | 3.6 | 175.9 | 153.4 | 976.5 | 7.1 |
| | | | | CNT | 1.1 | 3.6 | 175.9 | 153.4 | 948.9 | 7.0 |
| | | | | J | 1.1 | 3.6 | 175.9 | 153.4 | 938.1 | 7.1 |
| | | | Min | I | -2.1 | -4.0 | -93.0 | -88.4 | -29.1 | -14.0 |
| | | | | CNT | -2.1 | -4.0 | -93.0 | -88.4 | -29.8 | -13.9 |
| | | | | J | -2.1 | -4.0 | -93.0 | -88.4 | -30.4 | -14.0 |
| | | | pp | I | 0.1 | 0.0 | 117.1 | -2.6 | 1305.5 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 123.4 | -2.6 | 1275.4 | 0.1 |
| | | | | J | 0.1 | 0.0 | 129.8 | -2.6 | 1243.7 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 33.9 | -5.3 | 370.7 | 0.3 |
| | | | | CNT | 0.1 | 0.1 | 35.4 | -5.3 | 362.0 | 0.3 |
| | | | | J | 0.1 | 0.1 | 36.9 | -5.3 | 353.0 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 220 | 1 | 1 c mobili | Max | I | 1.1 | 3.5 | 181.2 | 161.6 | 938.4 | 7.0 |
| | | | | CNT | 1.1 | 3.5 | 181.2 | 161.6 | 907.7 | 6.9 |
| | | | | J | 1.1 | 3.5 | 181.2 | 161.6 | 895.5 | 7.0 |
| | | | Min | I | -2.1 | -4.0 | -88.7 | -90.5 | -30.4 | -13.9 |
| | | | | CNT | -2.1 | -4.0 | -88.7 | -90.5 | -31.2 | -13.8 |
| | | | | J | -2.1 | -4.0 | -88.7 | -90.5 | -31.9 | -13.8 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|--------------|------|------|-------|--------|--------|-------|
| | | | pp | I | 0.1 | 0.0 | 130.0 | -2.8 | 1243.7 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 136.4 | -2.8 | 1210.4 | 0.1 |
| | | | | J | 0.1 | 0.0 | 142.8 | -2.8 | 1175.5 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 37.5 | -5.8 | 352.9 | 0.3 |
| | | | | CNT | 0.1 | 0.1 | 39.0 | -5.8 | 343.4 | 0.3 |
| | | | | J | 0.1 | 0.1 | 40.5 | -5.8 | 333.4 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 221 | 1 | 1 c mobili | Max | I | 1.1 | 3.4 | 186.7 | 170.0 | 895.7 | 6.9 |
| | | | | CNT | 1.1 | 3.4 | 186.7 | 170.0 | 861.9 | 6.8 |
| | | | | J | 1.1 | 3.4 | 186.7 | 170.0 | 848.1 | 6.8 |
| | | | Min | I | -2.2 | -4.0 | -84.1 | -92.6 | -31.9 | -13.6 |
| | | | | CNT | -2.2 | -4.0 | -84.1 | -92.6 | -32.7 | -13.5 |
| | | | | J | -2.2 | -4.0 | -84.1 | -92.6 | -33.5 | -13.6 |
| | | | pp | I | 0.1 | 0.0 | 142.9 | -3.0 | 1175.5 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 149.3 | -3.0 | 1138.9 | 0.1 |
| | | | | J | 0.1 | 0.0 | 155.7 | -3.0 | 1100.8 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 41.1 | -6.3 | 333.4 | 0.3 |
| | | | | CNT | 0.1 | 0.1 | 42.6 | -6.3 | 322.9 | 0.3 |
| | | | | J | 0.1 | 0.1 | 44.1 | -6.3 | 312.1 | 0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 222 | 1 | 1 c mobili | Max | I | 1.1 | 3.3 | 192.5 | 178.3 | 848.3 | 6.7 |
| | | | | CNT | 1.1 | 3.3 | 192.5 | 178.3 | 811.1 | 6.6 |
| | | | | J | 1.1 | 3.3 | 192.5 | 178.3 | 795.7 | 6.6 |
| | | | Min | I | -2.2 | -4.1 | -79.2 | -94.8 | -33.5 | -13.4 |
| | | | | CNT | -2.2 | -4.1 | -79.2 | -94.8 | -34.3 | -13.2 |
| | | | | J | -2.2 | -4.1 | -79.2 | -94.8 | -35.2 | -13.2 |
| | | | pp | I | 0.1 | 0.0 | 155.8 | -3.2 | 1100.8 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 162.2 | -3.2 | 1061.0 | 0.1 |
| | | | | J | 0.1 | 0.0 | 168.6 | -3.2 | 1019.7 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 44.6 | -6.7 | 312.0 | 0.3 |
| | | | | CNT | 0.1 | 0.1 | 46.1 | -6.7 | 300.7 | 0.2 |
| | | | | J | 0.1 | 0.1 | 47.6 | -6.7 | 289.0 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 223 | 1 | 1 c mobili | Max | I | 1.1 | 3.2 | 198.7 | 186.4 | 796.0 | 6.5 |
| | | | | CNT | 1.1 | 3.2 | 198.7 | 186.4 | 755.2 | 6.4 |
| | | | | J | 1.1 | 3.2 | 198.7 | 186.4 | 738.0 | 6.4 |
| | | | Min | I | -2.2 | -4.1 | -73.7 | -97.4 | -35.2 | -13.0 |
| | | | | CNT | -2.2 | -4.1 | -73.7 | -97.4 | -36.1 | -12.8 |
| | | | | J | -2.2 | -4.1 | -73.7 | -97.4 | -37.0 | -12.8 |
| | | | pp | I | 0.1 | 0.0 | 168.7 | -3.3 | 1019.6 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 175.1 | -3.3 | 976.7 | 0.1 |
| | | | | J | 0.1 | 0.0 | 181.4 | -3.3 | 932.1 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 48.1 | -7.1 | 288.9 | 0.2 |
| | | | | CNT | 0.1 | 0.1 | 49.6 | -7.1 | 276.7 | 0.2 |
| | | | | J | 0.1 | 0.1 | 51.1 | -7.1 | 264.1 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 224 | 1 | 1 c mobili | Max | I | 1.1 | 3.0 | 205.3 | 194.3 | 738.3 | 6.3 |
| | | | | CNT | 1.1 | 3.0 | 205.3 | 194.3 | 694.1 | 6.2 |
| | | | | J | 1.1 | 3.0 | 205.3 | 194.3 | 674.6 | 6.1 |
| | | | Min | I | -2.2 | -4.1 | -67.5 | -101.4 | -37.0 | -12.6 |
| | | | | CNT | -2.2 | -4.1 | -67.5 | -101.4 | -38.0 | -12.3 |
| | | | | J | -2.2 | -4.1 | -67.5 | -101.4 | -39.0 | -12.2 |
| | | | pp | I | 0.1 | 0.0 | 181.5 | -3.5 | 932.1 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 187.9 | -3.5 | 885.9 | 0.1 |
| | | | | J | 0.1 | 0.0 | 194.3 | -3.5 | 838.1 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 51.5 | -7.5 | 264.0 | 0.2 |
| | | | | CNT | 0.1 | 0.1 | 53.0 | -7.5 | 250.9 | 0.2 |
| | | | | J | 0.1 | 0.1 | 54.5 | -7.5 | 237.5 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 225 | 1 | 1 c mobili | Max | I | 1.1 | 2.8 | 212.6 | 201.6 | 675.0 | 6.1 |

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|-----|---|--------------|------------|--------------|------|-------|--------|-------|-------|-----|
| | | | CNT | 1.1 | 2.8 | 212.6 | 201.6 | 627.3 | 5.9 | |
| | | | J | 1.1 | 2.8 | 212.6 | 201.6 | 605.0 | 5.7 | |
| | | Min | I | -2.2 | -4.0 | -60.6 | -105.1 | -39.1 | -12.0 | |
| | | | CNT | -2.2 | -4.0 | -60.6 | -105.1 | -40.2 | -11.6 | |
| | | | J | -2.2 | -4.0 | -60.6 | -105.1 | -41.3 | -11.5 | |
| | | pp | I | 0.1 | 0.0 | 194.4 | -3.6 | 838.1 | 0.1 | |
| | | | CNT | 0.1 | 0.0 | 200.7 | -3.6 | 788.7 | 0.1 | |
| | | | J | 0.1 | 0.0 | 207.1 | -3.6 | 737.7 | 0.1 | |
| | | perm | I | 0.1 | 0.1 | 54.8 | -7.8 | 237.4 | 0.2 | |
| | | | CNT | 0.1 | 0.1 | 56.3 | -7.8 | 223.5 | 0.2 | |
| | | | J | 0.1 | 0.1 | 57.8 | -7.8 | 209.2 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 226 | 1 | 1 c mobili | Max | I | 1.0 | 2.6 | 220.8 | 208.2 | 605.3 | 5.7 |
| | | | | CNT | 1.0 | 2.6 | 220.8 | 208.2 | 553.8 | 5.5 |
| | | | | J | 1.0 | 2.6 | 220.8 | 208.2 | 528.3 | 5.3 |
| | | Min | I | -2.2 | -4.0 | -52.4 | -108.6 | -41.3 | -11.2 | |
| | | | CNT | -2.2 | -4.0 | -52.4 | -108.6 | -42.5 | -10.8 | |
| | | | J | -2.2 | -4.0 | -52.4 | -108.6 | -43.8 | -10.5 | |
| | | pp | I | 0.1 | 0.0 | 207.2 | -3.6 | 737.6 | 0.1 | |
| | | | CNT | 0.1 | 0.0 | 213.6 | -3.6 | 685.0 | 0.1 | |
| | | | J | 0.1 | 0.0 | 219.9 | -3.6 | 630.9 | 0.1 | |
| | | perm | I | 0.1 | 0.1 | 58.1 | -8.0 | 209.1 | 0.1 | |
| | | | CNT | 0.1 | 0.1 | 59.6 | -8.0 | 194.4 | 0.1 | |
| | | | J | 0.1 | 0.1 | 61.1 | -8.0 | 179.3 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 227 | 1 | 1 c mobili | Max | I | 1.0 | 2.5 | 230.1 | 213.6 | 528.7 | 5.2 |
| | | | | CNT | 1.0 | 2.5 | 230.1 | 213.6 | 472.7 | 5.0 |
| | | | | J | 1.0 | 2.5 | 230.1 | 213.6 | 443.6 | 4.7 |
| | | Min | I | -2.1 | -4.0 | -42.7 | -111.5 | -43.8 | -10.1 | |
| | | | CNT | -2.1 | -4.0 | -42.7 | -111.5 | -45.2 | -9.7 | |
| | | | J | -2.1 | -4.0 | -42.7 | -111.5 | -46.6 | -9.3 | |
| | | pp | I | 0.1 | -0.0 | 220.0 | -3.7 | 630.8 | 0.1 | |
| | | | CNT | 0.1 | -0.0 | 226.4 | -3.7 | 575.0 | 0.1 | |
| | | | J | 0.1 | -0.0 | 232.7 | -3.7 | 517.6 | 0.1 | |
| | | perm | I | 0.1 | 0.1 | 61.3 | -8.2 | 179.2 | 0.1 | |
| | | | CNT | 0.1 | 0.1 | 62.8 | -8.2 | 163.7 | 0.1 | |
| | | | J | 0.1 | 0.1 | 64.3 | -8.2 | 147.8 | 0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 228 | 1 | 1 c mobili | Max | I | 0.9 | 2.3 | 241.0 | 217.4 | 444.0 | 4.6 |
| | | | | CNT | 0.9 | 2.3 | 241.0 | 217.4 | 384.0 | 4.3 |
| | | | | J | 0.9 | 2.3 | 241.0 | 217.4 | 349.5 | 4.1 |
| | | Min | I | -1.9 | -4.1 | -30.8 | -113.7 | -46.6 | -8.8 | |
| | | | CNT | -1.9 | -4.1 | -30.8 | -113.7 | -48.2 | -8.4 | |
| | | | J | -1.9 | -4.1 | -30.8 | -113.7 | -49.7 | -7.9 | |
| | | pp | I | 0.1 | -0.0 | 232.8 | -3.8 | 517.6 | 0.1 | |
| | | | CNT | 0.1 | -0.0 | 239.2 | -3.8 | 458.6 | 0.1 | |
| | | | J | 0.1 | -0.0 | 245.5 | -3.8 | 398.0 | 0.1 | |
| | | perm | I | 0.1 | 0.0 | 64.5 | -8.3 | 147.7 | 0.1 | |
| | | | CNT | 0.1 | 0.0 | 66.0 | -8.3 | 131.4 | 0.1 | |
| | | | J | 0.1 | 0.0 | 67.5 | -8.3 | 114.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 229 | 1 | 1 c mobili | Max | I | 0.8 | 2.2 | 254.1 | 218.7 | 349.9 | 3.8 |
| | | | | CNT | 0.8 | 2.2 | 254.1 | 218.7 | 286.5 | 3.5 |
| | | | | J | 0.8 | 2.2 | 254.1 | 218.7 | 244.2 | 3.3 |
| | | Min | I | -1.6 | -4.2 | -20.4 | -115.2 | -49.8 | -7.3 | |
| | | | CNT | -1.6 | -4.2 | -20.4 | -115.2 | -51.5 | -6.7 | |
| | | | J | -1.6 | -4.2 | -20.4 | -115.2 | -53.3 | -6.2 | |
| | | pp | I | 0.1 | -0.0 | 245.6 | -3.8 | 397.9 | 0.1 | |
| | | | CNT | 0.1 | -0.0 | 252.0 | -3.8 | 335.7 | 0.1 | |
| | | | J | 0.1 | -0.0 | 258.3 | -3.8 | 272.0 | 0.1 | |
| | | perm | I | 0.1 | 0.0 | 67.5 | -8.3 | 114.6 | 0.0 | |
| | | | CNT | 0.1 | 0.0 | 69.0 | -8.3 | 97.6 | 0.0 | |
| | | | J | 0.1 | 0.0 | 70.5 | -8.3 | 80.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| | | | | | | | | | |
|-----|--------------|------------|-----------------------|------|------|--------|--------|-------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 230 | 1 | 1 c mobili | Max I | 0.7 | 2.1 | 270.3 | 216.6 | 244.5 | 2.9 |
| | | | CNT | 0.7 | 2.1 | 270.3 | 216.6 | 177.0 | 2.7 |
| | | | J | 0.7 | 2.1 | 270.3 | 216.6 | 124.9 | 2.5 |
| | | Min | I | -1.2 | -4.2 | -12.9 | -115.3 | -53.3 | -5.6 |
| | | | CNT | -1.2 | -4.2 | -12.9 | -115.3 | -55.3 | -4.7 |
| | | | J | -1.2 | -4.2 | -12.9 | -115.3 | -57.3 | -4.1 |
| | | pp | I | 0.1 | -0.0 | 258.4 | -3.9 | 271.9 | 0.1 |
| | | | CNT | 0.1 | -0.0 | 264.8 | -3.9 | 206.5 | 0.1 |
| | | | J | 0.1 | -0.0 | 271.2 | -3.9 | 139.5 | 0.1 |
| | | perm | I | 0.0 | 0.0 | 70.3 | -8.2 | 80.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 71.8 | -8.2 | 62.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 73.3 | -8.2 | 44.1 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 231 | 1 | 1 c mobili | Max I | 0.6 | 1.9 | 291.4 | 211.3 | 125.2 | 2.1 |
| | | | CNT | 0.6 | 1.9 | 291.4 | 211.3 | 64.2 | 2.1 |
| | | | J | 0.6 | 1.9 | 291.4 | 211.3 | 29.7 | 2.1 |
| | | Min | I | -0.8 | -4.1 | -4.3 | -113.3 | -57.4 | -3.6 |
| | | | CNT | -0.8 | -4.1 | -4.3 | -113.3 | -62.3 | -2.7 |
| | | | J | -0.8 | -4.1 | -4.3 | -113.3 | -80.5 | -2.0 |
| | | pp | I | 0.0 | 0.0 | 271.3 | -4.0 | 139.5 | 0.1 |
| | | | CNT | 0.0 | 0.0 | 277.6 | -4.0 | 70.8 | 0.1 |
| | | | J | 0.0 | 0.0 | 284.0 | -4.0 | 0.6 | 0.1 |
| | | perm | I | 0.0 | 0.0 | 73.0 | -7.8 | 44.0 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 74.5 | -7.8 | 25.6 | -0.0 |
| | | | J | 0.0 | 0.0 | 76.0 | -7.8 | 6.8 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 232 | 1 | 1 c mobili | Max I | 0.5 | 1.5 | 44.9 | 198.2 | 29.3 | 1.6 |
| | | | CNT | 0.5 | 1.5 | 44.9 | 198.2 | 18.1 | 1.6 |
| | | | J | 0.5 | 1.5 | 44.9 | 198.2 | 7.8 | 1.8 |
| | | Min | I | -0.5 | -3.7 | -155.6 | -108.2 | -80.3 | -1.7 |
| | | | CNT | -0.5 | -3.7 | -155.6 | -108.2 | -41.4 | -1.3 |
| | | | J | -0.5 | -3.7 | -155.6 | -108.2 | -11.5 | -1.4 |
| | | pp | I | 0.0 | 0.0 | -7.0 | -4.0 | 0.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.7 | -4.0 | 1.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 5.7 | -4.0 | 0.9 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 8.3 | -7.2 | 6.7 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 9.8 | -7.2 | 4.4 | -0.0 |
| | | | J | 0.0 | 0.0 | 11.3 | -7.2 | 1.7 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 233 | 2 | 4 c mobili | Max I | 1.4 | 0.7 | 131.7 | 24.5 | 63.4 | 0.9 |
| | | | CNT | 1.4 | 0.7 | 131.7 | 24.5 | 48.0 | 0.8 |
| | | | J | 1.4 | 0.7 | 145.7 | 24.5 | 26.0 | 0.7 |
| | | Min | I | -3.2 | -0.7 | -122.4 | -15.4 | -60.2 | -1.4 |
| | | | CNT | -3.2 | -0.7 | -122.4 | -15.4 | -51.1 | -1.4 |
| | | | J | -3.2 | -0.7 | -83.6 | -15.4 | -59.9 | -1.3 |
| | | pp | I | 0.1 | 0.0 | 0.0 | 0.0 | 5.8 | 0.1 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | 5.8 | 0.1 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | 5.8 | 0.1 |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | 9.5 | 0.2 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | 9.5 | 0.2 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | 9.5 | 0.2 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 234 | 2 | 3 c mobili | Max I | 0.9 | 0.3 | 9.9 | 1.5 | 3.2 | 0.3 |
| | | | CNT | 0.9 | 0.3 | 9.9 | 1.5 | 6.4 | 0.3 |
| | | | J | 0.9 | 0.3 | 79.8 | 1.5 | 2.3 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -46.9 | -0.9 | -7.8 | -0.5 |
| | | | CNT | -0.8 | -0.3 | -46.9 | -0.9 | -0.1 | -0.5 |
| | | | J | -0.8 | -0.3 | -7.7 | -0.9 | -11.8 | -0.5 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|-------|------|
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 235 | 2 | 3 c mobili | Max I | 1.0 | 0.5 | 6.9 | 1.5 | 2.7 | 0.4 |
| | | | CNT | 1.0 | 0.5 | 6.9 | 1.5 | 7.0 | 0.3 |
| | | | J | 1.0 | 0.5 | 75.7 | 1.5 | 1.4 | 0.2 |
| | | Min | I | -0.8 | -0.5 | -46.6 | -0.9 | -7.5 | -0.5 |
| | | | CNT | -0.8 | -0.5 | -46.6 | -0.9 | -0.5 | -0.5 |
| | | | J | -0.8 | -0.5 | -3.5 | -0.9 | -10.2 | -0.5 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 236 | 2 | 3 c mobili | Max I | 1.1 | 0.6 | 9.3 | 1.5 | 3.7 | 0.4 |
| | | | CNT | 1.1 | 0.6 | 9.3 | 1.5 | 7.7 | 0.3 |
| | | | J | 1.1 | 0.6 | 75.7 | 1.5 | 2.2 | 0.2 |
| | | Min | I | -0.7 | -0.5 | -47.7 | -0.9 | -7.9 | -0.5 |
| | | | CNT | -0.7 | -0.5 | -47.7 | -0.9 | -0.8 | -0.5 |
| | | | J | -0.7 | -0.5 | -2.3 | -0.9 | -10.3 | -0.5 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 237 | 2 | 3 c mobili | Max I | 1.2 | 0.6 | 11.6 | 1.4 | 4.7 | 0.4 |
| | | | CNT | 1.2 | 0.6 | 11.6 | 1.4 | 8.3 | 0.3 |
| | | | J | 1.2 | 0.6 | 75.1 | 1.4 | 3.3 | 0.2 |
| | | Min | I | -0.6 | -0.5 | -50.1 | -0.9 | -8.4 | -0.5 |
| | | | CNT | -0.6 | -0.5 | -50.1 | -0.9 | -1.2 | -0.5 |
| | | | J | -0.6 | -0.5 | -4.7 | -0.9 | -10.0 | -0.5 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 238 | 2 | 3 c mobili | Max I | 1.3 | 0.6 | 13.2 | 1.4 | 5.6 | 0.4 |
| | | | CNT | 1.3 | 0.6 | 13.2 | 1.4 | 9.0 | 0.2 |
| | | | J | 1.3 | 0.6 | 75.4 | 1.4 | 4.2 | 0.2 |
| | | Min | I | -0.6 | -0.5 | -52.0 | -0.9 | -8.7 | -0.5 |
| | | | CNT | -0.6 | -0.5 | -52.0 | -0.9 | -1.5 | -0.5 |
| | | | J | -0.6 | -0.5 | -6.7 | -0.9 | -9.8 | -0.5 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.1 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.1 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 239 | 2 | 3 c mobili | Max I | 1.4 | 0.6 | 14.4 | 1.4 | 6.3 | 0.4 |
| | | | CNT | 1.4 | 0.6 | 14.4 | 1.4 | 9.7 | 0.2 |
| | | | J | 1.4 | 0.6 | 75.6 | 1.4 | 5.1 | 0.1 |
| | | Min | I | -0.6 | -0.5 | -53.4 | -0.9 | -9.0 | -0.5 |
| | | | CNT | -0.6 | -0.5 | -53.4 | -0.9 | -1.9 | -0.5 |
| | | | J | -0.6 | -0.5 | -8.2 | -0.9 | -9.5 | -0.5 |

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| | | | | | | | | | | |
|-----|------------|------------|------------------|-----|------|------|-------|------|------|------|
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.1 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 240 | 2 | 3 c mobili | Max | I | 1.4 | 0.6 | 15.3 | 1.4 | 7.0 | 0.3 |
| | | | | CNT | 1.4 | 0.6 | 15.3 | 1.4 | 10.4 | 0.2 |
| | | | | J | 1.4 | 0.6 | 75.8 | 1.4 | 5.9 | 0.1 |
| | | | Min | I | -0.6 | -0.5 | -54.5 | -0.9 | -9.1 | -0.5 |
| | | | | CNT | -0.6 | -0.5 | -54.5 | -0.9 | -2.2 | -0.4 |
| | | | | J | -0.6 | -0.5 | -9.3 | -0.9 | -9.3 | -0.5 |
| | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.1 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.1 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 241 | 2 | 3 c mobili | Max | I | 1.5 | 0.6 | 15.9 | 1.3 | 7.5 | 0.3 |
| | | | | CNT | 1.5 | 0.6 | 15.9 | 1.3 | 11.0 | 0.2 |
| | | | | J | 1.5 | 0.6 | 76.0 | 1.3 | 6.6 | 0.1 |
| | | | Min | I | -0.6 | -0.5 | -55.3 | -0.8 | -9.2 | -0.5 |
| | | | | CNT | -0.6 | -0.5 | -55.3 | -0.8 | -2.5 | -0.4 |
| | | | | J | -0.6 | -0.5 | -10.1 | -0.8 | -9.1 | -0.5 |
| | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.1 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.1 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 242 | 2 | 3 c mobili | Max | I | 1.5 | 0.6 | 16.4 | 1.3 | 8.1 | 0.3 |
| | | | | CNT | 1.5 | 0.6 | 16.4 | 1.3 | 11.6 | 0.2 |
| | | | | J | 1.5 | 0.6 | 76.1 | 1.3 | 7.2 | 0.1 |
| | | | Min | I | -0.6 | -0.5 | -55.9 | -0.8 | -9.3 | -0.4 |
| | | | | CNT | -0.6 | -0.5 | -55.9 | -0.8 | -2.7 | -0.4 |
| | | | | J | -0.6 | -0.5 | -10.8 | -0.8 | -8.9 | -0.5 |
| | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.1 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.1 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 243 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 16.8 | 1.2 | 8.5 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 16.8 | 1.2 | 12.1 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.2 | 1.2 | 7.8 | 0.1 |
| | | | Min | I | -0.6 | -0.5 | -56.4 | -0.8 | -9.4 | -0.4 |
| | | | | CNT | -0.6 | -0.5 | -56.4 | -0.8 | -3.0 | -0.4 |
| | | | | J | -0.6 | -0.5 | -11.3 | -0.8 | -8.7 | -0.4 |
| | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 244 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.2 | 1.1 | 8.9 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 17.2 | 1.1 | 12.6 | 0.2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|------|------|-----|
| | | | J | 1.5 | 0.5 | 76.3 | 1.1 | 8.3 | 0.1 | |
| | | Min | I | -0.6 | -0.5 | -56.9 | -0.7 | -9.4 | -0.4 | |
| | | | CNT | -0.6 | -0.5 | -56.9 | -0.7 | -3.2 | -0.4 | |
| | | | J | -0.6 | -0.5 | -11.7 | -0.7 | -8.5 | -0.4 | |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 245 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.4 | 1.1 | 9.3 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 17.4 | 1.1 | 13.0 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.4 | 1.1 | 8.7 | 0.1 |
| | | Min | I | -0.6 | -0.5 | -57.2 | -0.7 | -9.5 | -0.4 | |
| | | | CNT | -0.6 | -0.5 | -57.2 | -0.7 | -3.4 | -0.4 | |
| | | | J | -0.6 | -0.5 | -12.1 | -0.7 | -8.4 | -0.4 | |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 246 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.6 | 1.0 | 9.6 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 17.6 | 1.0 | 13.4 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.5 | 1.0 | 9.1 | 0.1 |
| | | Min | I | -0.6 | -0.5 | -57.5 | -0.6 | -9.5 | -0.4 | |
| | | | CNT | -0.6 | -0.5 | -57.5 | -0.6 | -3.6 | -0.4 | |
| | | | J | -0.6 | -0.5 | -12.4 | -0.6 | -8.2 | -0.4 | |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 247 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.8 | 1.0 | 9.9 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 17.8 | 1.0 | 13.7 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.6 | 1.0 | 9.5 | 0.2 |
| | | Min | I | -0.6 | -0.5 | -57.7 | -0.6 | -9.5 | -0.4 | |
| | | | CNT | -0.6 | -0.5 | -57.7 | -0.6 | -3.8 | -0.3 | |
| | | | J | -0.6 | -0.5 | -12.6 | -0.6 | -8.1 | -0.4 | |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 248 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.0 | 0.9 | 10.2 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 18.0 | 0.9 | 14.1 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.6 | 0.9 | 9.7 | 0.2 |
| | | Min | I | -0.6 | -0.5 | -57.9 | -0.6 | -9.5 | -0.4 | |
| | | | CNT | -0.6 | -0.5 | -57.9 | -0.6 | -3.9 | -0.3 | |
| | | | J | -0.6 | -0.5 | -12.8 | -0.6 | -7.9 | -0.4 | |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 249 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.1 | 0.8 | 10.4 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 18.1 | 0.8 | 14.3 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.7 | 0.8 | 10.0 | 0.2 |
| | | | Min | I | -0.6 | -0.5 | -58.1 | -0.6 | -9.6 | -0.4 |
| | | | | CNT | -0.6 | -0.5 | -58.1 | -0.6 | -4.1 | -0.3 |
| | | | | J | -0.6 | -0.5 | -13.0 | -0.6 | -7.8 | -0.4 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 250 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.2 | 0.8 | 10.6 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 18.2 | 0.8 | 14.5 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.7 | 0.8 | 10.2 | 0.2 |
| | | | Min | I | -0.5 | -0.5 | -58.2 | -0.5 | -9.6 | -0.3 |
| | | | | CNT | -0.5 | -0.5 | -58.2 | -0.5 | -4.2 | -0.3 |
| | | | | J | -0.5 | -0.5 | -13.1 | -0.5 | -7.7 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 251 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.3 | 0.7 | 10.7 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 18.3 | 0.7 | 14.7 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.7 | 0.7 | 10.4 | 0.2 |
| | | | Min | I | -0.5 | -0.5 | -58.3 | -0.5 | -9.6 | -0.3 |
| | | | | CNT | -0.5 | -0.5 | -58.3 | -0.5 | -4.3 | -0.3 |
| | | | | J | -0.5 | -0.5 | -13.3 | -0.5 | -7.7 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|-------|------|
| 252 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.3 | 0.6 | 10.8 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 18.3 | 0.6 | 14.9 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.8 | 0.6 | 10.5 | 0.2 |
| | | | Min | I | -0.5 | -0.5 | -58.4 | -0.5 | -10.1 | -0.3 |
| | | | | CNT | -0.5 | -0.5 | -58.4 | -0.5 | -4.3 | -0.3 |
| | | | | J | -0.5 | -0.5 | -13.3 | -0.5 | -7.6 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|-------|------|
| 253 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.4 | 0.6 | 10.9 | 0.3 |
| | | | | CNT | 1.5 | 0.5 | 18.4 | 0.6 | 15.0 | 0.2 |
| | | | | J | 1.5 | 0.5 | 76.8 | 0.6 | 10.6 | 0.2 |
| | | | Min | I | -0.5 | -0.5 | -58.5 | -0.5 | -10.2 | -0.3 |
| | | | | CNT | -0.5 | -0.5 | -58.5 | -0.5 | -4.4 | -0.3 |
| | | | | J | -0.5 | -0.5 | -13.4 | -0.5 | -7.6 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|-------|------|
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 254 | 2 | 3 c mobili | Max I | 1.5 | 0.5 | 18.4 | 0.5 | 11.0 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.4 | 0.5 | 15.1 | 0.2 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.5 | 10.7 | 0.2 |
| | | Min | I | -0.5 | -0.5 | -58.5 | -0.5 | -10.2 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.5 | -0.5 | -4.4 | -0.3 |
| | | | J | -0.5 | -0.5 | -13.5 | -0.5 | -7.5 | -0.3 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 255 | 2 | 3 c mobili | Max I | 1.5 | 0.5 | 18.4 | 0.5 | 11.0 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.4 | 0.5 | 15.1 | 0.2 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.5 | 10.7 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.6 | -0.4 | -10.2 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.6 | -0.4 | -4.4 | -0.3 |
| | | | J | -0.5 | -0.5 | -13.5 | -0.4 | -7.5 | -0.3 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 256 | 2 | 3 c mobili | Max I | 1.5 | 0.5 | 18.4 | 0.4 | 10.9 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.4 | 0.4 | 15.1 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.4 | 10.7 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.6 | -0.4 | -10.2 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.6 | -0.4 | -4.4 | -0.3 |
| | | | J | -0.5 | -0.5 | -13.5 | -0.4 | -7.5 | -0.3 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 257 | 2 | 3 c mobili | Max I | 1.5 | 0.5 | 18.4 | 0.4 | 11.0 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.4 | 0.4 | 15.1 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.4 | 10.7 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.6 | -0.5 | -10.2 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.6 | -0.5 | -4.4 | -0.2 |
| | | | J | -0.5 | -0.5 | -13.5 | -0.5 | -7.5 | -0.3 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 258 | 2 | 3 c mobili | Max I | 1.5 | 0.5 | 18.4 | 0.5 | 11.0 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.4 | 0.5 | 15.1 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.5 | 10.7 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.5 | -0.5 | -10.2 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.5 | -0.5 | -4.4 | -0.2 |
| | | | J | -0.5 | -0.5 | -13.5 | -0.5 | -7.5 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|----------------|------------------|------|------|-------|------|-------|------|
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 259 | 2 | 3 c mobili Max | I | 1.5 | 0.5 | 18.4 | 0.5 | 10.9 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.4 | 0.5 | 15.0 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.5 | 10.6 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.5 | -0.6 | -10.2 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.5 | -0.6 | -4.4 | -0.2 |
| | | | J | -0.5 | -0.5 | -13.4 | -0.6 | -7.6 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 260 | 2 | 3 c mobili Max | I | 1.5 | 0.5 | 18.3 | 0.5 | 10.8 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.3 | 0.5 | 14.9 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.8 | 0.5 | 10.5 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.4 | -0.6 | -10.1 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.4 | -0.6 | -4.3 | -0.2 |
| | | | J | -0.5 | -0.5 | -13.3 | -0.6 | -7.6 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 261 | 2 | 3 c mobili Max | I | 1.5 | 0.5 | 18.3 | 0.5 | 10.7 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.3 | 0.5 | 14.7 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.7 | 0.5 | 10.4 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.3 | -0.7 | -9.6 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.3 | -0.7 | -4.3 | -0.2 |
| | | | J | -0.5 | -0.5 | -13.3 | -0.7 | -7.7 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 262 | 2 | 3 c mobili Max | I | 1.5 | 0.5 | 18.2 | 0.5 | 10.6 | 0.3 |
| | | | CNT | 1.5 | 0.5 | 18.2 | 0.5 | 14.5 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.7 | 0.5 | 10.2 | 0.3 |
| | | Min | I | -0.5 | -0.5 | -58.2 | -0.8 | -9.6 | -0.3 |
| | | | CNT | -0.5 | -0.5 | -58.2 | -0.8 | -4.2 | -0.2 |
| | | | J | -0.5 | -0.5 | -13.1 | -0.8 | -7.7 | -0.2 |
| | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 263 | 2 | 3 c mobili Max | I | 1.5 | 0.5 | 18.1 | 0.6 | 10.4 | 0.4 |
| | | | CNT | 1.5 | 0.5 | 18.1 | 0.6 | 14.3 | 0.3 |
| | | | J | 1.5 | 0.5 | 76.7 | 0.6 | 10.0 | 0.4 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|------|------|-------|------|------|------|
| | | | Min | I | -0.6 | -0.5 | -58.1 | -0.8 | -9.6 | -0.3 |
| | | | | CNT | -0.6 | -0.5 | -58.1 | -0.8 | -4.1 | -0.2 |
| | | | | J | -0.6 | -0.5 | -13.0 | -0.8 | -7.8 | -0.2 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 264 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 18.0 | 0.6 | 10.2 | 0.4 |
| | | | | CNT | 1.5 | 0.5 | 18.0 | 0.6 | 14.1 | 0.3 |
| | | | | J | 1.5 | 0.5 | 76.6 | 0.6 | 9.7 | 0.4 |
| | | | Min | I | -0.6 | -0.5 | -57.9 | -0.9 | -9.5 | -0.3 |
| | | | | CNT | -0.6 | -0.5 | -57.9 | -0.9 | -3.9 | -0.2 |
| | | | | J | -0.6 | -0.5 | -12.8 | -0.9 | -7.9 | -0.2 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 265 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.8 | 0.6 | 9.9 | 0.4 |
| | | | | CNT | 1.5 | 0.5 | 17.8 | 0.6 | 13.7 | 0.3 |
| | | | | J | 1.5 | 0.5 | 76.6 | 0.6 | 9.5 | 0.4 |
| | | | Min | I | -0.6 | -0.5 | -57.7 | -1.0 | -9.5 | -0.3 |
| | | | | CNT | -0.6 | -0.5 | -57.7 | -1.0 | -3.8 | -0.2 |
| | | | | J | -0.6 | -0.5 | -12.6 | -1.0 | -8.1 | -0.2 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 266 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.6 | 0.6 | 9.6 | 0.4 |
| | | | | CNT | 1.5 | 0.5 | 17.6 | 0.6 | 13.4 | 0.4 |
| | | | | J | 1.5 | 0.5 | 76.5 | 0.6 | 9.1 | 0.4 |
| | | | Min | I | -0.6 | -0.5 | -57.5 | -1.0 | -9.5 | -0.3 |
| | | | | CNT | -0.6 | -0.5 | -57.5 | -1.0 | -3.6 | -0.2 |
| | | | | J | -0.6 | -0.5 | -12.4 | -1.0 | -8.2 | -0.1 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 267 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.4 | 0.7 | 9.3 | 0.4 |
| | | | | CNT | 1.5 | 0.5 | 17.4 | 0.7 | 13.0 | 0.4 |
| | | | | J | 1.5 | 0.5 | 76.4 | 0.7 | 8.7 | 0.4 |
| | | | Min | I | -0.6 | -0.5 | -57.2 | -1.1 | -9.5 | -0.3 |
| | | | | CNT | -0.6 | -0.5 | -57.2 | -1.1 | -3.4 | -0.2 |
| | | | | J | -0.6 | -0.5 | -12.1 | -1.1 | -8.4 | -0.1 |
| | | | pp | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.0 |
| | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|------------|------|------------|------------------|------|------------|------------------|-------|------|------|------|------|------|-----|
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | | | |
| 268 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 17.2 | 0.7 | 8.9 | 0.4 | | | |
| | | | | CNT | 1.5 | 0.5 | 17.2 | 0.7 | 12.6 | 0.4 | | | |
| | | | | J | 1.5 | 0.5 | 76.3 | 0.7 | 8.3 | 0.4 | | | |
| | | | Min | I | -0.6 | -0.5 | -56.9 | -1.1 | -9.4 | -0.3 | | | |
| | | | | CNT | -0.6 | -0.5 | -56.9 | -1.1 | -3.2 | -0.2 | | | |
| | | | | J | -0.6 | -0.5 | -11.7 | -1.1 | -8.5 | -0.1 | | | |
| | | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.0 | | |
| | | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.0 | | |
| | | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 269 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 16.8 | 0.8 | 8.5 | 0.4 |
| | | | | | | | CNT | 1.5 | 0.5 | 16.8 | 0.8 | 12.1 | 0.4 |
| | J | 1.5 | | | | 0.5 | 76.2 | 0.8 | 7.8 | 0.4 | | | |
| Min | I | -0.6 | | | | -0.5 | -56.4 | -1.2 | -9.4 | -0.3 | | | |
| | CNT | -0.6 | | | | -0.5 | -56.4 | -1.2 | -3.0 | -0.2 | | | |
| | J | -0.6 | | | | -0.5 | -11.3 | -1.2 | -8.7 | -0.1 | | | |
| | PP | I | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | CNT | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | J | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | perm | I | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.0 | | |
| | | CNT | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.0 | | |
| | | J | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 2 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 270 | 2 | 3 c mobili | | | | Max | I | 1.5 | 0.5 | 16.4 | 0.8 | 8.1 | 0.4 |
| | | | | | | | CNT | 1.5 | 0.5 | 16.4 | 0.8 | 11.6 | 0.4 |
| | | | | J | 1.5 | 0.5 | 76.1 | 0.8 | 7.2 | 0.5 | | | |
| | | | Min | I | -0.6 | -0.6 | -55.9 | -1.3 | -9.3 | -0.3 | | | |
| | | | | CNT | -0.6 | -0.6 | -55.9 | -1.3 | -2.7 | -0.2 | | | |
| | | | | J | -0.6 | -0.6 | -10.8 | -1.3 | -8.9 | -0.1 | | | |
| | | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | | |
| | | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | | |
| | | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 271 | 2 | 3 c mobili | Max | I | 1.5 | 0.5 | 15.9 | 0.8 | 7.5 | 0.5 |
| | | | | | | | CNT | 1.5 | 0.5 | 15.9 | 0.8 | 11.0 | 0.4 |
| | J | 1.5 | | | | 0.5 | 76.0 | 0.8 | 6.6 | 0.5 | | | |
| Min | I | -0.6 | | | | -0.6 | -55.3 | -1.3 | -9.2 | -0.3 | | | |
| | CNT | -0.6 | | | | -0.6 | -55.3 | -1.3 | -2.5 | -0.2 | | | |
| | J | -0.6 | | | | -0.6 | -10.1 | -1.3 | -9.1 | -0.1 | | | |
| | PP | I | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | CNT | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | | J | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.0 | | |
| | perm | I | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | | |
| | | CNT | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | | |
| | | J | | | | -0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 2 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 272 | 2 | 3 c mobili | | | | Max | I | 1.4 | 0.5 | 15.3 | 0.9 | 7.0 | 0.5 |
| | | | | | | | CNT | 1.4 | 0.5 | 15.3 | 0.9 | 10.4 | 0.4 |
| | | | | J | 1.4 | 0.5 | 75.8 | 0.9 | 5.9 | 0.5 | | | |
| | | | Min | I | -0.6 | -0.6 | -54.5 | -1.4 | -9.1 | -0.3 | | | |
| | | | | CNT | -0.6 | -0.6 | -54.5 | -1.4 | -2.2 | -0.2 | | | |
| | | | | J | -0.6 | -0.6 | -9.3 | -1.4 | -9.3 | -0.1 | | | |
| | | | | PP | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | | |
| | | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | | |
| | | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | | |
| | | | | perm | I | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.1 | | |
| | | | | | CNT | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.1 | | |
| | | | | | J | -0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.1 | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|------------|------------|------------|------------------|------|------|-------|------|-------|------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 273 | 2 | 3 c mobili | Max | I | 1.4 | 0.5 | 14.4 | 0.9 | 6.3 | 0.5 | |
| | | | | CNT | 1.4 | 0.5 | 14.4 | 0.9 | 9.7 | 0.5 | |
| | | | | J | 1.4 | 0.5 | 75.6 | 0.9 | 5.1 | 0.5 | |
| | | | Min | I | -0.6 | -0.6 | -53.4 | -1.4 | -9.0 | -0.4 | |
| | | | | CNT | -0.6 | -0.6 | -53.4 | -1.4 | -1.9 | -0.2 | |
| | | | | J | -0.6 | -0.6 | -8.2 | -1.4 | -9.5 | -0.1 | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.1 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.1 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 274 | 2 | 3 c mobili | Max | I | 1.3 | 0.5 | 13.2 | 0.9 | 5.6 | 0.5 | |
| | | | | CNT | 1.3 | 0.5 | 13.2 | 0.9 | 9.0 | 0.5 | |
| | | | | J | 1.3 | 0.5 | 75.4 | 0.9 | 4.2 | 0.5 | |
| | | | Min | I | -0.6 | -0.6 | -52.0 | -1.4 | -8.7 | -0.4 | |
| | | | | CNT | -0.6 | -0.6 | -52.0 | -1.4 | -1.5 | -0.2 | |
| | | | | J | -0.6 | -0.6 | -6.7 | -1.4 | -9.8 | -0.2 | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 275 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 11.6 | 0.9 | 4.7 | 0.5 | |
| | | | | CNT | 1.2 | 0.5 | 11.6 | 0.9 | 8.3 | 0.5 | |
| | | | | J | 1.2 | 0.5 | 75.1 | 0.9 | 3.3 | 0.5 | |
| | | | Min | I | -0.6 | -0.6 | -50.1 | -1.4 | -8.4 | -0.4 | |
| | | | | CNT | -0.6 | -0.6 | -50.1 | -1.4 | -1.2 | -0.3 | |
| | | | | J | -0.6 | -0.6 | -4.7 | -1.4 | -10.0 | -0.2 | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 276 | 2 | 3 c mobili | Max | I | 1.1 | 0.5 | 9.3 | 0.9 | 3.7 | 0.5 | |
| | | | | CNT | 1.1 | 0.5 | 9.3 | 0.9 | 7.7 | 0.5 | |
| | | | | J | 1.1 | 0.5 | 75.7 | 0.9 | 2.2 | 0.5 | |
| | | | Min | I | -0.7 | -0.6 | -47.7 | -1.5 | -7.9 | -0.4 | |
| | | | | CNT | -0.7 | -0.6 | -47.7 | -1.5 | -0.8 | -0.3 | |
| | | | | J | -0.7 | -0.6 | -2.3 | -1.5 | -10.3 | -0.2 | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.0 | |
| | | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | |
| | | | | J | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 277 | 2 | 3 c mobili | Max | I | 1.0 | 0.5 | 6.9 | 0.9 | 2.7 | 0.5 | |
| | | | | CNT | 1.0 | 0.5 | 6.9 | 0.9 | 7.0 | 0.5 | |
| | | | | J | 1.0 | 0.5 | 75.7 | 0.9 | 1.4 | 0.5 | |
| | | | Min | I | -0.8 | -0.5 | -46.6 | -1.5 | -7.5 | -0.4 | |
| | | | | CNT | -0.8 | -0.5 | -46.6 | -1.5 | -0.5 | -0.3 | |
| | | | | J | -0.8 | -0.5 | -3.5 | -1.5 | -10.2 | -0.2 | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | -0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | -0.0 | |

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| | | | | | | | | | | |
|-----|--------------|------------|-----------------------|------|------|--------|--------|-------|-------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | -0.0 | |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 278 | 2 | 3 c mobili | Max | I | 0.9 | 0.3 | 9.9 | 0.9 | 3.2 | 0.5 |
| | | | | CNT | 0.9 | 0.3 | 9.9 | 0.9 | 6.4 | 0.5 |
| | | | | J | 0.9 | 0.3 | 79.8 | 0.9 | 2.3 | 0.5 |
| | | Min | I | -0.8 | -0.3 | -46.9 | -1.5 | -7.8 | -0.3 | -0.3 |
| | | | CNT | -0.8 | -0.3 | -46.9 | -1.5 | -0.1 | -0.3 | -0.3 |
| | | | J | -0.8 | -0.3 | -7.7 | -1.5 | -11.8 | -0.2 | -0.2 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | -0.0 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | -0.0 | -0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.0 | -0.0 | -0.0 |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 279 | 2 | 4 c mobili | Max | I | 1.4 | 0.7 | 131.7 | 15.4 | 63.4 | 1.4 |
| | | | CNT | 1.4 | 0.7 | 131.7 | 15.4 | 48.0 | 1.4 | 1.4 |
| | | | J | 1.4 | 0.7 | 145.7 | 15.4 | 26.0 | 1.3 | 1.3 |
| | | Min | I | -3.2 | -0.7 | -122.4 | -24.5 | -60.2 | -0.9 | -0.9 |
| | | | CNT | -3.2 | -0.7 | -122.4 | -24.5 | -51.1 | -0.8 | -0.8 |
| | | | J | -3.2 | -0.7 | -83.6 | -24.5 | -59.9 | -0.7 | -0.7 |
| | | pp | I | 0.1 | 0.0 | 0.0 | 0.0 | 5.8 | -0.1 | -0.1 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | 5.8 | -0.1 | -0.1 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | 5.8 | -0.1 | -0.1 |
| | | perm | I | 0.1 | 0.0 | 0.0 | 0.0 | 9.5 | -0.2 | -0.2 |
| | | | CNT | 0.1 | 0.0 | 0.0 | 0.0 | 9.5 | -0.2 | -0.2 |
| | | | J | 0.1 | 0.0 | 0.0 | 0.0 | 9.5 | -0.2 | -0.2 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: traverso cap | | | | | | | |
| 280 | 1 | 1 c mobili | Max | I | 1.1 | 0.7 | 173.3 | 141.2 | 5.5 | 0.7 |
| | | | CNT | 1.1 | 0.7 | 173.3 | 141.2 | 15.0 | 0.9 | 0.9 |
| | | | J | 1.1 | 0.7 | 173.3 | 141.2 | 25.1 | 1.0 | 1.0 |
| | | Min | I | -0.5 | -1.4 | -40.7 | -192.6 | -13.1 | -1.2 | -1.2 |
| | | | CNT | -0.5 | -1.4 | -40.7 | -192.6 | -46.8 | -1.2 | -1.2 |
| | | | J | -0.5 | -1.4 | -40.7 | -192.6 | -90.1 | -1.3 | -1.3 |
| | | pp | I | 0.0 | 0.0 | -5.7 | -4.0 | 0.9 | -0.0 | -0.0 |
| | | | CNT | 0.0 | 0.0 | 0.7 | -4.0 | 1.5 | -0.0 | -0.0 |
| | | | J | 0.0 | 0.0 | 7.0 | -4.0 | 0.6 | -0.0 | -0.0 |
| | | perm | I | 0.0 | 0.0 | -11.3 | -7.2 | 1.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.8 | -7.2 | 4.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.3 | -7.2 | 6.7 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 281 | 1 | 1 c mobili | Max | I | 1.3 | 0.9 | 4.2 | 149.4 | 25.5 | 1.4 |
| | | | CNT | 1.3 | 0.9 | 4.2 | 149.4 | 61.7 | 1.6 | 1.6 |
| | | | J | 1.3 | 0.9 | 4.2 | 149.4 | 126.8 | 2.0 | 2.0 |
| | | Min | I | -0.6 | -1.6 | -311.1 | -203.6 | -90.3 | -1.8 | -1.8 |
| | | | CNT | -0.6 | -1.6 | -311.1 | -203.6 | -66.8 | -2.0 | -2.0 |
| | | | J | -0.6 | -1.6 | -311.1 | -203.6 | -59.2 | -2.1 | -2.1 |
| | | pp | I | 0.0 | 0.0 | -284.0 | -4.0 | 0.6 | -0.1 | -0.1 |
| | | | CNT | 0.0 | 0.0 | -277.6 | -4.0 | 70.8 | -0.1 | -0.1 |
| | | | J | 0.0 | 0.0 | -271.3 | -4.0 | 139.5 | -0.1 | -0.1 |
| | | perm | I | 0.0 | 0.0 | -76.0 | -7.8 | 6.8 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -74.5 | -7.8 | 25.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -73.0 | -7.8 | 44.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 282 | 1 | 1 c mobili | Max | I | 1.6 | 1.1 | 6.0 | 153.2 | 126.5 | 2.4 |
| | | | CNT | 1.6 | 1.1 | 6.0 | 153.2 | 182.0 | 2.8 | 2.8 |
| | | | J | 1.6 | 1.1 | 6.0 | 153.2 | 252.8 | 3.1 | 3.1 |
| | | Min | I | -0.7 | -1.8 | -284.1 | -208.5 | -59.2 | -2.8 | -2.8 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|--------|--------|--------|-------|------|
| | | | CNT | -0.7 | -1.8 | -284.1 | -208.5 | -56.7 | -3.0 | |
| | | | J | -0.7 | -1.8 | -284.1 | -208.5 | -54.5 | -3.3 | |
| | | pp | I | 0.1 | -0.0 | -271.2 | -3.9 | 139.5 | -0.1 | |
| | | | CNT | 0.1 | -0.0 | -264.8 | -3.9 | 206.5 | -0.1 | |
| | | | J | 0.1 | -0.0 | -258.4 | -3.9 | 271.9 | -0.1 | |
| | | perm | I | 0.0 | 0.0 | -73.3 | -8.2 | 44.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -71.8 | -8.2 | 62.3 | -0.0 | |
| | | | J | 0.0 | 0.0 | -70.3 | -8.2 | 80.0 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 283 | 1 | 1 c mobili | Max | I | 2.0 | 1.2 | 16.3 | 153.9 | 252.5 | 3.6 |
| | | | | CNT | 2.0 | 1.2 | 16.3 | 153.9 | 297.4 | 3.9 |
| | | | | J | 2.0 | 1.2 | 16.3 | 153.9 | 363.1 | 4.3 |
| | | | Min | I | -1.2 | -2.0 | -263.6 | -209.5 | -54.5 | -4.0 |
| | | | | CNT | -1.2 | -2.0 | -263.6 | -209.5 | -52.7 | -4.2 |
| | | | | J | -1.2 | -2.0 | -263.6 | -209.5 | -50.9 | -4.5 |
| | | pp | I | 0.1 | -0.0 | -258.3 | -3.8 | 272.0 | -0.1 | |
| | | | CNT | 0.1 | -0.0 | -252.0 | -3.8 | 335.7 | -0.1 | |
| | | | J | 0.1 | -0.0 | -245.6 | -3.8 | 397.9 | -0.1 | |
| | | perm | I | 0.1 | 0.0 | -70.5 | -8.3 | 80.1 | -0.0 | |
| | | | CNT | 0.1 | 0.0 | -69.0 | -8.3 | 97.6 | -0.0 | |
| | | | J | 0.1 | 0.0 | -67.5 | -8.3 | 114.6 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 284 | 1 | 1 c mobili | Max | I | 2.1 | 1.2 | 28.4 | 152.5 | 362.7 | 4.7 |
| | | | | CNT | 2.1 | 1.2 | 28.4 | 152.5 | 399.1 | 5.0 |
| | | | | J | 2.1 | 1.2 | 28.4 | 152.5 | 460.4 | 5.4 |
| | | | Min | I | -1.6 | -2.0 | -247.9 | -208.0 | -50.8 | -5.2 |
| | | | | CNT | -1.6 | -2.0 | -247.9 | -208.0 | -49.3 | -5.4 |
| | | | | J | -1.6 | -2.0 | -247.9 | -208.0 | -47.8 | -5.6 |
| | | pp | I | 0.1 | -0.0 | -245.5 | -3.8 | 398.0 | -0.1 | |
| | | | CNT | 0.1 | -0.0 | -239.2 | -3.8 | 458.6 | -0.1 | |
| | | | J | 0.1 | -0.0 | -232.8 | -3.8 | 517.6 | -0.1 | |
| | | perm | I | 0.1 | 0.0 | -67.5 | -8.3 | 114.7 | -0.0 | |
| | | | CNT | 0.1 | 0.0 | -66.0 | -8.3 | 131.4 | -0.1 | |
| | | | J | 0.1 | 0.0 | -64.5 | -8.3 | 147.7 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 285 | 1 | 1 c mobili | Max | I | 2.2 | 1.2 | 41.7 | 149.6 | 460.0 | 5.7 |
| | | | | CNT | 2.2 | 1.2 | 41.7 | 149.6 | 492.8 | 6.0 |
| | | | | J | 2.2 | 1.2 | 41.7 | 149.6 | 547.8 | 6.3 |
| | | | Min | I | -1.8 | -2.0 | -235.5 | -204.8 | -47.7 | -6.2 |
| | | | | CNT | -1.8 | -2.0 | -235.5 | -204.8 | -46.4 | -6.4 |
| | | | | J | -1.8 | -2.0 | -235.5 | -204.8 | -45.1 | -6.6 |
| | | pp | I | 0.1 | -0.0 | -232.7 | -3.7 | 517.6 | -0.1 | |
| | | | CNT | 0.1 | -0.0 | -226.4 | -3.7 | 575.0 | -0.1 | |
| | | | J | 0.1 | -0.0 | -220.0 | -3.7 | 630.8 | -0.1 | |
| | | perm | I | 0.1 | 0.1 | -64.3 | -8.2 | 147.8 | -0.1 | |
| | | | CNT | 0.1 | 0.1 | -62.8 | -8.2 | 163.7 | -0.1 | |
| | | | J | 0.1 | 0.1 | -61.3 | -8.2 | 179.2 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 286 | 1 | 1 c mobili | Max | I | 2.2 | 1.2 | 51.7 | 145.7 | 547.4 | 6.5 |
| | | | | CNT | 2.2 | 1.2 | 51.7 | 145.7 | 577.0 | 6.8 |
| | | | | J | 2.2 | 1.2 | 51.7 | 145.7 | 626.5 | 7.1 |
| | | | Min | I | -2.0 | -2.0 | -225.4 | -200.1 | -45.1 | -7.2 |
| | | | | CNT | -2.0 | -2.0 | -225.4 | -200.1 | -43.9 | -7.3 |
| | | | | J | -2.0 | -2.0 | -225.4 | -200.1 | -42.8 | -7.5 |
| | | pp | I | 0.1 | 0.0 | -219.9 | -3.6 | 630.9 | -0.1 | |
| | | | CNT | 0.1 | 0.0 | -213.6 | -3.6 | 685.0 | -0.1 | |
| | | | J | 0.1 | 0.0 | -207.2 | -3.6 | 737.6 | -0.1 | |
| | | perm | I | 0.1 | 0.1 | -61.1 | -8.0 | 179.3 | -0.1 | |
| | | | CNT | 0.1 | 0.1 | -59.6 | -8.0 | 194.4 | -0.1 | |
| | | | J | 0.1 | 0.1 | -58.1 | -8.0 | 209.1 | -0.1 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|------------|------|-----|-----|------|--------|--------|--------|-------|------|
| 287 | 1 | 1 c mobili | Max | I | 2.1 | 1.2 | 59.4 | 141.0 | 626.1 | 7.2 | |
| | | | | CNT | 2.1 | 1.2 | 59.4 | 141.0 | 653.2 | 7.4 | |
| | | | | J | 2.1 | 1.2 | 59.4 | 141.0 | 698.2 | 7.7 | |
| | | | | Min | I | -2.1 | -1.9 | -216.7 | -194.4 | -42.7 | -8.0 |
| | | | | | CNT | -2.1 | -1.9 | -216.7 | -194.4 | -41.7 | -8.1 |
| | | | | | J | -2.1 | -1.9 | -216.7 | -194.4 | -40.6 | -8.3 |
| | | | pp | I | 0.1 | 0.0 | -207.1 | -3.6 | 737.7 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -200.7 | -3.6 | 788.7 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -194.4 | -3.6 | 838.1 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -57.8 | -7.8 | 209.2 | -0.1 | |
| | | | | CNT | 0.1 | 0.1 | -56.3 | -7.8 | 223.5 | -0.2 | |
| | | | | J | 0.1 | 0.1 | -54.8 | -7.8 | 237.4 | -0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|-----|------|--------|--------|--------|-------|------|
| 288 | 1 | 1 c mobili | Max | I | 2.0 | 1.3 | 65.6 | 135.7 | 697.9 | 7.7 | |
| | | | | CNT | 2.0 | 1.3 | 65.6 | 135.7 | 722.4 | 7.9 | |
| | | | | J | 2.0 | 1.3 | 65.6 | 135.7 | 763.6 | 8.2 | |
| | | | | Min | I | -2.2 | -1.9 | -209.2 | -187.6 | -40.6 | -8.7 |
| | | | | | CNT | -2.2 | -1.9 | -209.2 | -187.6 | -39.6 | -8.9 |
| | | | | | J | -2.2 | -1.9 | -209.2 | -187.6 | -38.7 | -9.0 |
| | | | pp | I | 0.1 | 0.0 | -194.3 | -3.5 | 838.1 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -187.9 | -3.5 | 885.9 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -181.5 | -3.5 | 932.1 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -54.5 | -7.5 | 237.5 | -0.2 | |
| | | | | CNT | 0.1 | 0.1 | -53.0 | -7.5 | 250.9 | -0.2 | |
| | | | | J | 0.1 | 0.1 | -51.5 | -7.5 | 264.0 | -0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|-----|------|--------|--------|--------|-------|------|
| 289 | 1 | 1 c mobili | Max | I | 1.9 | 1.4 | 71.7 | 130.0 | 763.2 | 8.2 | |
| | | | | CNT | 1.9 | 1.4 | 71.7 | 130.0 | 785.5 | 8.3 | |
| | | | | J | 1.9 | 1.4 | 71.7 | 130.0 | 823.1 | 8.5 | |
| | | | | Min | I | -2.2 | -1.9 | -202.3 | -180.2 | -38.6 | -9.4 |
| | | | | | CNT | -2.2 | -1.9 | -202.3 | -180.2 | -37.7 | -9.5 |
| | | | | | J | -2.2 | -1.9 | -202.3 | -180.2 | -36.8 | -9.6 |
| | | | pp | I | 0.1 | 0.0 | -181.4 | -3.3 | 932.1 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -175.1 | -3.3 | 976.7 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -168.7 | -3.3 | 1019.6 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -51.1 | -7.1 | 264.1 | -0.2 | |
| | | | | CNT | 0.1 | 0.1 | -49.6 | -7.1 | 276.7 | -0.2 | |
| | | | | J | 0.1 | 0.1 | -48.1 | -7.1 | 288.9 | -0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|-----|------|--------|--------|--------|-------|-------|
| 290 | 1 | 1 c mobili | Max | I | 1.8 | 1.4 | 77.5 | 124.2 | 822.8 | 8.5 | |
| | | | | CNT | 1.8 | 1.4 | 77.5 | 124.2 | 843.0 | 8.6 | |
| | | | | J | 1.8 | 1.4 | 77.5 | 124.2 | 877.5 | 8.8 | |
| | | | | Min | I | -2.2 | -1.9 | -196.0 | -172.5 | -36.8 | -9.9 |
| | | | | | CNT | -2.2 | -1.9 | -196.0 | -172.5 | -36.0 | -10.0 |
| | | | | | J | -2.2 | -1.9 | -196.0 | -172.5 | -35.1 | -10.1 |
| | | | pp | I | 0.1 | 0.0 | -168.6 | -3.2 | 1019.7 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -162.2 | -3.2 | 1061.0 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -155.8 | -3.2 | 1100.8 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -47.6 | -6.7 | 289.0 | -0.2 | |
| | | | | CNT | 0.1 | 0.1 | -46.1 | -6.7 | 300.7 | -0.2 | |
| | | | | J | 0.1 | 0.1 | -44.6 | -6.7 | 312.0 | -0.3 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|-----|------|--------|--------|--------|-------|-------|
| 291 | 1 | 1 c mobili | Max | I | 1.8 | 1.4 | 83.0 | 118.2 | 877.1 | 8.8 | |
| | | | | CNT | 1.8 | 1.4 | 83.0 | 118.2 | 895.2 | 8.9 | |
| | | | | J | 1.8 | 1.4 | 83.0 | 118.2 | 926.7 | 9.0 | |
| | | | | Min | I | -2.2 | -1.9 | -190.2 | -164.4 | -35.1 | -10.4 |
| | | | | | CNT | -2.2 | -1.9 | -190.2 | -164.4 | -34.4 | -10.4 |
| | | | | | J | -2.2 | -1.9 | -190.2 | -164.4 | -33.6 | -10.5 |
| | | | pp | I | 0.1 | 0.0 | -155.7 | -3.0 | 1100.8 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -149.3 | -3.0 | 1138.9 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -142.9 | -3.0 | 1175.5 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -44.1 | -6.3 | 312.1 | -0.3 | |
| | | | | CNT | 0.1 | 0.1 | -42.6 | -6.3 | 322.9 | -0.3 | |
| | | | | J | 0.1 | 0.1 | -41.1 | -6.3 | 333.4 | -0.3 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|------------|--------------|------|------|--------|--------|--------|-------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 292 | 1 | 1 c mobili | Max | I | 1.7 | 1.5 | 88.0 | 112.1 | 926.4 | 9.0 | |
| | | | | CNT | 1.7 | 1.5 | 88.0 | 112.1 | 942.6 | 9.1 | |
| | | | | J | 1.7 | 1.5 | 88.0 | 112.1 | 971.0 | 9.2 | |
| | | | Min | I | -2.1 | -1.9 | -184.6 | -155.7 | -33.6 | -10.7 | |
| | | | | CNT | -2.1 | -1.9 | -184.6 | -155.7 | -32.8 | -10.8 | |
| | | | | J | -2.1 | -1.9 | -184.6 | -155.7 | -32.1 | -10.8 | |
| | | | pp | I | 0.1 | 0.0 | -142.8 | -2.8 | 1175.5 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -136.4 | -2.8 | 1210.4 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -130.0 | -2.8 | 1243.7 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -40.5 | -5.8 | 333.4 | -0.3 | |
| | | | | CNT | 0.1 | 0.1 | -39.0 | -5.8 | 343.4 | -0.3 | |
| | | | | J | 0.1 | 0.1 | -37.5 | -5.8 | 352.9 | -0.3 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 293 | 1 | 1 c mobili | Max | I | 1.7 | 1.5 | 92.9 | 105.9 | 970.7 | 9.2 | |
| | | | | CNT | 1.7 | 1.5 | 92.9 | 105.9 | 985.2 | 9.2 | |
| | | | | J | 1.7 | 1.5 | 92.9 | 105.9 | 1010.8 | 9.3 | |
| | | | Min | I | -2.1 | -1.8 | -179.2 | -146.7 | -32.1 | -11.1 | |
| | | | | CNT | -2.1 | -1.8 | -179.2 | -146.7 | -31.4 | -11.1 | |
| | | | | J | -2.1 | -1.8 | -179.2 | -146.7 | -30.7 | -11.1 | |
| | | | pp | I | 0.1 | 0.0 | -129.8 | -2.6 | 1243.7 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -123.4 | -2.6 | 1275.4 | -0.1 | |
| | | | | J | 0.1 | 0.0 | -117.1 | -2.6 | 1305.5 | -0.1 | |
| | | | perm | I | 0.1 | 0.1 | -36.9 | -5.3 | 353.0 | -0.3 | |
| | | | | CNT | 0.1 | 0.1 | -35.4 | -5.3 | 362.0 | -0.3 | |
| | | | | J | 0.1 | 0.1 | -33.9 | -5.3 | 370.7 | -0.3 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 294 | 1 | 1 c mobili | Max | I | 1.7 | 1.6 | 97.5 | 99.7 | 1010.5 | 9.3 | |
| | | | | CNT | 1.7 | 1.6 | 97.5 | 99.7 | 1023.0 | 9.3 | |
| | | | | J | 1.7 | 1.6 | 97.5 | 99.7 | 1046.2 | 9.4 | |
| | | | Min | I | -2.0 | -1.8 | -174.1 | -138.1 | -30.7 | -11.3 | |
| | | | | CNT | -2.0 | -1.8 | -174.1 | -138.1 | -30.0 | -11.4 | |
| | | | | J | -2.0 | -1.8 | -174.1 | -138.1 | -29.3 | -11.4 | |
| | | | pp | I | 0.1 | 0.0 | -116.9 | -2.4 | 1305.5 | -0.1 | |
| | | | | CNT | 0.1 | 0.0 | -110.5 | -2.4 | 1333.9 | -0.2 | |
| | | | | J | 0.1 | 0.0 | -104.1 | -2.4 | 1360.7 | -0.2 | |
| | | | perm | I | 0.1 | 0.0 | -33.2 | -4.8 | 370.7 | -0.3 | |
| | | | | CNT | 0.1 | 0.0 | -31.7 | -4.8 | 378.9 | -0.3 | |
| | | | | J | 0.1 | 0.0 | -30.2 | -4.8 | 386.6 | -0.3 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 295 | 1 | 1 c mobili | Max | I | 1.6 | 1.6 | 102.0 | 93.6 | 1046.0 | 9.4 | |
| | | | | CNT | 1.6 | 1.6 | 102.0 | 93.6 | 1056.3 | 9.4 | |
| | | | | J | 1.6 | 1.6 | 102.0 | 93.6 | 1077.1 | 9.5 | |
| | | | Min | I | -2.0 | -1.8 | -169.1 | -129.4 | -29.3 | -11.6 | |
| | | | | CNT | -2.0 | -1.8 | -169.1 | -129.4 | -28.7 | -11.6 | |
| | | | | J | -2.0 | -1.8 | -169.1 | -129.4 | -28.0 | -11.6 | |
| | | | pp | I | 0.1 | 0.0 | -103.9 | -2.1 | 1360.8 | -0.2 | |
| | | | | CNT | 0.1 | 0.0 | -97.5 | -2.1 | 1386.0 | -0.2 | |
| | | | | J | 0.1 | 0.0 | -91.2 | -2.1 | 1409.5 | -0.2 | |
| | | | perm | I | 0.1 | 0.0 | -29.6 | -4.3 | 386.7 | -0.3 | |
| | | | | CNT | 0.1 | 0.0 | -28.1 | -4.3 | 393.9 | -0.3 | |
| | | | | J | 0.1 | 0.0 | -26.6 | -4.3 | 400.7 | -0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 296 | 1 | 1 c mobili | Max | I | 1.6 | 1.7 | 106.4 | 88.8 | 1076.9 | 9.5 | |
| | | | | CNT | 1.6 | 1.7 | 106.4 | 88.8 | 1085.4 | 9.5 | |
| | | | | J | 1.6 | 1.7 | 106.4 | 88.8 | 1103.5 | 9.6 | |
| | | | Min | I | -2.0 | -1.8 | -164.2 | -120.8 | -28.0 | -11.8 | |
| | | | | CNT | -2.0 | -1.8 | -164.2 | -120.8 | -27.4 | -11.8 | |
| | | | | J | -2.0 | -1.8 | -164.2 | -120.8 | -26.8 | -11.8 | |
| | | | pp | I | 0.0 | 0.0 | -90.9 | -1.9 | 1409.6 | -0.2 | |
| | | | | CNT | 0.0 | 0.0 | -84.6 | -1.9 | 1431.5 | -0.2 | |
| | | | | J | 0.0 | 0.0 | -78.2 | -1.9 | 1451.8 | -0.2 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|--------------|------|------|--------|--------|--------|-------|
| | | | perm | I | 0.1 | 0.0 | -25.9 | -3.7 | 400.7 | -0.3 |
| | | | | CNT | 0.1 | 0.0 | -24.4 | -3.7 | 407.0 | -0.4 |
| | | | | J | 0.1 | 0.0 | -22.9 | -3.7 | 412.9 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 297 | 1 | 1 c mobili | Max | I | 1.6 | 1.7 | 110.7 | 85.7 | 1103.3 | 9.6 |
| | | | | CNT | 1.6 | 1.7 | 110.7 | 85.7 | 1110.2 | 9.6 |
| | | | | J | 1.6 | 1.7 | 110.7 | 85.7 | 1125.4 | 9.6 |
| | | | Min | I | -1.9 | -1.8 | -159.4 | -113.1 | -26.8 | -11.9 |
| | | | | CNT | -1.9 | -1.8 | -159.4 | -113.1 | -26.2 | -11.9 |
| | | | | J | -1.9 | -1.8 | -159.4 | -113.1 | -25.6 | -11.9 |
| | | | pp | I | 0.0 | 0.0 | -77.9 | -1.6 | 1451.9 | -0.2 |
| | | | | CNT | 0.0 | 0.0 | -71.6 | -1.6 | 1470.6 | -0.2 |
| | | | | J | 0.0 | 0.0 | -65.2 | -1.6 | 1487.7 | -0.2 |
| | | | perm | I | 0.1 | 0.0 | -22.1 | -3.2 | 413.0 | -0.4 |
| | | | | CNT | 0.1 | 0.0 | -20.6 | -3.2 | 418.3 | -0.4 |
| | | | | J | 0.1 | 0.0 | -19.1 | -3.2 | 423.3 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 298 | 1 | 1 c mobili | Max | I | 1.6 | 1.7 | 115.0 | 83.2 | 1125.3 | 9.6 |
| | | | | CNT | 1.6 | 1.7 | 115.0 | 83.2 | 1130.7 | 9.6 |
| | | | | J | 1.6 | 1.7 | 115.0 | 83.2 | 1143.3 | 9.6 |
| | | | Min | I | -1.9 | -1.8 | -154.7 | -106.3 | -25.6 | -12.0 |
| | | | | CNT | -1.9 | -1.8 | -154.7 | -106.3 | -25.1 | -12.0 |
| | | | | J | -1.9 | -1.8 | -154.7 | -106.3 | -24.6 | -12.1 |
| | | | pp | I | 0.0 | 0.0 | -64.9 | -1.3 | 1487.7 | -0.2 |
| | | | | CNT | 0.0 | 0.0 | -58.6 | -1.3 | 1503.1 | -0.2 |
| | | | | J | 0.0 | 0.0 | -52.2 | -1.3 | 1517.0 | -0.2 |
| | | | perm | I | 0.1 | 0.0 | -18.4 | -2.6 | 423.3 | -0.4 |
| | | | | CNT | 0.1 | 0.0 | -16.9 | -2.6 | 427.7 | -0.4 |
| | | | | J | 0.1 | 0.0 | -15.4 | -2.6 | 431.8 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 299 | 1 | 1 c mobili | Max | I | 1.6 | 1.7 | 119.3 | 81.1 | 1143.1 | 9.6 |
| | | | | CNT | 1.6 | 1.7 | 119.3 | 81.1 | 1146.9 | 9.6 |
| | | | | J | 1.6 | 1.7 | 119.3 | 81.1 | 1156.8 | 9.7 |
| | | | Min | I | -1.9 | -1.8 | -150.0 | -99.6 | -24.6 | -12.1 |
| | | | | CNT | -1.9 | -1.8 | -150.0 | -99.6 | -24.0 | -12.1 |
| | | | | J | -1.9 | -1.8 | -150.0 | -99.6 | -23.5 | -12.1 |
| | | | pp | I | 0.0 | 0.0 | -51.9 | -1.0 | 1517.0 | -0.2 |
| | | | | CNT | 0.0 | 0.0 | -45.6 | -1.0 | 1529.2 | -0.2 |
| | | | | J | 0.0 | 0.0 | -39.2 | -1.0 | 1539.7 | -0.2 |
| | | | perm | I | 0.1 | 0.0 | -14.7 | -2.0 | 431.8 | -0.4 |
| | | | | CNT | 0.1 | 0.0 | -13.2 | -2.0 | 435.3 | -0.4 |
| | | | | J | 0.1 | 0.0 | -11.7 | -2.0 | 438.4 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 300 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 123.5 | 79.5 | 1156.7 | 9.6 |
| | | | | CNT | 1.6 | 1.8 | 123.5 | 79.5 | 1158.8 | 9.6 |
| | | | | J | 1.6 | 1.8 | 123.5 | 79.5 | 1166.4 | 9.7 |
| | | | Min | I | -1.9 | -1.8 | -145.5 | -93.2 | -23.5 | -12.2 |
| | | | | CNT | -1.9 | -1.8 | -145.5 | -93.2 | -23.0 | -12.2 |
| | | | | J | -1.9 | -1.8 | -145.5 | -93.2 | -22.5 | -12.2 |
| | | | pp | I | 0.0 | 0.0 | -38.9 | -0.7 | 1539.8 | -0.2 |
| | | | | CNT | 0.0 | 0.0 | -32.5 | -0.7 | 1548.7 | -0.2 |
| | | | | J | 0.0 | 0.0 | -26.2 | -0.7 | 1556.0 | -0.2 |
| | | | perm | I | 0.1 | 0.0 | -10.9 | -1.5 | 438.4 | -0.4 |
| | | | | CNT | 0.1 | 0.0 | -9.4 | -1.5 | 440.9 | -0.4 |
| | | | | J | 0.1 | 0.0 | -7.9 | -1.5 | 443.1 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 301 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 127.8 | 78.3 | 1166.3 | 9.7 |
| | | | | CNT | 1.6 | 1.8 | 127.8 | 78.3 | 1166.6 | 9.6 |
| | | | | J | 1.6 | 1.8 | 127.8 | 78.3 | 1171.7 | 9.7 |
| | | | Min | I | -1.9 | -1.8 | -141.0 | -87.2 | -22.5 | -12.3 |
| | | | | CNT | -1.9 | -1.8 | -141.0 | -87.2 | -22.0 | -12.2 |

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|-----|---|--------------|------------|--------------|------|--------|--------|--------|--------|-------|
| | | | J | -1.9 | -1.8 | -141.0 | -87.2 | -21.5 | -12.3 | |
| | | PP | I | 0.0 | 0.0 | -25.9 | -0.4 | 1556.0 | -0.2 | |
| | | | CNT | 0.0 | 0.0 | -19.5 | -0.4 | 1561.7 | -0.2 | |
| | | | J | 0.0 | 0.0 | -13.2 | -0.4 | 1565.8 | -0.2 | |
| | | perm | I | 0.1 | 0.0 | -7.1 | -0.9 | 443.1 | -0.4 | |
| | | | CNT | 0.1 | 0.0 | -5.6 | -0.9 | 444.7 | -0.4 | |
| | | | J | 0.1 | 0.0 | -4.1 | -0.9 | 445.9 | -0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 302 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 132.1 | 77.6 | 1171.6 | 9.7 |
| | | | | CNT | 1.6 | 1.8 | 132.1 | 77.6 | 1170.1 | 9.6 |
| | | | | J | 1.6 | 1.8 | 132.1 | 77.6 | 1172.8 | 9.7 |
| | | | Min | I | -1.8 | -1.8 | -136.5 | -81.6 | -21.5 | -12.3 |
| | | | | CNT | -1.8 | -1.8 | -136.5 | -81.6 | -21.0 | -12.2 |
| | | | | J | -1.8 | -1.8 | -136.5 | -81.6 | -20.5 | -12.3 |
| | | PP | I | 0.0 | 0.0 | -12.9 | -0.1 | 1565.8 | -0.2 | |
| | | | CNT | 0.0 | 0.0 | -6.5 | -0.1 | 1568.2 | -0.2 | |
| | | | J | 0.0 | 0.0 | -0.1 | -0.1 | 1569.1 | -0.2 | |
| | | perm | I | 0.1 | 0.0 | -3.4 | -0.3 | 446.0 | -0.4 | |
| | | | CNT | 0.1 | 0.0 | -1.9 | -0.3 | 446.6 | -0.4 | |
| | | | J | 0.1 | 0.0 | -0.4 | -0.3 | 446.9 | -0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 303 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 136.5 | 81.6 | 1172.8 | 9.7 |
| | | | | CNT | 1.6 | 1.8 | 136.5 | 81.6 | 1170.1 | 9.6 |
| | | | | J | 1.6 | 1.8 | 136.5 | 81.6 | 1171.6 | 9.7 |
| | | | Min | I | -1.8 | -1.8 | -132.1 | -77.6 | -20.5 | -12.3 |
| | | | | CNT | -1.8 | -1.8 | -132.1 | -77.6 | -21.0 | -12.2 |
| | | | | J | -1.8 | -1.8 | -132.1 | -77.6 | -21.5 | -12.3 |
| | | PP | I | 0.0 | -0.0 | 0.1 | 0.1 | 1569.1 | -0.2 | |
| | | | CNT | 0.0 | -0.0 | 6.5 | 0.1 | 1568.2 | -0.2 | |
| | | | J | 0.0 | -0.0 | 12.9 | 0.1 | 1565.8 | -0.2 | |
| | | perm | I | 0.1 | -0.0 | 0.4 | 0.3 | 446.9 | -0.4 | |
| | | | CNT | 0.1 | -0.0 | 1.9 | 0.3 | 446.6 | -0.4 | |
| | | | J | 0.1 | -0.0 | 3.4 | 0.3 | 446.0 | -0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 304 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 141.0 | 87.2 | 1171.7 | 9.7 |
| | | | | CNT | 1.6 | 1.8 | 141.0 | 87.2 | 1166.6 | 9.6 |
| | | | | J | 1.6 | 1.8 | 141.0 | 87.2 | 1166.3 | 9.7 |
| | | | Min | I | -1.9 | -1.8 | -127.8 | -78.3 | -21.5 | -12.3 |
| | | | | CNT | -1.9 | -1.8 | -127.8 | -78.3 | -22.0 | -12.2 |
| | | | | J | -1.9 | -1.8 | -127.8 | -78.3 | -22.5 | -12.3 |
| | | PP | I | 0.0 | -0.0 | 13.2 | 0.4 | 1565.8 | -0.2 | |
| | | | CNT | 0.0 | -0.0 | 19.5 | 0.4 | 1561.7 | -0.2 | |
| | | | J | 0.0 | -0.0 | 25.9 | 0.4 | 1556.0 | -0.2 | |
| | | perm | I | 0.1 | -0.0 | 4.1 | 0.9 | 445.9 | -0.4 | |
| | | | CNT | 0.1 | -0.0 | 5.6 | 0.9 | 444.7 | -0.4 | |
| | | | J | 0.1 | -0.0 | 7.1 | 0.9 | 443.1 | -0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 305 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 145.5 | 93.2 | 1166.4 | 9.7 |
| | | | | CNT | 1.6 | 1.8 | 145.5 | 93.2 | 1158.8 | 9.6 |
| | | | | J | 1.6 | 1.8 | 145.5 | 93.2 | 1156.7 | 9.6 |
| | | | Min | I | -1.9 | -1.8 | -123.5 | -79.5 | -22.5 | -12.2 |
| | | | | CNT | -1.9 | -1.8 | -123.5 | -79.5 | -23.0 | -12.2 |
| | | | | J | -1.9 | -1.8 | -123.5 | -79.5 | -23.5 | -12.2 |
| | | PP | I | 0.0 | -0.0 | 26.2 | 0.7 | 1556.0 | -0.2 | |
| | | | CNT | 0.0 | -0.0 | 32.5 | 0.7 | 1548.7 | -0.2 | |
| | | | J | 0.0 | -0.0 | 38.9 | 0.7 | 1539.8 | -0.2 | |
| | | perm | I | 0.1 | -0.0 | 7.9 | 1.5 | 443.1 | -0.4 | |
| | | | CNT | 0.1 | -0.0 | 9.4 | 1.5 | 440.9 | -0.4 | |
| | | | J | 0.1 | -0.0 | 10.9 | 1.5 | 438.4 | -0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|--------------|-----|------------|--------------|-----|------------|--------------|-------|--------|--------|-------|-------|--------|-----|
| 306 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 150.0 | 99.6 | 1156.8 | 9.7 | | | |
| | | | | CNT | 1.6 | 1.8 | 150.0 | 99.6 | 1146.9 | 9.6 | | | |
| | | | | J | 1.6 | 1.8 | 150.0 | 99.6 | 1143.1 | 9.6 | | | |
| | | | | Min | I | -1.9 | -1.7 | -119.3 | -81.1 | -23.5 | -12.1 | | |
| | | | | | CNT | -1.9 | -1.7 | -119.3 | -81.1 | -24.0 | -12.1 | | |
| | | | | | J | -1.9 | -1.7 | -119.3 | -81.1 | -24.6 | -12.1 | | |
| | | | pp | I | 0.0 | -0.0 | 39.2 | 1.0 | 1539.7 | -0.2 | | | |
| | | | | CNT | 0.0 | -0.0 | 45.6 | 1.0 | 1529.2 | -0.2 | | | |
| | | | | J | 0.0 | -0.0 | 51.9 | 1.0 | 1517.0 | -0.2 | | | |
| | | | perm | I | 0.1 | -0.0 | 11.7 | 2.0 | 438.4 | -0.4 | | | |
| | | | | CNT | 0.1 | -0.0 | 13.2 | 2.0 | 435.3 | -0.4 | | | |
| | | | | J | 0.1 | -0.0 | 14.7 | 2.0 | 431.8 | -0.4 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 307 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 154.7 | 106.3 | 1143.3 | 9.6 |
| | | | | | | | CNT | 1.6 | 1.8 | 154.7 | 106.3 | 1130.7 | 9.6 |
| J | 1.6 | 1.8 | | | | | 154.7 | 106.3 | 1125.3 | 9.6 | | | |
| Min | I | -1.9 | | | | | -1.7 | -115.0 | -83.2 | -24.6 | -12.1 | | |
| | CNT | -1.9 | | | | | -1.7 | -115.0 | -83.2 | -25.1 | -12.0 | | |
| | J | -1.9 | | | | | -1.7 | -115.0 | -83.2 | -25.6 | -12.0 | | |
| pp | I | 0.0 | | | | -0.0 | 52.2 | 1.3 | 1517.0 | -0.2 | | | |
| | CNT | 0.0 | | | | -0.0 | 58.6 | 1.3 | 1503.1 | -0.2 | | | |
| | J | 0.0 | | | | -0.0 | 64.9 | 1.3 | 1487.7 | -0.2 | | | |
| perm | I | 0.1 | | | | -0.0 | 15.4 | 2.6 | 431.8 | -0.4 | | | |
| | CNT | 0.1 | | | | -0.0 | 16.9 | 2.6 | 427.7 | -0.4 | | | |
| | J | 0.1 | | | | -0.0 | 18.4 | 2.6 | 423.3 | -0.4 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 308 | 1 | 1 c mobili | | | | Max | I | 1.6 | 1.8 | 159.4 | 113.1 | 1125.4 | 9.6 |
| | | | | | | | CNT | 1.6 | 1.8 | 159.4 | 113.1 | 1110.2 | 9.6 |
| | | | J | 1.6 | 1.8 | | 159.4 | 113.1 | 1103.3 | 9.6 | | | |
| | | | Min | I | -1.9 | | -1.7 | -110.7 | -85.7 | -25.6 | -11.9 | | |
| | | | | CNT | -1.9 | | -1.7 | -110.7 | -85.7 | -26.2 | -11.9 | | |
| | | | | J | -1.9 | | -1.7 | -110.7 | -85.7 | -26.8 | -11.9 | | |
| | | | pp | I | 0.0 | -0.0 | 65.2 | 1.6 | 1487.7 | -0.2 | | | |
| | | | | CNT | 0.0 | -0.0 | 71.6 | 1.6 | 1470.6 | -0.2 | | | |
| | | | | J | 0.0 | -0.0 | 77.9 | 1.6 | 1451.9 | -0.2 | | | |
| | | | perm | I | 0.1 | -0.0 | 19.1 | 3.2 | 423.3 | -0.4 | | | |
| | | | | CNT | 0.1 | -0.0 | 20.6 | 3.2 | 418.3 | -0.4 | | | |
| | | | | J | 0.1 | -0.0 | 22.1 | 3.2 | 413.0 | -0.4 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 309 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 164.2 | 120.8 | 1103.5 | 9.6 |
| | | | | | | | CNT | 1.6 | 1.8 | 164.2 | 120.8 | 1085.4 | 9.5 |
| J | 1.6 | 1.8 | | | | | 164.2 | 120.8 | 1076.9 | 9.5 | | | |
| Min | I | -2.0 | | | | | -1.7 | -106.4 | -88.8 | -26.8 | -11.8 | | |
| | CNT | -2.0 | | | | | -1.7 | -106.4 | -88.8 | -27.4 | -11.8 | | |
| | J | -2.0 | | | | | -1.7 | -106.4 | -88.8 | -28.0 | -11.8 | | |
| pp | I | 0.0 | | | | -0.0 | 78.2 | 1.9 | 1451.8 | -0.2 | | | |
| | CNT | 0.0 | | | | -0.0 | 84.6 | 1.9 | 1431.5 | -0.2 | | | |
| | J | 0.0 | | | | -0.0 | 90.9 | 1.9 | 1409.6 | -0.2 | | | |
| perm | I | 0.1 | | | | -0.0 | 22.9 | 3.7 | 412.9 | -0.4 | | | |
| | CNT | 0.1 | | | | -0.0 | 24.4 | 3.7 | 407.0 | -0.4 | | | |
| | J | 0.1 | | | | -0.0 | 25.9 | 3.7 | 400.7 | -0.3 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 310 | 1 | 1 c mobili | | | | Max | I | 1.6 | 1.8 | 169.1 | 129.4 | 1077.1 | 9.5 |
| | | | | | | | CNT | 1.6 | 1.8 | 169.1 | 129.4 | 1056.3 | 9.4 |
| | | | J | 1.6 | 1.8 | | 169.1 | 129.4 | 1046.0 | 9.4 | | | |
| | | | Min | I | -2.0 | | -1.6 | -102.0 | -93.6 | -28.0 | -11.6 | | |
| | | | | CNT | -2.0 | | -1.6 | -102.0 | -93.6 | -28.7 | -11.6 | | |
| | | | | J | -2.0 | | -1.6 | -102.0 | -93.6 | -29.3 | -11.6 | | |
| | | | pp | I | 0.1 | -0.0 | 91.2 | 2.1 | 1409.5 | -0.2 | | | |
| | | | | CNT | 0.1 | -0.0 | 97.5 | 2.1 | 1386.0 | -0.2 | | | |
| | | | | J | 0.1 | -0.0 | 103.9 | 2.1 | 1360.8 | -0.2 | | | |
| | | | perm | I | 0.1 | -0.0 | 26.6 | 4.3 | 400.7 | -0.4 | | | |
| | | | | CNT | 0.1 | -0.0 | 28.1 | 4.3 | 393.9 | -0.3 | | | |
| | | | | J | 0.1 | -0.0 | 29.6 | 4.3 | 386.7 | -0.3 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

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| | | | | | | | | | | | |
|-----|--------------|------------|--------------|------|------|-------|--------|--------|-------|-----|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 311 | 1 | 1 c mobili | Max I | 1.7 | 1.8 | 174.1 | 138.1 | 1046.2 | 9.4 | | |
| | | | CNT | 1.7 | 1.8 | 174.1 | 138.1 | 1023.0 | 9.3 | | |
| | | | J | 1.7 | 1.8 | 174.1 | 138.1 | 1010.5 | 9.3 | | |
| | | | Min I | -2.0 | -1.6 | -97.5 | -99.7 | -29.3 | -11.4 | | |
| | | | CNT | -2.0 | -1.6 | -97.5 | -99.7 | -30.0 | -11.4 | | |
| | | | J | -2.0 | -1.6 | -97.5 | -99.7 | -30.7 | -11.3 | | |
| | | | PP I | 0.1 | -0.0 | 104.1 | 2.4 | 1360.7 | -0.2 | | |
| | | | CNT | 0.1 | -0.0 | 110.5 | 2.4 | 1333.9 | -0.2 | | |
| | | | J | 0.1 | -0.0 | 116.9 | 2.4 | 1305.5 | -0.1 | | |
| | | | perm I | 0.1 | -0.0 | 30.2 | 4.8 | 386.6 | -0.3 | | |
| | | | CNT | 0.1 | -0.0 | 31.7 | 4.8 | 378.9 | -0.3 | | |
| | | | J | 0.1 | -0.0 | 33.2 | 4.8 | 370.7 | -0.3 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 312 | 1 | 1 c mobili | Max I | 1.7 | 1.8 | 179.2 | 146.7 | 1010.8 | 9.3 | | |
| | | | CNT | 1.7 | 1.8 | 179.2 | 146.7 | 985.2 | 9.2 | | |
| | | | J | 1.7 | 1.8 | 179.2 | 146.7 | 970.7 | 9.2 | | |
| | | | Min I | -2.1 | -1.5 | -92.9 | -105.9 | -30.7 | -11.1 | | |
| | | | CNT | -2.1 | -1.5 | -92.9 | -105.9 | -31.4 | -11.1 | | |
| | | | J | -2.1 | -1.5 | -92.9 | -105.9 | -32.1 | -11.1 | | |
| | | | PP I | 0.1 | -0.0 | 117.1 | 2.6 | 1305.5 | -0.1 | | |
| | | | CNT | 0.1 | -0.0 | 123.4 | 2.6 | 1275.4 | -0.1 | | |
| | | | J | 0.1 | -0.0 | 129.8 | 2.6 | 1243.7 | -0.1 | | |
| | | | perm I | 0.1 | -0.1 | 33.9 | 5.3 | 370.7 | -0.3 | | |
| | | | CNT | 0.1 | -0.1 | 35.4 | 5.3 | 362.0 | -0.3 | | |
| | | | J | 0.1 | -0.1 | 36.9 | 5.3 | 353.0 | -0.3 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 313 | 1 | 1 c mobili | Max I | 1.7 | 1.9 | 184.6 | 155.7 | 971.0 | 9.2 | | |
| | | | CNT | 1.7 | 1.9 | 184.6 | 155.7 | 942.6 | 9.1 | | |
| | | | J | 1.7 | 1.9 | 184.6 | 155.7 | 926.4 | 9.0 | | |
| | | | Min I | -2.1 | -1.5 | -88.0 | -112.1 | -32.1 | -10.8 | | |
| | | | CNT | -2.1 | -1.5 | -88.0 | -112.1 | -32.8 | -10.8 | | |
| | | | J | -2.1 | -1.5 | -88.0 | -112.1 | -33.6 | -10.7 | | |
| | | | PP I | 0.1 | -0.0 | 130.0 | 2.8 | 1243.7 | -0.1 | | |
| | | | CNT | 0.1 | -0.0 | 136.4 | 2.8 | 1210.4 | -0.1 | | |
| | | | J | 0.1 | -0.0 | 142.8 | 2.8 | 1175.5 | -0.1 | | |
| | | | perm I | 0.1 | -0.1 | 37.5 | 5.8 | 352.9 | -0.3 | | |
| | | | CNT | 0.1 | -0.1 | 39.0 | 5.8 | 343.4 | -0.3 | | |
| | | | J | 0.1 | -0.1 | 40.5 | 5.8 | 333.4 | -0.3 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 314 | 1 | 1 c mobili | Max I | 1.8 | 1.9 | 190.2 | 164.4 | 926.7 | 9.0 | | |
| | | | CNT | 1.8 | 1.9 | 190.2 | 164.4 | 895.2 | 8.9 | | |
| | | | J | 1.8 | 1.9 | 190.2 | 164.4 | 877.1 | 8.8 | | |
| | | | Min I | -2.2 | -1.4 | -83.0 | -118.2 | -33.6 | -10.5 | | |
| | | | CNT | -2.2 | -1.4 | -83.0 | -118.2 | -34.4 | -10.4 | | |
| | | | J | -2.2 | -1.4 | -83.0 | -118.2 | -35.1 | -10.4 | | |
| | | | PP I | 0.1 | -0.0 | 142.9 | 3.0 | 1175.5 | -0.1 | | |
| | | | CNT | 0.1 | -0.0 | 149.3 | 3.0 | 1138.9 | -0.1 | | |
| | | | J | 0.1 | -0.0 | 155.7 | 3.0 | 1100.8 | -0.1 | | |
| | | | perm I | 0.1 | -0.1 | 41.1 | 6.3 | 333.4 | -0.3 | | |
| | | | CNT | 0.1 | -0.1 | 42.6 | 6.3 | 322.9 | -0.3 | | |
| | | | J | 0.1 | -0.1 | 44.1 | 6.3 | 312.1 | -0.3 | | |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | | |
| 315 | 1 | 1 c mobili | Max I | 1.8 | 1.9 | 196.0 | 172.5 | 877.5 | 8.8 | | |
| | | | CNT | 1.8 | 1.9 | 196.0 | 172.5 | 843.0 | 8.6 | | |
| | | | J | 1.8 | 1.9 | 196.0 | 172.5 | 822.8 | 8.5 | | |
| | | | Min I | -2.2 | -1.4 | -77.5 | -124.2 | -35.1 | -10.1 | | |
| | | | CNT | -2.2 | -1.4 | -77.5 | -124.2 | -36.0 | -10.0 | | |
| | | | J | -2.2 | -1.4 | -77.5 | -124.2 | -36.8 | -9.9 | | |
| | | | PP I | 0.1 | -0.0 | 155.8 | 3.2 | 1100.8 | -0.1 | | |
| | | | CNT | 0.1 | -0.0 | 162.2 | 3.2 | 1061.0 | -0.1 | | |
| | | | J | 0.1 | -0.0 | 168.6 | 3.2 | 1019.7 | -0.1 | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|--------------|------|------|-------|--------|--------|------|
| | | | perm | I | 0.1 | -0.1 | 44.6 | 6.7 | 312.0 | -0.3 |
| | | | | CNT | 0.1 | -0.1 | 46.1 | 6.7 | 300.7 | -0.2 |
| | | | | J | 0.1 | -0.1 | 47.6 | 6.7 | 289.0 | -0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 316 | 1 | 1 c mobili | Max | I | 1.9 | 1.9 | 202.3 | 180.2 | 823.1 | 8.5 |
| | | | | CNT | 1.9 | 1.9 | 202.3 | 180.2 | 785.5 | 8.3 |
| | | | | J | 1.9 | 1.9 | 202.3 | 180.2 | 763.2 | 8.2 |
| | | | Min | I | -2.2 | -1.4 | -71.7 | -130.0 | -36.8 | -9.6 |
| | | | | CNT | -2.2 | -1.4 | -71.7 | -130.0 | -37.7 | -9.5 |
| | | | | J | -2.2 | -1.4 | -71.7 | -130.0 | -38.6 | -9.4 |
| | | | pp | I | 0.1 | -0.0 | 168.7 | 3.3 | 1019.6 | -0.1 |
| | | | | CNT | 0.1 | -0.0 | 175.1 | 3.3 | 976.7 | -0.1 |
| | | | | J | 0.1 | -0.0 | 181.4 | 3.3 | 932.1 | -0.1 |
| | | | perm | I | 0.1 | -0.1 | 48.1 | 7.1 | 288.9 | -0.2 |
| | | | | CNT | 0.1 | -0.1 | 49.6 | 7.1 | 276.7 | -0.2 |
| | | | | J | 0.1 | -0.1 | 51.1 | 7.1 | 264.1 | -0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 317 | 1 | 1 c mobili | Max | I | 2.0 | 1.9 | 209.2 | 187.6 | 763.6 | 8.2 |
| | | | | CNT | 2.0 | 1.9 | 209.2 | 187.6 | 722.4 | 7.9 |
| | | | | J | 2.0 | 1.9 | 209.2 | 187.6 | 697.9 | 7.7 |
| | | | Min | I | -2.2 | -1.3 | -65.6 | -135.7 | -38.7 | -9.0 |
| | | | | CNT | -2.2 | -1.3 | -65.6 | -135.7 | -39.6 | -8.9 |
| | | | | J | -2.2 | -1.3 | -65.6 | -135.7 | -40.6 | -8.7 |
| | | | pp | I | 0.1 | -0.0 | 181.5 | 3.5 | 932.1 | -0.1 |
| | | | | CNT | 0.1 | -0.0 | 187.9 | 3.5 | 885.9 | -0.1 |
| | | | | J | 0.1 | -0.0 | 194.3 | 3.5 | 838.1 | -0.1 |
| | | | perm | I | 0.1 | -0.1 | 51.5 | 7.5 | 264.0 | -0.2 |
| | | | | CNT | 0.1 | -0.1 | 53.0 | 7.5 | 250.9 | -0.2 |
| | | | | J | 0.1 | -0.1 | 54.5 | 7.5 | 237.5 | -0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 318 | 1 | 1 c mobili | Max | I | 2.1 | 1.9 | 216.7 | 194.4 | 698.2 | 7.7 |
| | | | | CNT | 2.1 | 1.9 | 216.7 | 194.4 | 653.2 | 7.4 |
| | | | | J | 2.1 | 1.9 | 216.7 | 194.4 | 626.1 | 7.2 |
| | | | Min | I | -2.1 | -1.2 | -59.4 | -141.0 | -40.6 | -8.3 |
| | | | | CNT | -2.1 | -1.2 | -59.4 | -141.0 | -41.7 | -8.1 |
| | | | | J | -2.1 | -1.2 | -59.4 | -141.0 | -42.7 | -8.0 |
| | | | pp | I | 0.1 | -0.0 | 194.4 | 3.6 | 838.1 | -0.1 |
| | | | | CNT | 0.1 | -0.0 | 200.7 | 3.6 | 788.7 | -0.1 |
| | | | | J | 0.1 | -0.0 | 207.1 | 3.6 | 737.7 | -0.1 |
| | | | perm | I | 0.1 | -0.1 | 54.8 | 7.8 | 237.4 | -0.2 |
| | | | | CNT | 0.1 | -0.1 | 56.3 | 7.8 | 223.5 | -0.2 |
| | | | | J | 0.1 | -0.1 | 57.8 | 7.8 | 209.2 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 319 | 1 | 1 c mobili | Max | I | 2.2 | 2.0 | 225.4 | 200.1 | 626.5 | 7.1 |
| | | | | CNT | 2.2 | 2.0 | 225.4 | 200.1 | 577.0 | 6.8 |
| | | | | J | 2.2 | 2.0 | 225.4 | 200.1 | 547.4 | 6.5 |
| | | | Min | I | -2.0 | -1.2 | -51.7 | -145.7 | -42.8 | -7.5 |
| | | | | CNT | -2.0 | -1.2 | -51.7 | -145.7 | -43.9 | -7.3 |
| | | | | J | -2.0 | -1.2 | -51.7 | -145.7 | -45.1 | -7.2 |
| | | | pp | I | 0.1 | -0.0 | 207.2 | 3.6 | 737.6 | -0.1 |
| | | | | CNT | 0.1 | -0.0 | 213.6 | 3.6 | 685.0 | -0.1 |
| | | | | J | 0.1 | -0.0 | 219.9 | 3.6 | 630.9 | -0.1 |
| | | | perm | I | 0.1 | -0.1 | 58.1 | 8.0 | 209.1 | -0.1 |
| | | | | CNT | 0.1 | -0.1 | 59.6 | 8.0 | 194.4 | -0.1 |
| | | | | J | 0.1 | -0.1 | 61.1 | 8.0 | 179.3 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 320 | 1 | 1 c mobili | Max | I | 2.2 | 2.0 | 235.5 | 204.8 | 547.8 | 6.3 |
| | | | | CNT | 2.2 | 2.0 | 235.5 | 204.8 | 492.8 | 6.0 |
| | | | | J | 2.2 | 2.0 | 235.5 | 204.8 | 460.0 | 5.7 |
| | | | Min | I | -1.8 | -1.2 | -41.7 | -149.6 | -45.1 | -6.6 |
| | | | | CNT | -1.8 | -1.2 | -41.7 | -149.6 | -46.4 | -6.4 |
| | | | | J | -1.8 | -1.2 | -41.7 | -149.6 | -47.7 | -6.2 |

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|-----|---|--------------|------------|--------------|------|------|-------|--------|-------|------|
| | | | pp | I | 0.1 | 0.0 | 220.0 | 3.7 | 630.8 | -0.1 |
| | | | | CNT | 0.1 | 0.0 | 226.4 | 3.7 | 575.0 | -0.1 |
| | | | | J | 0.1 | 0.0 | 232.7 | 3.7 | 517.6 | -0.1 |
| | | | perm | I | 0.1 | -0.1 | 61.3 | 8.2 | 179.2 | -0.1 |
| | | | | CNT | 0.1 | -0.1 | 62.8 | 8.2 | 163.7 | -0.1 |
| | | | | J | 0.1 | -0.1 | 64.3 | 8.2 | 147.8 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 321 | 1 | 1 c mobili | Max | I | 2.1 | 2.0 | 247.9 | 208.0 | 460.4 | 5.4 |
| | | | | CNT | 2.1 | 2.0 | 247.9 | 208.0 | 399.1 | 5.0 |
| | | | | J | 2.1 | 2.0 | 247.9 | 208.0 | 362.7 | 4.7 |
| | | | Min | I | -1.6 | -1.2 | -28.4 | -152.5 | -47.8 | -5.6 |
| | | | | CNT | -1.6 | -1.2 | -28.4 | -152.5 | -49.3 | -5.4 |
| | | | | J | -1.6 | -1.2 | -28.4 | -152.5 | -50.8 | -5.2 |
| | | | pp | I | 0.1 | 0.0 | 232.8 | 3.8 | 517.6 | -0.1 |
| | | | | CNT | 0.1 | 0.0 | 239.2 | 3.8 | 458.6 | -0.1 |
| | | | | J | 0.1 | 0.0 | 245.5 | 3.8 | 398.0 | -0.1 |
| | | | perm | I | 0.1 | -0.0 | 64.5 | 8.3 | 147.7 | -0.1 |
| | | | | CNT | 0.1 | -0.0 | 66.0 | 8.3 | 131.4 | -0.1 |
| | | | | J | 0.1 | -0.0 | 67.5 | 8.3 | 114.7 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 322 | 1 | 1 c mobili | Max | I | 2.0 | 2.0 | 263.6 | 209.5 | 363.1 | 4.3 |
| | | | | CNT | 2.0 | 2.0 | 263.6 | 209.5 | 297.4 | 3.9 |
| | | | | J | 2.0 | 2.0 | 263.6 | 209.5 | 252.5 | 3.6 |
| | | | Min | I | -1.2 | -1.2 | -16.3 | -153.9 | -50.9 | -4.5 |
| | | | | CNT | -1.2 | -1.2 | -16.3 | -153.9 | -52.7 | -4.2 |
| | | | | J | -1.2 | -1.2 | -16.3 | -153.9 | -54.5 | -4.0 |
| | | | pp | I | 0.1 | 0.0 | 245.6 | 3.8 | 397.9 | -0.1 |
| | | | | CNT | 0.1 | 0.0 | 252.0 | 3.8 | 335.7 | -0.1 |
| | | | | J | 0.1 | 0.0 | 258.3 | 3.8 | 272.0 | -0.1 |
| | | | perm | I | 0.1 | -0.0 | 67.5 | 8.3 | 114.6 | -0.0 |
| | | | | CNT | 0.1 | -0.0 | 69.0 | 8.3 | 97.6 | -0.0 |
| | | | | J | 0.1 | -0.0 | 70.5 | 8.3 | 80.1 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 323 | 1 | 1 c mobili | Max | I | 1.6 | 1.8 | 284.1 | 208.5 | 252.8 | 3.1 |
| | | | | CNT | 1.6 | 1.8 | 284.1 | 208.5 | 182.0 | 2.8 |
| | | | | J | 1.6 | 1.8 | 284.1 | 208.5 | 126.5 | 2.4 |
| | | | Min | I | -0.7 | -1.1 | -6.0 | -153.2 | -54.5 | -3.3 |
| | | | | CNT | -0.7 | -1.1 | -6.0 | -153.2 | -56.7 | -3.0 |
| | | | | J | -0.7 | -1.1 | -6.0 | -153.2 | -59.2 | -2.8 |
| | | | pp | I | 0.1 | 0.0 | 258.4 | 3.9 | 271.9 | -0.1 |
| | | | | CNT | 0.1 | 0.0 | 264.8 | 3.9 | 206.5 | -0.1 |
| | | | | J | 0.1 | 0.0 | 271.2 | 3.9 | 139.5 | -0.1 |
| | | | perm | I | 0.0 | -0.0 | 70.3 | 8.2 | 80.0 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | 71.8 | 8.2 | 62.3 | -0.0 |
| | | | | J | 0.0 | -0.0 | 73.3 | 8.2 | 44.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 324 | 1 | 1 c mobili | Max | I | 1.3 | 1.6 | 311.1 | 203.6 | 126.8 | 2.0 |
| | | | | CNT | 1.3 | 1.6 | 311.1 | 203.6 | 61.7 | 1.6 |
| | | | | J | 1.3 | 1.6 | 311.1 | 203.6 | 25.5 | 1.4 |
| | | | Min | I | -0.6 | -0.9 | -4.2 | -149.4 | -59.2 | -2.1 |
| | | | | CNT | -0.6 | -0.9 | -4.2 | -149.4 | -66.8 | -2.0 |
| | | | | J | -0.6 | -0.9 | -4.2 | -149.4 | -90.3 | -1.8 |
| | | | pp | I | 0.0 | -0.0 | 271.3 | 4.0 | 139.5 | -0.1 |
| | | | | CNT | 0.0 | -0.0 | 277.6 | 4.0 | 70.8 | -0.1 |
| | | | | J | 0.0 | -0.0 | 284.0 | 4.0 | 0.6 | -0.1 |
| | | | perm | I | 0.0 | -0.0 | 73.0 | 7.8 | 44.0 | 0.0 |
| | | | | CNT | 0.0 | -0.0 | 74.5 | 7.8 | 25.6 | 0.0 |
| | | | | J | 0.0 | -0.0 | 76.0 | 7.8 | 6.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 325 | 1 | 1 c mobili | Max | I | 1.1 | 1.4 | 40.7 | 192.6 | 25.1 | 1.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|--------------|------------|-----------------------|------|--------|--------|-------|------|
| | | | | CNT | 1.1 | 1.4 | 40.7 | 192.6 | 15.0 | 0.9 |
| | | | | J | 1.1 | 1.4 | 40.7 | 192.6 | 5.5 | 0.7 |
| | | | Min | I | -0.5 | -0.7 | -173.3 | -141.2 | -90.1 | -1.3 |
| | | | | CNT | -0.5 | -0.7 | -173.3 | -141.2 | -46.8 | -1.2 |
| | | | | J | -0.5 | -0.7 | -173.3 | -141.2 | -13.1 | -1.2 |
| | | | | | | | | | | |
| | | | PP | I | 0.0 | -0.0 | -7.0 | 4.0 | 0.6 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | -0.7 | 4.0 | 1.5 | -0.0 |
| | | | | J | 0.0 | -0.0 | 5.7 | 4.0 | 0.9 | -0.0 |
| | | | | | | | | | | |
| | | | perm | I | 0.0 | -0.0 | 8.3 | 7.2 | 6.7 | 0.0 |
| | | | | CNT | 0.0 | -0.0 | 9.8 | 7.2 | 4.4 | 0.0 |
| | | | | J | 0.0 | -0.0 | 11.3 | 7.2 | 1.7 | 0.0 |
| | | | | | | | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | |
| | | | Length = 0.5 | Type: Beam | Section: cap | | | | | |
| 326 | 2 | 4 c mobili | Max | I | 0.9 | 1.0 | 112.8 | 22.7 | 40.1 | 0.6 |
| | | | | CNT | 0.9 | 1.0 | 112.8 | 22.7 | 37.3 | 0.6 |
| | | | | J | 0.9 | 1.0 | 154.7 | 22.7 | 45.4 | 0.7 |
| | | | Min | I | -2.6 | -0.6 | -124.7 | -17.1 | -56.4 | -1.2 |
| | | | | CNT | -2.6 | -0.6 | -124.7 | -17.1 | -43.1 | -1.2 |
| | | | | J | -2.6 | -0.6 | -105.1 | -17.1 | -57.3 | -1.4 |
| | | | | | | | | | | |
| | | | PP | I | 0.1 | 0.0 | 5.7 | 0.9 | 5.8 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 5.7 | 0.9 | 4.1 | 0.1 |
| | | | | J | 0.1 | 0.0 | 5.7 | 0.9 | 2.4 | 0.1 |
| | | | | | | | | | | |
| | | | perm | I | 0.1 | 0.0 | 11.3 | 1.7 | 8.7 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 11.3 | 1.7 | 5.3 | 0.1 |
| | | | | J | 0.1 | 0.0 | 11.3 | 1.7 | 1.9 | 0.1 |
| | | | | | | | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | |
| | | | Length = 2 | Type: Beam | Section: traverso cap | | | | | |
| 327 | 2 | 3 c mobili | Max | I | 0.6 | 0.4 | 7.5 | 1.3 | 2.3 | 0.2 |
| | | | | CNT | 0.6 | 0.4 | 7.5 | 1.3 | 6.3 | 0.2 |
| | | | | J | 0.6 | 0.4 | 68.1 | 1.3 | 3.8 | 0.2 |
| | | | Min | I | -0.7 | -0.2 | -58.9 | -1.0 | -11.4 | -0.4 |
| | | | | CNT | -0.7 | -0.2 | -58.9 | -1.0 | -0.2 | -0.4 |
| | | | | J | -0.7 | -0.2 | -12.0 | -1.0 | -8.5 | -0.5 |
| | | | | | | | | | | |
| | | | PP | I | 0.1 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 |
| | | | | CNT | 0.1 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 |
| | | | | J | 0.1 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 |
| | | | | | | | | | | |
| | | | perm | I | 0.1 | 0.0 | 0.7 | 0.1 | 0.2 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 0.7 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.1 | 0.0 | 0.7 | 0.1 | -0.2 | 0.0 |
| | | | | | | | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | |
| | | | Length = 2 | Type: Beam | Section: soletta | | | | | |
| 328 | 2 | 3 c mobili | Max | I | 0.7 | 0.6 | 3.3 | 1.4 | 1.0 | 0.3 |
| | | | | CNT | 0.7 | 0.6 | 3.3 | 1.4 | 6.8 | 0.2 |
| | | | | J | 0.7 | 0.6 | 66.5 | 1.4 | 3.6 | 0.3 |
| | | | Min | I | -0.7 | -0.3 | -56.6 | -1.0 | -10.3 | -0.4 |
| | | | | CNT | -0.7 | -0.3 | -56.6 | -1.0 | -0.4 | -0.4 |
| | | | | J | -0.7 | -0.3 | -10.5 | -1.0 | -7.9 | -0.5 |
| | | | | | | | | | | |
| | | | PP | I | 0.1 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | | CNT | 0.1 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.1 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 |
| | | | | | | | | | | |
| | | | perm | I | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 0.3 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.1 | 0.0 | 0.3 | 0.1 | -0.2 | 0.0 |
| | | | | | | | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | |
| | | | Length = 2 | Type: Beam | Section: soletta | | | | | |
| 329 | 2 | 3 c mobili | Max | I | 0.8 | 0.7 | 1.4 | 1.3 | 1.3 | 0.3 |
| | | | | CNT | 0.8 | 0.7 | 1.4 | 1.3 | 7.4 | 0.2 |
| | | | | J | 0.8 | 0.7 | 66.6 | 1.3 | 4.2 | 0.3 |
| | | | Min | I | -0.6 | -0.4 | -56.7 | -1.0 | -10.5 | -0.4 |
| | | | | CNT | -0.6 | -0.4 | -56.7 | -1.0 | -0.7 | -0.4 |
| | | | | J | -0.6 | -0.4 | -11.3 | -1.0 | -8.0 | -0.5 |
| | | | | | | | | | | |
| | | | PP | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 |
| | | | | | | | | | | |
| | | | perm | I | 0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.1 |
| | | | | CNT | 0.1 | 0.0 | 0.1 | 0.1 | -0.2 | 0.1 |
| | | | | J | 0.1 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | | | | | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|-------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 330 | 2 | 3 c mobili | Max I | 0.9 | 0.7 | 1.8 | 1.3 | 2.2 | 0.3 |
| | | | CNT | 0.9 | 0.7 | 1.8 | 1.3 | 8.0 | 0.2 |
| | | | J | 0.9 | 0.7 | 67.7 | 1.3 | 4.7 | 0.3 |
| | | Min | I | -0.6 | -0.4 | -56.6 | -1.0 | -10.2 | -0.4 |
| | | | CNT | -0.6 | -0.4 | -56.6 | -1.0 | -1.0 | -0.4 |
| | | | J | -0.6 | -0.4 | -12.6 | -1.0 | -8.3 | -0.5 |
| | | pp | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.0 | 0.1 | -0.2 | 0.1 |
| | | | CNT | 0.0 | 0.0 | -0.0 | 0.1 | -0.2 | 0.1 |
| | | | J | 0.0 | 0.0 | -0.0 | 0.1 | -0.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 331 | 2 | 3 c mobili | Max I | 1.0 | 0.7 | 2.9 | 1.3 | 3.0 | 0.2 |
| | | | CNT | 1.0 | 0.7 | 2.9 | 1.3 | 8.7 | 0.2 |
| | | | J | 1.0 | 0.7 | 69.1 | 1.3 | 5.4 | 0.3 |
| | | Min | I | -0.5 | -0.4 | -56.3 | -1.0 | -10.0 | -0.4 |
| | | | CNT | -0.5 | -0.4 | -56.3 | -1.0 | -1.3 | -0.4 |
| | | | J | -0.5 | -0.4 | -13.5 | -1.0 | -8.6 | -0.5 |
| | | pp | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.3 | 0.1 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.3 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.1 | -0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 332 | 2 | 3 c mobili | Max I | 1.1 | 0.6 | 3.8 | 1.3 | 3.7 | 0.2 |
| | | | CNT | 1.1 | 0.6 | 3.8 | 1.3 | 9.3 | 0.2 |
| | | | J | 1.1 | 0.6 | 70.2 | 1.3 | 6.0 | 0.3 |
| | | Min | I | -0.5 | -0.3 | -56.2 | -1.0 | -9.8 | -0.4 |
| | | | CNT | -0.5 | -0.3 | -56.2 | -1.0 | -1.5 | -0.4 |
| | | | J | -0.5 | -0.3 | -14.3 | -1.0 | -8.7 | -0.5 |
| | | pp | I | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | | J | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | 0.1 | -0.4 | 0.1 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.1 | -0.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | 0.1 | -0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 333 | 2 | 3 c mobili | Max I | 1.2 | 0.6 | 4.6 | 1.2 | 4.3 | 0.2 |
| | | | CNT | 1.2 | 0.6 | 4.6 | 1.2 | 9.8 | 0.2 |
| | | | J | 1.2 | 0.6 | 71.1 | 1.2 | 6.5 | 0.3 |
| | | Min | I | -0.4 | -0.3 | -56.5 | -0.9 | -9.7 | -0.4 |
| | | | CNT | -0.4 | -0.3 | -56.5 | -0.9 | -1.8 | -0.4 |
| | | | J | -0.4 | -0.3 | -15.0 | -0.9 | -8.8 | -0.5 |
| | | pp | I | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | | J | -0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | perm | I | -0.0 | 0.0 | -0.3 | 0.1 | -0.5 | 0.1 |
| | | | CNT | -0.0 | 0.0 | -0.3 | 0.1 | -0.4 | 0.0 |
| | | | J | -0.0 | 0.0 | -0.3 | 0.1 | -0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 334 | 2 | 3 c mobili | Max I | 1.2 | 0.6 | 5.2 | 1.2 | 4.8 | 0.2 |
| | | | CNT | 1.2 | 0.6 | 5.2 | 1.2 | 10.4 | 0.2 |
| | | | J | 1.2 | 0.6 | 71.7 | 1.2 | 7.0 | 0.3 |
| | | Min | I | -0.4 | -0.4 | -56.8 | -0.9 | -9.6 | -0.4 |
| | | | CNT | -0.4 | -0.4 | -56.8 | -0.9 | -2.0 | -0.4 |
| | | | J | -0.4 | -0.4 | -15.6 | -0.9 | -8.8 | -0.5 |
| | | pp | I | -0.0 | 0.0 | -0.1 | 0.0 | -0.3 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -0.1 | 0.0 | -0.3 | 0.0 |
| | | | J | -0.0 | 0.0 | -0.1 | 0.0 | -0.2 | 0.0 |
| | | perm | I | -0.0 | 0.0 | -0.4 | 0.1 | -0.6 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|------|------|-----|
| | | | CNT | -0.0 | 0.0 | -0.4 | 0.1 | -0.5 | 0.0 | |
| | | | J | -0.0 | 0.0 | -0.4 | 0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 335 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 5.7 | 1.2 | 5.3 | 0.2 |
| | | | | CNT | 1.2 | 0.6 | 5.7 | 1.2 | 10.9 | 0.2 |
| | | | | J | 1.2 | 0.6 | 72.1 | 1.2 | 7.5 | 0.3 |
| | | Min | I | -0.4 | -0.4 | -57.0 | -0.9 | -9.5 | -0.4 | |
| | | | CNT | -0.4 | -0.4 | -57.0 | -0.9 | -2.2 | -0.4 | |
| | | | J | -0.4 | -0.4 | -16.3 | -0.9 | -8.8 | -0.5 | |
| | | pp | I | -0.0 | 0.0 | -0.1 | 0.0 | -0.3 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | -0.1 | 0.0 | -0.3 | 0.0 | |
| | | | J | -0.0 | 0.0 | -0.1 | 0.0 | -0.3 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | -0.4 | 0.1 | -0.7 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | -0.4 | 0.1 | -0.6 | 0.0 | |
| | | | J | -0.0 | 0.0 | -0.4 | 0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 336 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 6.1 | 1.1 | 5.7 | 0.2 |
| | | | CNT | 1.2 | 0.6 | 6.1 | 1.1 | 11.3 | 0.2 | |
| | | | J | 1.2 | 0.6 | 72.5 | 1.1 | 7.9 | 0.2 | |
| | | Min | I | -0.4 | -0.4 | -57.3 | -0.8 | -9.4 | -0.4 | |
| | | | CNT | -0.4 | -0.4 | -57.3 | -0.8 | -2.3 | -0.4 | |
| | | | J | -0.4 | -0.4 | -16.8 | -0.8 | -8.8 | -0.5 | |
| | | pp | I | -0.0 | -0.0 | -0.1 | 0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.1 | 0.0 | -0.3 | 0.0 | |
| | | | J | -0.0 | -0.0 | -0.1 | 0.0 | -0.3 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | -0.5 | 0.1 | -0.8 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | -0.5 | 0.1 | -0.6 | 0.0 | |
| | | | J | -0.0 | 0.0 | -0.5 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 337 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 6.4 | 1.1 | 6.1 | 0.2 |
| | | | CNT | 1.2 | 0.6 | 6.4 | 1.1 | 11.8 | 0.2 | |
| | | | J | 1.2 | 0.6 | 72.7 | 1.1 | 8.3 | 0.2 | |
| | | Min | I | -0.4 | -0.4 | -57.5 | -0.8 | -9.3 | -0.4 | |
| | | | CNT | -0.4 | -0.4 | -57.5 | -0.8 | -2.5 | -0.3 | |
| | | | J | -0.4 | -0.4 | -17.2 | -0.8 | -8.8 | -0.4 | |
| | | pp | I | -0.0 | -0.0 | -0.1 | 0.0 | -0.4 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.1 | 0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | -0.0 | -0.1 | 0.0 | -0.3 | 0.0 | |
| | | perm | I | -0.0 | 0.0 | -0.5 | 0.1 | -0.8 | 0.0 | |
| | | | CNT | -0.0 | 0.0 | -0.5 | 0.1 | -0.7 | 0.0 | |
| | | | J | -0.0 | 0.0 | -0.5 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 338 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 6.6 | 1.0 | 6.4 | 0.2 |
| | | | CNT | 1.2 | 0.6 | 6.6 | 1.0 | 12.1 | 0.2 | |
| | | | J | 1.2 | 0.6 | 72.9 | 1.0 | 8.8 | 0.2 | |
| | | Min | I | -0.4 | -0.4 | -57.7 | -0.8 | -9.2 | -0.4 | |
| | | | CNT | -0.4 | -0.4 | -57.7 | -0.8 | -2.6 | -0.3 | |
| | | | J | -0.4 | -0.4 | -17.6 | -0.8 | -8.8 | -0.4 | |
| | | pp | I | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 | |
| | | | J | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 | |
| | | perm | I | -0.0 | -0.0 | -0.6 | 0.1 | -0.9 | 0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.6 | 0.1 | -0.7 | 0.0 | |
| | | | J | -0.0 | -0.0 | -0.6 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 339 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 6.9 | 1.0 | 6.7 | 0.2 |
| | | | CNT | 1.2 | 0.6 | 6.9 | 1.0 | 12.5 | 0.2 | |
| | | | J | 1.2 | 0.6 | 73.1 | 1.0 | 9.2 | 0.2 | |
| | | Min | I | -0.4 | -0.4 | -57.8 | -0.7 | -9.1 | -0.4 | |
| | | | CNT | -0.4 | -0.4 | -57.8 | -0.7 | -2.7 | -0.3 | |
| | | | J | -0.4 | -0.4 | -17.9 | -0.7 | -8.7 | -0.4 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|------|------|-------|------|------|------|
| | | | PP | I | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -0.6 | 0.1 | -0.9 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.6 | 0.1 | -0.8 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.6 | 0.1 | -0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 340 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 7.0 | 0.9 | 7.0 | 0.2 |
| | | | | CNT | 1.2 | 0.6 | 7.0 | 0.9 | 12.8 | 0.2 |
| | | | | J | 1.2 | 0.6 | 73.2 | 0.9 | 9.6 | 0.2 |
| | | | Min | I | -0.4 | -0.5 | -58.0 | -0.7 | -9.0 | -0.4 |
| | | | | CNT | -0.4 | -0.5 | -58.0 | -0.7 | -2.8 | -0.3 |
| | | | | J | -0.4 | -0.5 | -18.2 | -0.7 | -8.7 | -0.4 |
| | | | PP | I | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -0.6 | 0.1 | -1.0 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.6 | 0.1 | -0.8 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.6 | 0.1 | -0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 341 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 7.2 | 0.9 | 7.2 | 0.2 |
| | | | | CNT | 1.2 | 0.6 | 7.2 | 0.9 | 13.0 | 0.2 |
| | | | | J | 1.2 | 0.6 | 73.3 | 0.9 | 9.9 | 0.2 |
| | | | Min | I | -0.4 | -0.5 | -58.1 | -0.6 | -9.2 | -0.4 |
| | | | | CNT | -0.4 | -0.5 | -58.1 | -0.6 | -2.9 | -0.3 |
| | | | | J | -0.4 | -0.5 | -18.4 | -0.6 | -8.7 | -0.4 |
| | | | PP | I | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -0.7 | 0.1 | -1.0 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.7 | 0.1 | -0.8 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.7 | 0.1 | -0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 342 | 2 | 3 c mobili | Max | I | 1.2 | 0.6 | 7.3 | 0.8 | 7.4 | 0.2 |
| | | | | CNT | 1.2 | 0.6 | 7.3 | 0.8 | 13.2 | 0.2 |
| | | | | J | 1.2 | 0.6 | 73.4 | 0.8 | 10.1 | 0.2 |
| | | | Min | I | -0.4 | -0.5 | -58.2 | -0.6 | -9.2 | -0.4 |
| | | | | CNT | -0.4 | -0.5 | -58.2 | -0.6 | -3.0 | -0.3 |
| | | | | J | -0.4 | -0.5 | -18.6 | -0.6 | -8.7 | -0.4 |
| | | | PP | I | -0.0 | -0.0 | -0.2 | 0.0 | -0.6 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -0.7 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.7 | 0.0 | -0.9 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.7 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 343 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.4 | 0.8 | 7.5 | 0.2 |
| | | | | CNT | 1.2 | 0.5 | 7.4 | 0.8 | 13.4 | 0.2 |
| | | | | J | 1.2 | 0.5 | 73.4 | 0.8 | 10.4 | 0.2 |
| | | | Min | I | -0.4 | -0.5 | -58.3 | -0.6 | -9.2 | -0.3 |
| | | | | CNT | -0.4 | -0.5 | -58.3 | -0.6 | -3.0 | -0.3 |
| | | | | J | -0.4 | -0.5 | -18.8 | -0.6 | -8.6 | -0.4 |
| | | | PP | I | -0.0 | -0.0 | -0.2 | 0.0 | -0.6 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.2 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.2 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -0.7 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.7 | 0.0 | -0.9 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.7 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 344 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.5 | 0.7 | 7.7 | 0.2 |
| | | | | CNT | 1.2 | 0.5 | 7.5 | 0.7 | 13.6 | 0.2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|------|------|
| | | | J | 1.2 | 0.5 | 73.5 | 0.7 | 10.6 | 0.2 |
| | | Min | I | -0.4 | -0.5 | -58.4 | -0.5 | -9.2 | -0.3 |
| | | | CNT | -0.4 | -0.5 | -58.4 | -0.5 | -3.1 | -0.3 |
| | | | J | -0.4 | -0.5 | -18.9 | -0.5 | -8.6 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -0.7 | 0.0 | -1.1 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.7 | 0.0 | -0.9 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.7 | 0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 345 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.6 | 0.7 | 7.8 |
| | | | | CNT | 1.2 | 0.5 | 7.6 | 0.7 | 13.7 |
| | | | | J | 1.2 | 0.5 | 73.5 | 0.7 | 10.7 |
| | | Min | I | -0.4 | -0.5 | -58.4 | -0.5 | -9.2 | -0.3 |
| | | | CNT | -0.4 | -0.5 | -58.4 | -0.5 | -3.1 | -0.3 |
| | | | J | -0.4 | -0.5 | -19.0 | -0.5 | -8.6 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -0.7 | 0.0 | -1.2 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.7 | 0.0 | -0.9 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.7 | 0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 346 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.6 | 0.6 | 7.8 |
| | | | | CNT | 1.2 | 0.5 | 7.6 | 0.6 | 13.8 |
| | | | | J | 1.2 | 0.5 | 73.5 | 0.6 | 10.8 |
| | | Min | I | -0.4 | -0.5 | -58.5 | -0.5 | -9.1 | -0.3 |
| | | | CNT | -0.4 | -0.5 | -58.5 | -0.5 | -3.1 | -0.3 |
| | | | J | -0.4 | -0.5 | -19.0 | -0.5 | -8.6 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.8 | 0.0 | -0.9 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 347 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.7 | 0.6 | 7.8 |
| | | | | CNT | 1.2 | 0.5 | 7.7 | 0.6 | 13.8 |
| | | | | J | 1.2 | 0.5 | 73.6 | 0.6 | 10.9 |
| | | Min | I | -0.4 | -0.5 | -58.5 | -0.5 | -9.1 | -0.3 |
| | | | CNT | -0.4 | -0.5 | -58.5 | -0.5 | -3.1 | -0.3 |
| | | | J | -0.4 | -0.5 | -19.1 | -0.5 | -8.6 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.8 | 0.0 | -1.0 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 348 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.7 | 0.5 | 7.9 |
| | | | | CNT | 1.2 | 0.5 | 7.7 | 0.5 | 13.9 |
| | | | | J | 1.2 | 0.5 | 73.6 | 0.5 | 11.0 |
| | | Min | I | -0.4 | -0.5 | -58.5 | -0.5 | -9.1 | -0.3 |
| | | | CNT | -0.4 | -0.5 | -58.5 | -0.5 | -3.1 | -0.2 |
| | | | J | -0.4 | -0.5 | -19.1 | -0.5 | -8.6 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.8 | 0.0 | -1.0 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 349 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.7 | 0.5 | 7.8 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.7 | 0.5 | 13.9 | 0.2 |
| | | | | J | 1.2 | 0.5 | 73.6 | 0.5 | 11.0 | 0.3 |
| | | | Min | I | -0.4 | -0.5 | -58.5 | -0.5 | -9.1 | -0.3 |
| | | | | CNT | -0.4 | -0.5 | -58.5 | -0.5 | -3.1 | -0.2 |
| | | | | J | -0.4 | -0.5 | -19.1 | -0.5 | -8.5 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | 0.0 | -0.6 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | 0.0 | -0.5 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.8 | 0.0 | -1.0 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 350 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.7 | 0.5 | 7.9 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.7 | 0.5 | 13.9 | 0.2 |
| | | | | J | 1.2 | 0.5 | 73.6 | 0.5 | 11.0 | 0.3 |
| | | | Min | I | -0.4 | -0.5 | -58.5 | -0.5 | -9.1 | -0.3 |
| | | | | CNT | -0.4 | -0.5 | -58.5 | -0.5 | -3.1 | -0.2 |
| | | | | J | -0.4 | -0.5 | -19.1 | -0.5 | -8.6 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -0.8 | -0.0 | -1.2 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.8 | -0.0 | -1.0 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.8 | -0.0 | -0.7 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 351 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.7 | 0.5 | 7.8 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.7 | 0.5 | 13.8 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.6 | 0.5 | 10.9 | 0.3 |
| | | | Min | I | -0.4 | -0.5 | -58.5 | -0.6 | -9.1 | -0.3 |
| | | | | CNT | -0.4 | -0.5 | -58.5 | -0.6 | -3.1 | -0.2 |
| | | | | J | -0.4 | -0.5 | -19.1 | -0.6 | -8.6 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -0.8 | -0.0 | -1.2 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.8 | -0.0 | -1.0 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.8 | -0.0 | -0.7 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 352 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.6 | 0.5 | 7.8 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.6 | 0.5 | 13.8 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.5 | 0.5 | 10.8 | 0.3 |
| | | | Min | I | -0.4 | -0.5 | -58.5 | -0.6 | -9.1 | -0.3 |
| | | | | CNT | -0.4 | -0.5 | -58.5 | -0.6 | -3.1 | -0.2 |
| | | | | J | -0.4 | -0.5 | -19.0 | -0.6 | -8.6 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -0.8 | -0.0 | -1.2 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.8 | -0.0 | -0.9 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.8 | -0.0 | -0.7 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|-------|------|------|------|
| 353 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.6 | 0.5 | 7.8 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.6 | 0.5 | 13.7 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.5 | 0.5 | 10.7 | 0.3 |
| | | | Min | I | -0.4 | -0.5 | -58.4 | -0.7 | -9.2 | -0.3 |
| | | | | CNT | -0.4 | -0.5 | -58.4 | -0.7 | -3.1 | -0.2 |
| | | | | J | -0.4 | -0.5 | -19.0 | -0.7 | -8.6 | -0.2 |
| | | | pp | I | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -0.7 | -0.0 | -1.2 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.7 | -0.0 | -0.9 | -0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|-------|------|------|------|------|
| | | | J | -0.0 | 0.0 | -0.7 | -0.0 | -0.7 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 354 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.5 | 0.5 | 7.7 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.5 | 0.5 | 13.6 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.5 | 0.5 | 10.6 | 0.3 |
| | | Min | I | -0.4 | -0.5 | -58.4 | -0.7 | -9.2 | -0.2 | -0.2 |
| | | | CNT | -0.4 | -0.5 | -58.4 | -0.7 | -3.1 | -0.2 | -0.2 |
| | | | J | -0.4 | -0.5 | -18.9 | -0.7 | -8.6 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.3 | -0.0 | -0.6 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.3 | -0.0 | -0.5 | -0.0 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.7 | -0.0 | -1.1 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.7 | -0.0 | -0.9 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.7 | -0.0 | -0.7 | -0.0 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 355 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.4 | 0.6 | 7.5 | 0.3 |
| | | | | CNT | 1.2 | 0.5 | 7.4 | 0.6 | 13.4 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.4 | 0.6 | 10.4 | 0.4 |
| | | Min | I | -0.4 | -0.5 | -58.3 | -0.8 | -9.2 | -0.2 | -0.2 |
| | | | CNT | -0.4 | -0.5 | -58.3 | -0.8 | -3.0 | -0.2 | -0.2 |
| | | | J | -0.4 | -0.5 | -18.8 | -0.8 | -8.6 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.2 | -0.0 | -0.6 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.7 | -0.0 | -1.1 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.7 | -0.0 | -0.9 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.7 | -0.0 | -0.7 | -0.0 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 356 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.3 | 0.6 | 7.4 | 0.4 |
| | | | | CNT | 1.2 | 0.5 | 7.3 | 0.6 | 13.2 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.4 | 0.6 | 10.1 | 0.4 |
| | | Min | I | -0.4 | -0.6 | -58.2 | -0.8 | -9.2 | -0.2 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -58.2 | -0.8 | -3.0 | -0.2 | -0.2 |
| | | | J | -0.4 | -0.6 | -18.6 | -0.8 | -8.7 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.2 | -0.0 | -0.6 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.7 | -0.0 | -1.1 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.7 | -0.0 | -0.9 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.7 | -0.0 | -0.7 | -0.0 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 357 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.2 | 0.6 | 7.2 | 0.4 |
| | | | | CNT | 1.2 | 0.5 | 7.2 | 0.6 | 13.0 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.3 | 0.6 | 9.9 | 0.4 |
| | | Min | I | -0.4 | -0.6 | -58.1 | -0.9 | -9.2 | -0.2 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -58.1 | -0.9 | -2.9 | -0.2 | -0.2 |
| | | | J | -0.4 | -0.6 | -18.4 | -0.9 | -8.7 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.7 | -0.1 | -1.0 | -0.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.7 | -0.1 | -0.8 | -0.0 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.7 | -0.1 | -0.6 | -0.0 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 358 | 2 | 3 c mobili | Max | I | 1.2 | 0.5 | 7.0 | 0.7 | 7.0 | 0.4 |
| | | | | CNT | 1.2 | 0.5 | 7.0 | 0.7 | 12.8 | 0.3 |
| | | | | J | 1.2 | 0.5 | 73.2 | 0.7 | 9.6 | 0.4 |
| | | Min | I | -0.4 | -0.6 | -58.0 | -0.9 | -9.0 | -0.2 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -58.0 | -0.9 | -2.8 | -0.2 | -0.2 |
| | | | J | -0.4 | -0.6 | -18.2 | -0.9 | -8.7 | -0.2 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 | -0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|----------------|------------------|------|------|-------|------|------|------|
| | | | CNT | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.6 | -0.1 | -1.0 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.1 | -0.8 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.1 | -0.6 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 359 | 2 | 3 c mobili Max | I | 1.2 | 0.4 | 6.9 | 0.7 | 6.7 | 0.4 |
| | | | CNT | 1.2 | 0.4 | 6.9 | 0.7 | 12.5 | 0.3 |
| | | | J | 1.2 | 0.4 | 73.1 | 0.7 | 9.2 | 0.4 |
| | | Min | I | -0.4 | -0.6 | -57.8 | -1.0 | -9.1 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -57.8 | -1.0 | -2.7 | -0.2 |
| | | | J | -0.4 | -0.6 | -17.9 | -1.0 | -8.7 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.6 | -0.1 | -0.9 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.1 | -0.8 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.1 | -0.6 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 360 | 2 | 3 c mobili Max | I | 1.2 | 0.4 | 6.6 | 0.8 | 6.4 | 0.4 |
| | | | CNT | 1.2 | 0.4 | 6.6 | 0.8 | 12.1 | 0.3 |
| | | | J | 1.2 | 0.4 | 72.9 | 0.8 | 8.8 | 0.4 |
| | | Min | I | -0.4 | -0.6 | -57.7 | -1.0 | -9.2 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -57.7 | -1.0 | -2.6 | -0.2 |
| | | | J | -0.4 | -0.6 | -17.6 | -1.0 | -8.8 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.2 | -0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.2 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -0.6 | -0.1 | -0.9 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.1 | -0.7 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.1 | -0.5 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 361 | 2 | 3 c mobili Max | I | 1.2 | 0.4 | 6.4 | 0.8 | 6.1 | 0.4 |
| | | | CNT | 1.2 | 0.4 | 6.4 | 0.8 | 11.8 | 0.3 |
| | | | J | 1.2 | 0.4 | 72.7 | 0.8 | 8.3 | 0.4 |
| | | Min | I | -0.4 | -0.6 | -57.5 | -1.1 | -9.3 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -57.5 | -1.1 | -2.5 | -0.2 |
| | | | J | -0.4 | -0.6 | -17.2 | -1.1 | -8.8 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.1 | -0.0 | -0.4 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.1 | -0.0 | -0.4 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | perm | I | -0.0 | -0.0 | -0.5 | -0.1 | -0.8 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -0.5 | -0.1 | -0.7 | -0.0 |
| | | | J | -0.0 | -0.0 | -0.5 | -0.1 | -0.5 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 362 | 2 | 3 c mobili Max | I | 1.2 | 0.4 | 6.1 | 0.8 | 5.7 | 0.4 |
| | | | CNT | 1.2 | 0.4 | 6.1 | 0.8 | 11.3 | 0.4 |
| | | | J | 1.2 | 0.4 | 72.5 | 0.8 | 7.9 | 0.5 |
| | | Min | I | -0.4 | -0.6 | -57.3 | -1.1 | -9.4 | -0.2 |
| | | | CNT | -0.4 | -0.6 | -57.3 | -1.1 | -2.3 | -0.2 |
| | | | J | -0.4 | -0.6 | -16.8 | -1.1 | -8.8 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.1 | -0.0 | -0.4 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | perm | I | -0.0 | -0.0 | -0.5 | -0.1 | -0.8 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -0.5 | -0.1 | -0.6 | -0.0 |
| | | | J | -0.0 | -0.0 | -0.5 | -0.1 | -0.5 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 363 | 2 | 3 c mobili Max | I | 1.2 | 0.4 | 5.7 | 0.9 | 5.3 | 0.4 |
| | | | CNT | 1.2 | 0.4 | 5.7 | 0.9 | 10.9 | 0.4 |
| | | | J | 1.2 | 0.4 | 72.1 | 0.9 | 7.5 | 0.5 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|------|------|-------|------|-------|------|
| | | | Min | I | -0.4 | -0.6 | -57.0 | -1.2 | -9.5 | -0.2 |
| | | | | CNT | -0.4 | -0.6 | -57.0 | -1.2 | -2.2 | -0.2 |
| | | | | J | -0.4 | -0.6 | -16.3 | -1.2 | -8.8 | -0.3 |
| | | pp | | I | -0.0 | -0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | -0.4 | -0.1 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.4 | -0.1 | -0.6 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.4 | -0.1 | -0.4 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 364 | 2 | 3 c mobili | Max | I | 1.2 | 0.4 | 5.2 | 0.9 | 4.8 | 0.4 |
| | | | | CNT | 1.2 | 0.4 | 5.2 | 0.9 | 10.4 | 0.4 |
| | | | | J | 1.2 | 0.4 | 71.7 | 0.9 | 7.0 | 0.5 |
| | | | Min | I | -0.4 | -0.6 | -56.8 | -1.2 | -9.6 | -0.2 |
| | | | | CNT | -0.4 | -0.6 | -56.8 | -1.2 | -2.0 | -0.2 |
| | | | | J | -0.4 | -0.6 | -15.6 | -1.2 | -8.8 | -0.3 |
| | | pp | | I | -0.0 | -0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.1 | -0.0 | -0.3 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.1 | -0.0 | -0.2 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | -0.4 | -0.1 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.4 | -0.1 | -0.5 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.4 | -0.1 | -0.4 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 365 | 2 | 3 c mobili | Max | I | 1.2 | 0.3 | 4.6 | 0.9 | 4.3 | 0.4 |
| | | | | CNT | 1.2 | 0.3 | 4.6 | 0.9 | 9.8 | 0.4 |
| | | | | J | 1.2 | 0.3 | 71.1 | 0.9 | 6.5 | 0.5 |
| | | | Min | I | -0.4 | -0.6 | -56.5 | -1.2 | -9.7 | -0.2 |
| | | | | CNT | -0.4 | -0.6 | -56.5 | -1.2 | -1.8 | -0.2 |
| | | | | J | -0.4 | -0.6 | -15.0 | -1.2 | -8.8 | -0.3 |
| | | pp | | I | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | perm | | I | -0.0 | -0.0 | -0.3 | -0.1 | -0.5 | -0.1 |
| | | | | CNT | -0.0 | -0.0 | -0.3 | -0.1 | -0.4 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.3 | -0.1 | -0.3 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 366 | 2 | 3 c mobili | Max | I | 1.1 | 0.3 | 3.8 | 1.0 | 3.7 | 0.4 |
| | | | | CNT | 1.1 | 0.3 | 3.8 | 1.0 | 9.3 | 0.4 |
| | | | | J | 1.1 | 0.3 | 70.2 | 1.0 | 6.0 | 0.5 |
| | | | Min | I | -0.5 | -0.6 | -56.2 | -1.3 | -9.8 | -0.2 |
| | | | | CNT | -0.5 | -0.6 | -56.2 | -1.3 | -1.5 | -0.2 |
| | | | | J | -0.5 | -0.6 | -14.3 | -1.3 | -8.7 | -0.3 |
| | | pp | | I | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | | | J | -0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | perm | | I | 0.0 | -0.0 | -0.2 | -0.1 | -0.4 | -0.1 |
| | | | | CNT | 0.0 | -0.0 | -0.2 | -0.1 | -0.4 | -0.0 |
| | | | | J | 0.0 | -0.0 | -0.2 | -0.1 | -0.3 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 367 | 2 | 3 c mobili | Max | I | 1.0 | 0.4 | 2.9 | 1.0 | 3.0 | 0.4 |
| | | | | CNT | 1.0 | 0.4 | 2.9 | 1.0 | 8.7 | 0.4 |
| | | | | J | 1.0 | 0.4 | 69.1 | 1.0 | 5.4 | 0.5 |
| | | | Min | I | -0.5 | -0.7 | -56.3 | -1.3 | -10.0 | -0.2 |
| | | | | CNT | -0.5 | -0.7 | -56.3 | -1.3 | -1.3 | -0.2 |
| | | | | J | -0.5 | -0.7 | -13.5 | -1.3 | -8.6 | -0.3 |
| | | pp | | I | 0.0 | -0.0 | -0.1 | -0.1 | -0.2 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 |
| | | | | J | 0.0 | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 |
| | | perm | | I | 0.0 | -0.0 | -0.1 | -0.1 | -0.3 | -0.1 |
| | | | | CNT | 0.0 | -0.0 | -0.1 | -0.1 | -0.3 | -0.0 |
| | | | | J | 0.0 | -0.0 | -0.1 | -0.1 | -0.3 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|------------|------|------------|------------------|------|------------|------------------|--------|-------|-------|-------|------|------|-----|
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | | | |
| 368 | 2 | 3 c mobili | Max | I | 0.9 | 0.4 | 1.8 | 1.0 | 2.2 | 0.4 | | | |
| | | | CNT | 0.9 | 0.4 | 1.8 | 1.0 | 8.0 | 0.4 | | | | |
| | | | J | 0.9 | 0.4 | 67.7 | 1.0 | 4.7 | 0.5 | | | | |
| | | | Min | I | -0.6 | -0.7 | -56.6 | -1.3 | -10.2 | -0.3 | | | |
| | | | CNT | -0.6 | -0.7 | -56.6 | -1.3 | -1.0 | -0.2 | | | | |
| | | | J | -0.6 | -0.7 | -12.6 | -1.3 | -8.3 | -0.3 | | | | |
| | | | pp | I | 0.0 | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 | | | |
| | | | CNT | 0.0 | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 | | | | |
| | | | J | 0.0 | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 | | | | |
| | | | perm | I | 0.0 | -0.0 | -0.0 | -0.1 | -0.2 | -0.1 | | | |
| | | | CNT | 0.0 | -0.0 | -0.0 | -0.1 | -0.2 | -0.1 | | | | |
| | | | J | 0.0 | -0.0 | -0.0 | -0.1 | -0.2 | -0.0 | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 369 | 2 | 3 c mobili | Max | I | 0.8 | 0.4 | 1.4 | 1.0 | 1.3 | 0.4 |
| | | | | | | CNT | 0.8 | 0.4 | 1.4 | 1.0 | 7.4 | 0.4 | |
| J | 0.8 | 0.4 | | | | 66.6 | 1.0 | 4.2 | 0.5 | | | | |
| Min | I | -0.6 | | | | -0.7 | -56.7 | -1.3 | -10.5 | -0.3 | | | |
| CNT | -0.6 | -0.7 | | | | -56.7 | -1.3 | -0.7 | -0.2 | | | | |
| J | -0.6 | -0.7 | | | | -11.3 | -1.3 | -8.0 | -0.3 | | | | |
| pp | I | 0.0 | | | | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 | | | |
| CNT | 0.0 | -0.0 | | | | -0.1 | -0.1 | -0.1 | -0.0 | | | | |
| J | 0.0 | -0.0 | | | | -0.1 | -0.1 | -0.0 | -0.0 | | | | |
| perm | I | 0.1 | | | | -0.0 | 0.1 | -0.1 | -0.1 | -0.1 | | | |
| CNT | 0.1 | -0.0 | | | | 0.1 | -0.1 | -0.2 | -0.1 | | | | |
| J | 0.1 | -0.0 | | | | 0.1 | -0.1 | -0.2 | -0.0 | | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| CNT | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| J | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 2 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 370 | 2 | 3 c mobili | | | | Max | I | 0.7 | 0.3 | 3.3 | 1.0 | 1.0 | 0.4 |
| | | | | | | CNT | 0.7 | 0.3 | 3.3 | 1.0 | 6.8 | 0.4 | |
| | | | J | 0.7 | 0.3 | 66.5 | 1.0 | 3.6 | 0.5 | | | | |
| | | | Min | I | -0.7 | -0.6 | -56.6 | -1.4 | -10.3 | -0.3 | | | |
| | | | CNT | -0.7 | -0.6 | -56.6 | -1.4 | -0.4 | -0.2 | | | | |
| | | | J | -0.7 | -0.6 | -10.5 | -1.4 | -7.9 | -0.3 | | | | |
| | | | pp | I | 0.1 | -0.0 | -0.1 | -0.1 | -0.1 | -0.0 | | | |
| | | | CNT | 0.1 | -0.0 | -0.1 | -0.1 | -0.0 | -0.0 | | | | |
| | | | J | 0.1 | -0.0 | -0.1 | -0.1 | 0.0 | -0.0 | | | | |
| | | | perm | I | 0.1 | -0.0 | 0.3 | -0.1 | 0.0 | -0.1 | | | |
| | | | CNT | 0.1 | -0.0 | 0.3 | -0.1 | -0.1 | -0.0 | | | | |
| | | | J | 0.1 | -0.0 | 0.3 | -0.1 | -0.2 | -0.0 | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 371 | 2 | 3 c mobili | Max | I | 0.6 | 0.2 | 7.5 | 1.0 | 2.3 | 0.4 |
| | | | | | | CNT | 0.6 | 0.2 | 7.5 | 1.0 | 6.3 | 0.4 | |
| J | 0.6 | 0.2 | | | | 68.1 | 1.0 | 3.8 | 0.5 | | | | |
| Min | I | -0.7 | | | | -0.4 | -58.9 | -1.3 | -11.4 | -0.2 | | | |
| CNT | -0.7 | -0.4 | | | | -58.9 | -1.3 | -0.2 | -0.2 | | | | |
| J | -0.7 | -0.4 | | | | -12.0 | -1.3 | -8.5 | -0.2 | | | | |
| pp | I | 0.1 | | | | -0.0 | -0.1 | -0.1 | -0.0 | -0.0 | | | |
| CNT | 0.1 | -0.0 | | | | -0.1 | -0.1 | 0.0 | -0.0 | | | | |
| J | 0.1 | -0.0 | | | | -0.1 | -0.1 | 0.0 | -0.0 | | | | |
| perm | I | 0.1 | | | | -0.0 | 0.7 | -0.1 | 0.2 | -0.1 | | | |
| CNT | 0.1 | -0.0 | | | | 0.7 | -0.1 | -0.0 | -0.0 | | | | |
| J | 0.1 | -0.0 | | | | 0.7 | -0.1 | -0.2 | -0.0 | | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| CNT | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| J | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 2 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 372 | 2 | 4 c mobili | | | | Max | I | 0.9 | 0.6 | 112.8 | 17.1 | 40.1 | 1.2 |
| | | | | | | CNT | 0.9 | 0.6 | 112.8 | 17.1 | 37.3 | 1.2 | |
| | | | J | 0.9 | 0.6 | 154.7 | 17.1 | 45.4 | 1.4 | | | | |
| | | | Min | I | -2.6 | -1.0 | -124.7 | -22.7 | -56.4 | -0.6 | | | |
| | | | CNT | -2.6 | -1.0 | -124.7 | -22.7 | -43.1 | -0.6 | | | | |
| | | | J | -2.6 | -1.0 | -105.1 | -22.7 | -57.3 | -0.7 | | | | |
| | | | pp | I | 0.1 | -0.0 | 5.7 | -0.9 | 5.8 | -0.1 | | | |
| | | | CNT | 0.1 | -0.0 | 5.7 | -0.9 | 4.1 | -0.1 | | | | |
| | | | J | 0.1 | -0.0 | 5.7 | -0.9 | 2.4 | -0.1 | | | | |
| | | | perm | I | 0.1 | -0.0 | 11.3 | -1.7 | 8.7 | -0.1 | | | |
| | | | CNT | 0.1 | -0.0 | 11.3 | -1.7 | 5.3 | -0.1 | | | | |
| | | | J | 0.1 | -0.0 | 11.3 | -1.7 | 1.9 | -0.1 | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|--------------|----------|------------|------------------------|------|------|--------|--------|-------|------|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | Section: trasverso cap | | | | | | |
| 373 | 1 | 1 | c mobili | Max | I | 0.6 | 1.1 | 143.7 | 148.9 | 5.7 | 1.1 |
| | | | | | CNT | 0.6 | 1.1 | 143.7 | 148.9 | 16.5 | 1.1 |
| | | | | | J | 0.6 | 1.1 | 143.7 | 148.9 | 28.0 | 1.6 |
| | | | | Min | I | -1.0 | -3.8 | -45.7 | -179.3 | -7.7 | -2.4 |
| | | | | | CNT | -1.0 | -3.8 | -45.7 | -179.3 | -37.7 | -2.2 |
| | | | | | J | -1.0 | -3.8 | -45.7 | -179.3 | -73.6 | -2.2 |
| | | | | pp | I | -0.2 | -0.1 | -7.9 | -8.6 | 0.8 | 0.1 |
| | | | | | CNT | -0.2 | -0.1 | -1.5 | -8.6 | 1.9 | 0.1 |
| | | | | | J | -0.2 | -0.1 | 4.9 | -8.6 | 1.5 | 0.1 |
| | | | | perm | I | -0.1 | 0.1 | -5.2 | -18.6 | 0.8 | 0.2 |
| | | | | | CNT | -0.1 | 0.1 | -3.7 | -18.6 | 1.9 | 0.2 |
| | | | | | J | -0.1 | 0.1 | -2.2 | -18.6 | 2.6 | 0.2 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | |
| 374 | 1 | 1 | c mobili | Max | I | 0.8 | 1.3 | 5.9 | 161.6 | 28.3 | 1.7 |
| | | | | | CNT | 0.8 | 1.3 | 5.9 | 161.6 | 67.4 | 2.6 |
| | | | | | J | 0.8 | 1.3 | 5.9 | 161.6 | 142.2 | 3.5 |
| | | | | Min | I | -1.4 | -4.1 | -301.9 | -190.6 | -73.7 | -3.0 |
| | | | | | CNT | -1.4 | -4.1 | -301.9 | -190.6 | -61.6 | -2.9 |
| | | | | | J | -1.4 | -4.1 | -301.9 | -190.6 | -59.8 | -2.9 |
| | | | | pp | I | -0.2 | -0.1 | -282.3 | -10.5 | 1.6 | 0.1 |
| | | | | | CNT | -0.2 | -0.1 | -275.9 | -10.5 | 71.3 | 0.2 |
| | | | | | J | -0.2 | -0.1 | -269.5 | -10.5 | 139.5 | 0.2 |
| | | | | perm | I | -0.1 | 0.1 | -79.8 | -21.3 | 2.6 | 0.2 |
| | | | | | CNT | -0.1 | 0.1 | -78.3 | -21.3 | 22.4 | 0.2 |
| | | | | | J | -0.1 | 0.1 | -76.8 | -21.3 | 41.8 | 0.2 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | |
| 375 | 1 | 1 | c mobili | Max | I | 0.8 | 1.5 | 16.0 | 171.7 | 142.1 | 3.8 |
| | | | | | CNT | 0.8 | 1.5 | 16.0 | 171.7 | 197.9 | 4.4 |
| | | | | | J | 0.8 | 1.5 | 16.0 | 171.7 | 268.7 | 5.3 |
| | | | | Min | I | -1.8 | -4.2 | -283.9 | -193.7 | -59.8 | -3.6 |
| | | | | | CNT | -1.8 | -4.2 | -283.9 | -193.7 | -58.3 | -3.7 |
| | | | | | J | -1.8 | -4.2 | -283.9 | -193.7 | -56.8 | -3.8 |
| | | | | pp | I | -0.2 | -0.0 | -270.9 | -11.6 | 139.6 | 0.1 |
| | | | | | CNT | -0.2 | -0.0 | -264.6 | -11.6 | 206.5 | 0.1 |
| | | | | | J | -0.2 | -0.0 | -258.2 | -11.6 | 271.9 | 0.2 |
| | | | | perm | I | -0.1 | 0.2 | -77.4 | -22.6 | 41.9 | 0.2 |
| | | | | | CNT | -0.1 | 0.2 | -75.9 | -22.6 | 61.0 | 0.1 |
| | | | | | J | -0.1 | 0.2 | -74.4 | -22.6 | 79.8 | 0.1 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | |
| 376 | 1 | 1 | c mobili | Max | I | 0.8 | 1.6 | 23.6 | 175.3 | 268.5 | 5.7 |
| | | | | | CNT | 0.8 | 1.6 | 23.6 | 175.3 | 315.4 | 6.3 |
| | | | | | J | 0.8 | 1.6 | 23.6 | 175.3 | 382.8 | 6.9 |
| | | | | Min | I | -2.1 | -4.2 | -270.5 | -197.4 | -56.8 | -4.7 |
| | | | | | CNT | -2.1 | -4.2 | -270.5 | -197.4 | -55.4 | -4.8 |
| | | | | | J | -2.1 | -4.2 | -270.5 | -197.4 | -54.0 | -5.0 |
| | | | | pp | I | -0.1 | 0.0 | -259.0 | -12.1 | 271.9 | 0.1 |
| | | | | | CNT | -0.1 | 0.0 | -252.7 | -12.1 | 335.9 | 0.1 |
| | | | | | J | -0.1 | 0.0 | -246.3 | -12.1 | 398.3 | 0.1 |
| | | | | perm | I | -0.1 | 0.2 | -74.5 | -23.0 | 79.9 | 0.0 |
| | | | | | CNT | -0.1 | 0.2 | -73.0 | -23.0 | 98.3 | -0.0 |
| | | | | | J | -0.1 | 0.2 | -71.5 | -23.0 | 116.4 | -0.1 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | |
| 377 | 1 | 1 | c mobili | Max | I | 0.9 | 1.9 | 34.0 | 174.5 | 382.6 | 7.3 |
| | | | | | CNT | 0.9 | 1.9 | 34.0 | 174.5 | 422.4 | 7.8 |
| | | | | | J | 0.9 | 1.9 | 34.0 | 174.5 | 487.0 | 8.3 |
| | | | | Min | I | -2.2 | -4.2 | -259.4 | -194.8 | -54.0 | -5.7 |
| | | | | | CNT | -2.2 | -4.2 | -259.4 | -194.8 | -52.7 | -5.9 |
| | | | | | J | -2.2 | -4.2 | -259.4 | -194.8 | -51.4 | -6.0 |
| | | | | pp | I | -0.1 | 0.1 | -246.8 | -12.3 | 398.3 | 0.0 |
| | | | | | CNT | -0.1 | 0.1 | -240.4 | -12.3 | 459.2 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|--------|--------|--------|-------|------|
| | | | J | -0.1 | 0.1 | -234.0 | -12.3 | 518.5 | 0.0 | |
| | | perm | I | -0.0 | 0.2 | -71.3 | -22.9 | 116.4 | -0.1 | |
| | | | CNT | -0.0 | 0.2 | -69.8 | -22.9 | 134.0 | -0.1 | |
| | | | J | -0.0 | 0.2 | -68.3 | -22.9 | 151.3 | -0.2 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 378 | 1 | 1 c mobili | Max | I | 0.9 | 2.1 | 44.4 | 171.1 | 486.8 | 8.5 |
| | | | | CNT | 0.9 | 2.1 | 44.4 | 171.1 | 520.4 | 8.9 |
| | | | | J | 0.9 | 2.1 | 44.4 | 171.1 | 582.5 | 9.4 |
| | | | Min | I | -2.3 | -4.1 | -249.7 | -192.2 | -51.4 | -6.8 |
| | | | | CNT | -2.3 | -4.1 | -249.7 | -192.2 | -50.2 | -6.9 |
| | | | | J | -2.3 | -4.1 | -249.7 | -192.2 | -49.0 | -7.0 |
| | | | pp | I | -0.0 | 0.1 | -234.2 | -12.3 | 518.6 | -0.0 |
| | | | | CNT | -0.0 | 0.1 | -227.8 | -12.3 | 576.3 | -0.0 |
| | | | | J | -0.0 | 0.1 | -221.5 | -12.3 | 632.5 | -0.1 |
| | | perm | I | -0.0 | 0.2 | -67.8 | -22.5 | 151.4 | -0.2 | |
| | | | CNT | -0.0 | 0.2 | -66.3 | -22.5 | 168.1 | -0.3 | |
| | | | J | -0.0 | 0.2 | -64.8 | -22.5 | 184.5 | -0.3 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 379 | 1 | 1 c mobili | Max | I | 1.0 | 2.3 | 53.0 | 166.0 | 582.3 | 9.5 |
| | | | | CNT | 1.0 | 2.3 | 53.0 | 166.0 | 610.3 | 9.8 |
| | | | | J | 1.0 | 2.3 | 53.0 | 166.0 | 670.1 | 10.2 |
| | | | Min | I | -2.4 | -4.0 | -240.8 | -189.6 | -49.0 | -7.7 |
| | | | | CNT | -2.4 | -4.0 | -240.8 | -189.6 | -47.9 | -7.8 |
| | | | | J | -2.4 | -4.0 | -240.8 | -189.6 | -46.8 | -7.9 |
| | | | pp | I | -0.0 | 0.1 | -221.5 | -12.0 | 632.5 | -0.1 |
| | | | | CNT | -0.0 | 0.1 | -215.1 | -12.0 | 687.1 | -0.1 |
| | | | | J | -0.0 | 0.1 | -208.8 | -12.0 | 740.1 | -0.2 |
| | | perm | I | 0.0 | 0.2 | -64.2 | -21.8 | 184.6 | -0.3 | |
| | | | CNT | 0.0 | 0.2 | -62.7 | -21.8 | 200.4 | -0.4 | |
| | | | J | 0.0 | 0.2 | -61.2 | -21.8 | 215.9 | -0.5 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 380 | 1 | 1 c mobili | Max | I | 1.0 | 2.5 | 60.6 | 160.0 | 669.9 | 10.3 |
| | | | | CNT | 1.0 | 2.5 | 60.6 | 160.0 | 694.0 | 10.5 |
| | | | | J | 1.0 | 2.5 | 60.6 | 160.0 | 750.4 | 10.8 |
| | | | Min | I | -2.4 | -4.0 | -232.6 | -186.6 | -46.8 | -8.5 |
| | | | | CNT | -2.4 | -4.0 | -232.6 | -186.6 | -45.8 | -8.6 |
| | | | | J | -2.4 | -4.0 | -232.6 | -186.6 | -44.7 | -8.7 |
| | | | pp | I | 0.0 | 0.1 | -208.7 | -11.7 | 740.2 | -0.2 |
| | | | | CNT | 0.0 | 0.1 | -202.3 | -11.7 | 791.5 | -0.2 |
| | | | | J | 0.0 | 0.1 | -195.9 | -11.7 | 841.3 | -0.2 |
| | | perm | I | 0.0 | 0.2 | -60.6 | -20.9 | 216.0 | -0.4 | |
| | | | CNT | 0.0 | 0.2 | -59.1 | -20.9 | 230.9 | -0.5 | |
| | | | J | 0.0 | 0.2 | -57.6 | -20.9 | 245.5 | -0.6 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 381 | 1 | 1 c mobili | Max | I | 1.0 | 2.7 | 67.5 | 153.5 | 750.2 | 10.9 |
| | | | | CNT | 1.0 | 2.7 | 67.5 | 153.5 | 771.4 | 11.0 |
| | | | | J | 1.0 | 2.7 | 67.5 | 153.5 | 824.0 | 11.3 |
| | | | Min | I | -2.5 | -3.9 | -225.0 | -183.1 | -44.7 | -9.2 |
| | | | | CNT | -2.5 | -3.9 | -225.0 | -183.1 | -43.8 | -9.3 |
| | | | | J | -2.5 | -3.9 | -225.0 | -183.1 | -42.8 | -9.3 |
| | | | pp | I | 0.0 | 0.1 | -195.7 | -11.2 | 841.4 | -0.2 |
| | | | | CNT | 0.0 | 0.1 | -189.4 | -11.2 | 889.5 | -0.3 |
| | | | | J | 0.0 | 0.1 | -183.0 | -11.2 | 936.0 | -0.3 |
| | | perm | I | 0.0 | 0.2 | -56.8 | -19.9 | 245.6 | -0.5 | |
| | | | CNT | 0.0 | 0.2 | -55.3 | -19.9 | 259.6 | -0.6 | |
| | | | J | 0.0 | 0.2 | -53.8 | -19.9 | 273.2 | -0.6 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 382 | 1 | 1 c mobili | Max | I | 1.0 | 2.8 | 73.9 | 146.9 | 823.8 | 11.3 |
| | | | | CNT | 1.0 | 2.8 | 73.9 | 146.9 | 842.9 | 11.3 |
| | | | | J | 1.0 | 2.8 | 73.9 | 146.9 | 891.2 | 11.6 |
| | | | Min | I | -2.5 | -3.9 | -217.7 | -179.0 | -42.8 | -9.8 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|--------|--------|--------|--------|-------|
| | | | CNT | -2.5 | -3.9 | -217.7 | -179.0 | -41.9 | -9.8 | |
| | | | J | -2.5 | -3.9 | -217.7 | -179.0 | -41.0 | -9.9 | |
| | | pp | I | 0.0 | 0.1 | -182.8 | -10.7 | 936.1 | -0.3 | |
| | | | CNT | 0.0 | 0.1 | -176.4 | -10.7 | 981.0 | -0.3 | |
| | | | J | 0.0 | 0.1 | -170.0 | -10.7 | 1024.3 | -0.4 | |
| | | perm | I | 0.0 | 0.2 | -53.1 | -18.8 | 273.3 | -0.6 | |
| | | | CNT | 0.0 | 0.2 | -51.6 | -18.8 | 286.3 | -0.7 | |
| | | | J | 0.0 | 0.2 | -50.1 | -18.8 | 299.0 | -0.7 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 383 | 1 | 1 c mobili | Max | I | 1.0 | 3.0 | 79.9 | 140.4 | 891.0 | 11.5 |
| | | | | CNT | 1.0 | 3.0 | 79.9 | 140.4 | 908.2 | 11.6 |
| | | | | J | 1.0 | 3.0 | 79.9 | 140.4 | 952.2 | 11.8 |
| | | | Min | I | -2.5 | -3.8 | -210.9 | -174.4 | -41.0 | -10.3 |
| | | | | CNT | -2.5 | -3.8 | -210.9 | -174.4 | -40.1 | -10.3 |
| | | | | J | -2.5 | -3.8 | -210.9 | -174.4 | -39.2 | -10.3 |
| | | pp | I | 0.0 | 0.1 | -169.7 | -10.1 | 1024.3 | -0.3 | |
| | | | CNT | 0.0 | 0.1 | -163.4 | -10.1 | 1066.0 | -0.4 | |
| | | | J | 0.0 | 0.1 | -157.0 | -10.1 | 1106.0 | -0.4 | |
| | | perm | I | 0.0 | 0.2 | -49.3 | -17.6 | 299.1 | -0.7 | |
| | | | CNT | 0.0 | 0.2 | -47.8 | -17.6 | 311.2 | -0.7 | |
| | | | J | 0.0 | 0.2 | -46.3 | -17.6 | 323.0 | -0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 384 | 1 | 1 c mobili | Max | I | 1.0 | 3.1 | 85.5 | 134.0 | 952.0 | 11.7 |
| | | | | CNT | 1.0 | 3.1 | 85.5 | 134.0 | 967.4 | 11.7 |
| | | | | J | 1.0 | 3.1 | 85.5 | 134.0 | 1007.5 | 11.9 |
| | | | Min | I | -2.6 | -3.8 | -204.3 | -169.1 | -39.2 | -10.7 |
| | | | | CNT | -2.6 | -3.8 | -204.3 | -169.1 | -38.4 | -10.7 |
| | | | | J | -2.6 | -3.8 | -204.3 | -169.1 | -37.6 | -10.7 |
| | | pp | I | 0.0 | 0.1 | -156.7 | -9.4 | 1106.0 | -0.4 | |
| | | | CNT | 0.0 | 0.1 | -150.3 | -9.4 | 1144.4 | -0.4 | |
| | | | J | 0.0 | 0.1 | -144.0 | -9.4 | 1181.2 | -0.4 | |
| | | perm | I | 0.0 | 0.2 | -45.5 | -16.3 | 323.0 | -0.7 | |
| | | | CNT | 0.0 | 0.2 | -44.0 | -16.3 | 334.2 | -0.8 | |
| | | | J | 0.0 | 0.2 | -42.5 | -16.3 | 345.0 | -0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 385 | 1 | 1 c mobili | Max | I | 1.0 | 3.2 | 90.9 | 127.7 | 1007.3 | 11.9 |
| | | | | CNT | 1.0 | 3.2 | 90.9 | 127.7 | 1021.0 | 11.8 |
| | | | | J | 1.0 | 3.2 | 90.9 | 127.7 | 1057.2 | 12.0 |
| | | | Min | I | -2.6 | -3.8 | -198.0 | -163.2 | -37.6 | -11.0 |
| | | | | CNT | -2.6 | -3.8 | -198.0 | -163.2 | -36.8 | -11.0 |
| | | | | J | -2.6 | -3.8 | -198.0 | -163.2 | -36.0 | -11.0 |
| | | pp | I | 0.0 | 0.1 | -143.7 | -8.7 | 1181.2 | -0.4 | |
| | | | CNT | 0.0 | 0.1 | -137.3 | -8.7 | 1216.4 | -0.4 | |
| | | | J | 0.0 | 0.1 | -130.9 | -8.7 | 1249.9 | -0.5 | |
| | | perm | I | 0.0 | 0.1 | -41.6 | -15.0 | 345.0 | -0.8 | |
| | | | CNT | 0.0 | 0.1 | -40.1 | -15.0 | 355.2 | -0.8 | |
| | | | J | 0.0 | 0.1 | -38.6 | -15.0 | 365.1 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 386 | 1 | 1 c mobili | Max | I | 1.0 | 3.2 | 96.0 | 121.6 | 1057.0 | 11.9 |
| | | | | CNT | 1.0 | 3.2 | 96.0 | 121.6 | 1068.9 | 11.9 |
| | | | | J | 1.0 | 3.2 | 96.0 | 121.6 | 1101.5 | 12.0 |
| | | | Min | I | -2.6 | -3.7 | -192.0 | -156.8 | -36.0 | -11.3 |
| | | | | CNT | -2.6 | -3.7 | -192.0 | -156.8 | -35.2 | -11.3 |
| | | | | J | -2.6 | -3.7 | -192.0 | -156.8 | -34.4 | -11.3 |
| | | pp | I | 0.0 | 0.1 | -130.6 | -8.0 | 1249.9 | -0.5 | |
| | | | CNT | 0.0 | 0.1 | -124.2 | -8.0 | 1281.8 | -0.5 | |
| | | | J | 0.0 | 0.1 | -117.8 | -8.0 | 1312.0 | -0.5 | |
| | | perm | I | 0.0 | 0.1 | -37.8 | -13.7 | 365.1 | -0.8 | |
| | | | CNT | 0.0 | 0.1 | -36.3 | -13.7 | 374.4 | -0.9 | |
| | | | J | 0.0 | 0.1 | -34.8 | -13.7 | 383.3 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|--------|-------|
| 387 | 1 | 1 c mobili | Max | I | 1.0 | 3.3 | 100.9 | 115.7 | 1101.3 | 12.0 |
| | | | | CNT | 1.0 | 3.3 | 100.9 | 115.7 | 1111.6 | 11.9 |
| | | | | J | 1.0 | 3.3 | 100.9 | 115.7 | 1140.6 | 12.0 |
| | | | Min | I | -2.7 | -3.7 | -186.1 | -149.9 | -34.4 | -11.6 |
| | | | | CNT | -2.7 | -3.7 | -186.1 | -149.9 | -33.7 | -11.5 |
| | | | | J | -2.7 | -3.7 | -186.1 | -149.9 | -33.0 | -11.5 |
| | | | PP | I | 0.0 | 0.1 | -117.5 | -7.2 | 1312.0 | -0.5 |
| | | | | CNT | 0.0 | 0.1 | -111.1 | -7.2 | 1340.6 | -0.5 |
| | | | | J | 0.0 | 0.1 | -104.8 | -7.2 | 1367.6 | -0.5 |
| | | | perm | I | 0.0 | 0.1 | -34.0 | -12.3 | 383.3 | -0.9 |
| | | | | CNT | 0.0 | 0.1 | -32.5 | -12.3 | 391.6 | -0.9 |
| | | | | J | 0.0 | 0.1 | -31.0 | -12.3 | 399.6 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|--------|-------|
| 388 | 1 | 1 c mobili | Max | I | 1.0 | 3.3 | 105.6 | 110.2 | 1140.4 | 12.0 |
| | | | | CNT | 1.0 | 3.3 | 105.6 | 110.2 | 1149.0 | 11.9 |
| | | | | J | 1.0 | 3.3 | 105.6 | 110.2 | 1174.6 | 12.0 |
| | | | Min | I | -2.7 | -3.7 | -180.4 | -142.6 | -33.0 | -11.8 |
| | | | | CNT | -2.7 | -3.7 | -180.4 | -142.6 | -32.3 | -11.7 |
| | | | | J | -2.7 | -3.7 | -180.4 | -142.6 | -31.6 | -11.7 |
| | | | PP | I | 0.0 | 0.1 | -104.4 | -6.4 | 1367.6 | -0.5 |
| | | | | CNT | 0.0 | 0.1 | -98.1 | -6.4 | 1393.0 | -0.5 |
| | | | | J | 0.0 | 0.1 | -91.7 | -6.4 | 1416.7 | -0.5 |
| | | | perm | I | 0.0 | 0.1 | -30.2 | -10.9 | 399.6 | -0.9 |
| | | | | CNT | 0.0 | 0.1 | -28.7 | -10.9 | 406.9 | -0.9 |
| | | | | J | 0.0 | 0.1 | -27.2 | -10.9 | 413.9 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|--------|-------|
| 389 | 1 | 1 c mobili | Max | I | 1.0 | 3.4 | 110.3 | 105.9 | 1174.4 | 12.0 |
| | | | | CNT | 1.0 | 3.4 | 110.3 | 105.9 | 1181.4 | 11.9 |
| | | | | J | 1.0 | 3.4 | 110.3 | 105.9 | 1203.6 | 12.0 |
| | | | Min | I | -2.7 | -3.7 | -174.9 | -135.2 | -31.6 | -11.9 |
| | | | | CNT | -2.7 | -3.7 | -174.9 | -135.2 | -30.9 | -11.9 |
| | | | | J | -2.7 | -3.7 | -174.9 | -135.2 | -30.2 | -11.8 |
| | | | PP | I | 0.0 | 0.1 | -91.4 | -5.6 | 1416.7 | -0.5 |
| | | | | CNT | 0.0 | 0.1 | -85.0 | -5.6 | 1438.7 | -0.5 |
| | | | | J | 0.0 | 0.1 | -78.6 | -5.6 | 1459.2 | -0.5 |
| | | | perm | I | 0.0 | 0.1 | -26.4 | -9.5 | 413.9 | -0.9 |
| | | | | CNT | 0.0 | 0.1 | -24.9 | -9.5 | 420.3 | -0.9 |
| | | | | J | 0.0 | 0.1 | -23.4 | -9.5 | 426.4 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|--------|-------|
| 390 | 1 | 1 c mobili | Max | I | 1.0 | 3.4 | 115.1 | 102.2 | 1203.4 | 12.0 |
| | | | | CNT | 1.0 | 3.4 | 115.1 | 102.2 | 1208.8 | 11.9 |
| | | | | J | 1.0 | 3.4 | 115.1 | 102.2 | 1227.6 | 12.0 |
| | | | Min | I | -2.8 | -3.6 | -169.5 | -127.7 | -30.2 | -12.0 |
| | | | | CNT | -2.8 | -3.6 | -169.5 | -127.7 | -29.5 | -12.0 |
| | | | | J | -2.8 | -3.6 | -169.5 | -127.7 | -28.9 | -11.9 |
| | | | PP | I | 0.0 | 0.0 | -78.3 | -4.7 | 1459.2 | -0.5 |
| | | | | CNT | 0.0 | 0.0 | -71.9 | -4.7 | 1478.0 | -0.5 |
| | | | | J | 0.0 | 0.0 | -65.6 | -4.7 | 1495.2 | -0.6 |
| | | | perm | I | 0.0 | 0.1 | -22.5 | -8.0 | 426.4 | -0.9 |
| | | | | CNT | 0.0 | 0.1 | -21.0 | -8.0 | 431.8 | -0.9 |
| | | | | J | 0.0 | 0.1 | -19.5 | -8.0 | 436.9 | -1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|--------|--------|--------|-------|
| 391 | 1 | 1 c mobili | Max | I | 1.0 | 3.5 | 119.9 | 98.8 | 1227.5 | 11.9 |
| | | | | CNT | 1.0 | 3.5 | 119.9 | 98.8 | 1231.3 | 11.8 |
| | | | | J | 1.0 | 3.5 | 119.9 | 98.8 | 1246.9 | 11.9 |
| | | | Min | I | -2.8 | -3.6 | -164.2 | -120.6 | -28.9 | -12.1 |
| | | | | CNT | -2.8 | -3.6 | -164.2 | -120.6 | -28.2 | -12.0 |
| | | | | J | -2.8 | -3.6 | -164.2 | -120.6 | -27.6 | -12.0 |
| | | | PP | I | 0.0 | 0.0 | -65.2 | -3.9 | 1495.2 | -0.5 |
| | | | | CNT | 0.0 | 0.0 | -58.8 | -3.9 | 1510.7 | -0.6 |
| | | | | J | 0.0 | 0.0 | -52.5 | -3.9 | 1524.6 | -0.6 |
| | | | perm | I | 0.0 | 0.1 | -18.7 | -6.6 | 436.9 | -0.9 |
| | | | | CNT | 0.0 | 0.1 | -17.2 | -6.6 | 441.4 | -0.9 |
| | | | | J | 0.0 | 0.1 | -15.7 | -6.6 | 445.5 | -1.0 |

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|-----|--------------|------------|------------|--------------|------|------|--------|--------|--------|-------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 392 | 1 | 1 c mobili | Max | I | 1.0 | 3.5 | 124.6 | 95.8 | 1246.8 | 11.9 | |
| | | | | CNT | 1.0 | 3.5 | 124.6 | 95.8 | 1249.0 | 11.8 | |
| | | | | J | 1.0 | 3.5 | 124.6 | 95.8 | 1261.4 | 11.9 | |
| | | | Min | I | -2.8 | -3.6 | -159.0 | -114.0 | -27.6 | -12.2 | |
| | | | | CNT | -2.8 | -3.6 | -159.0 | -114.0 | -26.9 | -12.1 | |
| | | | | J | -2.8 | -3.6 | -159.0 | -114.0 | -26.3 | -12.0 | |
| | | | pp | I | 0.0 | 0.0 | -52.1 | -3.0 | 1524.6 | -0.6 | |
| | | | | CNT | 0.0 | 0.0 | -45.8 | -3.0 | 1536.9 | -0.6 | |
| | | | | J | 0.0 | 0.0 | -39.4 | -3.0 | 1547.5 | -0.6 | |
| | | | perm | I | 0.0 | 0.0 | -14.9 | -5.1 | 445.5 | -0.9 | |
| | | | | CNT | 0.0 | 0.0 | -13.4 | -5.1 | 449.1 | -1.0 | |
| | | | | J | 0.0 | 0.0 | -11.9 | -5.1 | 452.2 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 393 | 1 | 1 c mobili | Max | I | 1.0 | 3.5 | 129.4 | 93.6 | 1261.3 | 11.9 | |
| | | | | CNT | 1.0 | 3.5 | 129.4 | 93.6 | 1262.0 | 11.8 | |
| | | | | J | 1.0 | 3.5 | 129.4 | 93.6 | 1271.2 | 11.9 | |
| | | | Min | I | -2.8 | -3.6 | -153.9 | -107.6 | -26.3 | -12.2 | |
| | | | | CNT | -2.8 | -3.6 | -153.9 | -107.6 | -25.7 | -12.1 | |
| | | | | J | -2.8 | -3.6 | -153.9 | -107.6 | -25.1 | -12.1 | |
| | | | pp | I | 0.0 | 0.0 | -39.1 | -2.2 | 1547.5 | -0.6 | |
| | | | | CNT | 0.0 | 0.0 | -32.7 | -2.2 | 1556.5 | -0.6 | |
| | | | | J | 0.0 | 0.0 | -26.3 | -2.2 | 1563.9 | -0.6 | |
| | | | perm | I | -0.0 | 0.0 | -11.1 | -3.7 | 452.2 | -1.0 | |
| | | | | CNT | -0.0 | 0.0 | -9.6 | -3.7 | 454.8 | -1.0 | |
| | | | | J | -0.0 | 0.0 | -8.1 | -3.7 | 457.0 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 394 | 1 | 1 c mobili | Max | I | 1.0 | 3.5 | 134.2 | 94.5 | 1271.1 | 11.9 | |
| | | | | CNT | 1.0 | 3.5 | 134.2 | 94.5 | 1270.3 | 11.8 | |
| | | | | J | 1.0 | 3.5 | 134.2 | 94.5 | 1276.2 | 11.9 | |
| | | | Min | I | -2.8 | -3.6 | -148.9 | -101.5 | -25.1 | -12.2 | |
| | | | | CNT | -2.8 | -3.6 | -148.9 | -101.5 | -24.5 | -12.1 | |
| | | | | J | -2.8 | -3.6 | -148.9 | -101.5 | -23.9 | -12.1 | |
| | | | pp | I | 0.0 | 0.0 | -26.0 | -1.3 | 1563.9 | -0.6 | |
| | | | | CNT | 0.0 | 0.0 | -19.6 | -1.3 | 1569.6 | -0.6 | |
| | | | | J | 0.0 | 0.0 | -13.2 | -1.3 | 1573.7 | -0.6 | |
| | | | perm | I | -0.0 | 0.0 | -7.2 | -2.2 | 457.0 | -1.0 | |
| | | | | CNT | -0.0 | 0.0 | -5.7 | -2.2 | 458.6 | -1.0 | |
| | | | | J | -0.0 | 0.0 | -4.2 | -2.2 | 459.9 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 395 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 139.1 | 95.6 | 1276.2 | 11.9 | |
| | | | | CNT | 1.0 | 3.6 | 139.1 | 95.6 | 1273.8 | 11.8 | |
| | | | | J | 1.0 | 3.6 | 139.1 | 95.6 | 1276.6 | 11.9 | |
| | | | Min | I | -2.8 | -3.6 | -144.0 | -97.0 | -23.9 | -12.2 | |
| | | | | CNT | -2.8 | -3.6 | -144.0 | -97.0 | -23.3 | -12.1 | |
| | | | | J | -2.8 | -3.6 | -144.0 | -97.0 | -22.7 | -12.1 | |
| | | | pp | I | 0.0 | 0.0 | -12.9 | -0.4 | 1573.7 | -0.6 | |
| | | | | CNT | 0.0 | 0.0 | -6.5 | -0.4 | 1576.1 | -0.6 | |
| | | | | J | 0.0 | 0.0 | -0.2 | -0.4 | 1577.0 | -0.6 | |
| | | | perm | I | -0.0 | 0.0 | -3.4 | -0.7 | 459.9 | -1.0 | |
| | | | | CNT | -0.0 | 0.0 | -1.9 | -0.7 | 460.5 | -1.0 | |
| | | | | J | -0.0 | 0.0 | -0.4 | -0.7 | 460.8 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 396 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 144.0 | 97.0 | 1276.6 | 11.9 | |
| | | | | CNT | 1.0 | 3.6 | 144.0 | 97.0 | 1273.8 | 11.8 | |
| | | | | J | 1.0 | 3.6 | 144.0 | 97.0 | 1276.2 | 11.9 | |
| | | | Min | I | -2.8 | -3.6 | -139.1 | -95.6 | -22.7 | -12.1 | |
| | | | | CNT | -2.8 | -3.6 | -139.1 | -95.6 | -23.3 | -12.1 | |
| | | | | J | -2.8 | -3.6 | -139.1 | -95.6 | -23.9 | -12.2 | |
| | | | pp | I | 0.0 | -0.0 | 0.2 | 0.4 | 1577.0 | -0.6 | |
| | | | | CNT | 0.0 | -0.0 | 6.5 | 0.4 | 1576.1 | -0.6 | |
| | | | | J | 0.0 | -0.0 | 12.9 | 0.4 | 1573.7 | -0.6 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|--------------|------|------|--------|--------|--------|-------|
| | | | perm | I | -0.0 | -0.0 | 0.4 | 0.7 | 460.8 | -1.0 |
| | | | | CNT | -0.0 | -0.0 | 1.9 | 0.7 | 460.5 | -1.0 |
| | | | | J | -0.0 | -0.0 | 3.4 | 0.7 | 459.9 | -1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 397 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 148.9 | 101.5 | 1276.2 | 11.9 |
| | | | | CNT | 1.0 | 3.6 | 148.9 | 101.5 | 1270.3 | 11.8 |
| | | | | J | 1.0 | 3.6 | 148.9 | 101.5 | 1271.1 | 11.9 |
| | | | Min | I | -2.8 | -3.5 | -134.2 | -94.5 | -23.9 | -12.1 |
| | | | | CNT | -2.8 | -3.5 | -134.2 | -94.5 | -24.5 | -12.1 |
| | | | | J | -2.8 | -3.5 | -134.2 | -94.5 | -25.1 | -12.2 |
| | | | pp | I | 0.0 | -0.0 | 13.2 | 1.3 | 1573.7 | -0.6 |
| | | | | CNT | 0.0 | -0.0 | 19.6 | 1.3 | 1569.6 | -0.6 |
| | | | | J | 0.0 | -0.0 | 26.0 | 1.3 | 1563.9 | -0.6 |
| | | | perm | I | -0.0 | -0.0 | 4.2 | 2.2 | 459.9 | -1.0 |
| | | | | CNT | -0.0 | -0.0 | 5.7 | 2.2 | 458.6 | -1.0 |
| | | | | J | -0.0 | -0.0 | 7.2 | 2.2 | 457.0 | -1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 398 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 153.9 | 107.6 | 1271.2 | 11.9 |
| | | | | CNT | 1.0 | 3.6 | 153.9 | 107.6 | 1262.0 | 11.8 |
| | | | | J | 1.0 | 3.6 | 153.9 | 107.6 | 1261.3 | 11.9 |
| | | | Min | I | -2.8 | -3.5 | -129.4 | -93.6 | -25.1 | -12.1 |
| | | | | CNT | -2.8 | -3.5 | -129.4 | -93.6 | -25.7 | -12.1 |
| | | | | J | -2.8 | -3.5 | -129.4 | -93.6 | -26.3 | -12.2 |
| | | | pp | I | 0.0 | -0.0 | 26.3 | 2.2 | 1563.9 | -0.6 |
| | | | | CNT | 0.0 | -0.0 | 32.7 | 2.2 | 1556.5 | -0.6 |
| | | | | J | 0.0 | -0.0 | 39.1 | 2.2 | 1547.5 | -0.6 |
| | | | perm | I | -0.0 | -0.0 | 8.1 | 3.7 | 457.0 | -1.0 |
| | | | | CNT | -0.0 | -0.0 | 9.6 | 3.7 | 454.8 | -1.0 |
| | | | | J | -0.0 | -0.0 | 11.1 | 3.7 | 452.2 | -1.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 399 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 159.0 | 114.0 | 1261.4 | 11.9 |
| | | | | CNT | 1.0 | 3.6 | 159.0 | 114.0 | 1249.0 | 11.8 |
| | | | | J | 1.0 | 3.6 | 159.0 | 114.0 | 1246.8 | 11.9 |
| | | | Min | I | -2.8 | -3.5 | -124.6 | -95.8 | -26.3 | -12.0 |
| | | | | CNT | -2.8 | -3.5 | -124.6 | -95.8 | -26.9 | -12.1 |
| | | | | J | -2.8 | -3.5 | -124.6 | -95.8 | -27.6 | -12.2 |
| | | | pp | I | 0.0 | -0.0 | 39.4 | 3.0 | 1547.5 | -0.6 |
| | | | | CNT | 0.0 | -0.0 | 45.8 | 3.0 | 1536.9 | -0.6 |
| | | | | J | 0.0 | -0.0 | 52.1 | 3.0 | 1524.6 | -0.6 |
| | | | perm | I | 0.0 | -0.0 | 11.9 | 5.1 | 452.2 | -1.0 |
| | | | | CNT | 0.0 | -0.0 | 13.4 | 5.1 | 449.1 | -1.0 |
| | | | | J | 0.0 | -0.0 | 14.9 | 5.1 | 445.5 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 400 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 164.2 | 120.6 | 1246.9 | 11.9 |
| | | | | CNT | 1.0 | 3.6 | 164.2 | 120.6 | 1231.3 | 11.8 |
| | | | | J | 1.0 | 3.6 | 164.2 | 120.6 | 1227.5 | 11.9 |
| | | | Min | I | -2.8 | -3.5 | -119.9 | -98.8 | -27.6 | -12.0 |
| | | | | CNT | -2.8 | -3.5 | -119.9 | -98.8 | -28.2 | -12.0 |
| | | | | J | -2.8 | -3.5 | -119.9 | -98.8 | -28.9 | -12.1 |
| | | | pp | I | 0.0 | -0.0 | 52.5 | 3.9 | 1524.6 | -0.6 |
| | | | | CNT | 0.0 | -0.0 | 58.8 | 3.9 | 1510.7 | -0.6 |
| | | | | J | 0.0 | -0.0 | 65.2 | 3.9 | 1495.2 | -0.5 |
| | | | perm | I | 0.0 | -0.1 | 15.7 | 6.6 | 445.5 | -1.0 |
| | | | | CNT | 0.0 | -0.1 | 17.2 | 6.6 | 441.4 | -0.9 |
| | | | | J | 0.0 | -0.1 | 18.7 | 6.6 | 436.9 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 401 | 1 | 1 c mobili | Max | I | 1.0 | 3.6 | 169.5 | 127.7 | 1227.6 | 12.0 |
| | | | | CNT | 1.0 | 3.6 | 169.5 | 127.7 | 1208.8 | 11.9 |
| | | | | J | 1.0 | 3.6 | 169.5 | 127.7 | 1203.4 | 12.0 |
| | | | Min | I | -2.8 | -3.4 | -115.1 | -102.2 | -28.9 | -11.9 |
| | | | | CNT | -2.8 | -3.4 | -115.1 | -102.2 | -29.5 | -12.0 |

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|-----|---|--------------|------------|--------------|------|--------|--------|--------|--------|-------|
| | | | J | -2.8 | -3.4 | -115.1 | -102.2 | -30.2 | -12.0 | |
| | | PP | I | 0.0 | -0.0 | 65.6 | 4.7 | 1495.2 | -0.6 | |
| | | | CNT | 0.0 | -0.0 | 71.9 | 4.7 | 1478.0 | -0.5 | |
| | | | J | 0.0 | -0.0 | 78.3 | 4.7 | 1459.2 | -0.5 | |
| | | perm | I | 0.0 | -0.1 | 19.5 | 8.0 | 436.9 | -1.0 | |
| | | | CNT | 0.0 | -0.1 | 21.0 | 8.0 | 431.8 | -0.9 | |
| | | | J | 0.0 | -0.1 | 22.5 | 8.0 | 426.4 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 402 | 1 | 1 c mobili | Max | I | 1.0 | 3.7 | 174.9 | 135.2 | 1203.6 | 12.0 |
| | | | | CNT | 1.0 | 3.7 | 174.9 | 135.2 | 1181.4 | 11.9 |
| | | | | J | 1.0 | 3.7 | 174.9 | 135.2 | 1174.4 | 12.0 |
| | | | Min | I | -2.7 | -3.4 | -110.3 | -105.9 | -30.2 | -11.8 |
| | | | | CNT | -2.7 | -3.4 | -110.3 | -105.9 | -30.9 | -11.9 |
| | | | | J | -2.7 | -3.4 | -110.3 | -105.9 | -31.6 | -11.9 |
| | | PP | I | 0.0 | -0.1 | 78.6 | 5.6 | 1459.2 | -0.5 | |
| | | | CNT | 0.0 | -0.1 | 85.0 | 5.6 | 1438.7 | -0.5 | |
| | | | J | 0.0 | -0.1 | 91.4 | 5.6 | 1416.7 | -0.5 | |
| | | perm | I | 0.0 | -0.1 | 23.4 | 9.5 | 426.4 | -0.9 | |
| | | | CNT | 0.0 | -0.1 | 24.9 | 9.5 | 420.3 | -0.9 | |
| | | | J | 0.0 | -0.1 | 26.4 | 9.5 | 413.9 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 403 | 1 | 1 c mobili | Max | I | 1.0 | 3.7 | 180.4 | 142.6 | 1174.6 | 12.0 |
| | | | | CNT | 1.0 | 3.7 | 180.4 | 142.6 | 1149.0 | 11.9 |
| | | | | J | 1.0 | 3.7 | 180.4 | 142.6 | 1140.4 | 12.0 |
| | | | Min | I | -2.7 | -3.3 | -105.6 | -110.2 | -31.6 | -11.7 |
| | | | | CNT | -2.7 | -3.3 | -105.6 | -110.2 | -32.3 | -11.7 |
| | | | | J | -2.7 | -3.3 | -105.6 | -110.2 | -33.0 | -11.8 |
| | | PP | I | 0.0 | -0.1 | 91.7 | 6.4 | 1416.7 | -0.5 | |
| | | | CNT | 0.0 | -0.1 | 98.1 | 6.4 | 1393.0 | -0.5 | |
| | | | J | 0.0 | -0.1 | 104.4 | 6.4 | 1367.6 | -0.5 | |
| | | perm | I | 0.0 | -0.1 | 27.2 | 10.9 | 413.9 | -0.9 | |
| | | | CNT | 0.0 | -0.1 | 28.7 | 10.9 | 406.9 | -0.9 | |
| | | | J | 0.0 | -0.1 | 30.2 | 10.9 | 399.6 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 404 | 1 | 1 c mobili | Max | I | 1.0 | 3.7 | 186.1 | 149.9 | 1140.6 | 12.0 |
| | | | | CNT | 1.0 | 3.7 | 186.1 | 149.9 | 1111.6 | 11.9 |
| | | | | J | 1.0 | 3.7 | 186.1 | 149.9 | 1101.3 | 12.0 |
| | | | Min | I | -2.7 | -3.3 | -100.9 | -115.7 | -33.0 | -11.5 |
| | | | | CNT | -2.7 | -3.3 | -100.9 | -115.7 | -33.7 | -11.5 |
| | | | | J | -2.7 | -3.3 | -100.9 | -115.7 | -34.4 | -11.6 |
| | | PP | I | 0.0 | -0.1 | 104.8 | 7.2 | 1367.6 | -0.5 | |
| | | | CNT | 0.0 | -0.1 | 111.1 | 7.2 | 1340.6 | -0.5 | |
| | | | J | 0.0 | -0.1 | 117.5 | 7.2 | 1312.0 | -0.5 | |
| | | perm | I | 0.0 | -0.1 | 31.0 | 12.3 | 399.6 | -0.9 | |
| | | | CNT | 0.0 | -0.1 | 32.5 | 12.3 | 391.6 | -0.9 | |
| | | | J | 0.0 | -0.1 | 34.0 | 12.3 | 383.3 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 405 | 1 | 1 c mobili | Max | I | 1.0 | 3.7 | 192.0 | 156.8 | 1101.5 | 12.0 |
| | | | | CNT | 1.0 | 3.7 | 192.0 | 156.8 | 1068.9 | 11.9 |
| | | | | J | 1.0 | 3.7 | 192.0 | 156.8 | 1057.0 | 11.9 |
| | | | Min | I | -2.6 | -3.2 | -96.0 | -121.6 | -34.4 | -11.3 |
| | | | | CNT | -2.6 | -3.2 | -96.0 | -121.6 | -35.2 | -11.3 |
| | | | | J | -2.6 | -3.2 | -96.0 | -121.6 | -36.0 | -11.3 |
| | | PP | I | 0.0 | -0.1 | 117.8 | 8.0 | 1312.0 | -0.5 | |
| | | | CNT | 0.0 | -0.1 | 124.2 | 8.0 | 1281.8 | -0.5 | |
| | | | J | 0.0 | -0.1 | 130.6 | 8.0 | 1249.9 | -0.5 | |
| | | perm | I | 0.0 | -0.1 | 34.8 | 13.7 | 383.3 | -0.9 | |
| | | | CNT | 0.0 | -0.1 | 36.3 | 13.7 | 374.4 | -0.9 | |
| | | | J | 0.0 | -0.1 | 37.8 | 13.7 | 365.1 | -0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|--------------|-----|------------|--------------|-----|------------|--------------|-------|-------|--------|-------|-------|--------|------|
| 406 | 1 | 1 c mobili | Max | I | 1.0 | 3.8 | 198.0 | 163.2 | 1057.2 | 12.0 | | | |
| | | | | CNT | 1.0 | 3.8 | 198.0 | 163.2 | 1021.0 | 11.8 | | | |
| | | | | J | 1.0 | 3.8 | 198.0 | 163.2 | 1007.3 | 11.9 | | | |
| | | | | Min | I | -2.6 | -3.2 | -90.9 | -127.7 | -36.0 | -11.0 | | |
| | | | | | CNT | -2.6 | -3.2 | -90.9 | -127.7 | -36.8 | -11.0 | | |
| | | | | | J | -2.6 | -3.2 | -90.9 | -127.7 | -37.6 | -11.0 | | |
| | | | pp | I | 0.0 | -0.1 | 130.9 | 8.7 | 1249.9 | -0.5 | | | |
| | | | | CNT | 0.0 | -0.1 | 137.3 | 8.7 | 1216.4 | -0.4 | | | |
| | | | | J | 0.0 | -0.1 | 143.7 | 8.7 | 1181.2 | -0.4 | | | |
| | | | perm | I | 0.0 | -0.1 | 38.6 | 15.0 | 365.1 | -0.9 | | | |
| | | | | CNT | 0.0 | -0.1 | 40.1 | 15.0 | 355.2 | -0.8 | | | |
| | | | | J | 0.0 | -0.1 | 41.6 | 15.0 | 345.0 | -0.8 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 407 | 1 | 1 c mobili | Max | I | 1.0 | 3.8 | 204.3 | 169.1 | 1007.5 | 11.9 |
| | | | | | | | CNT | 1.0 | 3.8 | 204.3 | 169.1 | 967.4 | 11.7 |
| J | 1.0 | 3.8 | | | | | 204.3 | 169.1 | 952.0 | 11.7 | | | |
| Min | I | -2.6 | | | | | -3.1 | -85.5 | -134.0 | -37.6 | -10.7 | | |
| | CNT | -2.6 | | | | | -3.1 | -85.5 | -134.0 | -38.4 | -10.7 | | |
| | J | -2.6 | | | | | -3.1 | -85.5 | -134.0 | -39.2 | -10.7 | | |
| pp | I | 0.0 | | | | -0.1 | 144.0 | 9.4 | 1181.2 | -0.4 | | | |
| | CNT | 0.0 | | | | -0.1 | 150.3 | 9.4 | 1144.4 | -0.4 | | | |
| | J | 0.0 | | | | -0.1 | 156.7 | 9.4 | 1106.0 | -0.4 | | | |
| perm | I | 0.0 | | | | -0.2 | 42.5 | 16.3 | 345.0 | -0.8 | | | |
| | CNT | 0.0 | | | | -0.2 | 44.0 | 16.3 | 334.2 | -0.8 | | | |
| | J | 0.0 | | | | -0.2 | 45.5 | 16.3 | 323.0 | -0.7 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 408 | 1 | 1 c mobili | | | | Max | I | 1.0 | 3.8 | 210.9 | 174.4 | 952.2 | 11.8 |
| | | | | | | | CNT | 1.0 | 3.8 | 210.9 | 174.4 | 908.2 | 11.6 |
| | | | J | 1.0 | 3.8 | | 210.9 | 174.4 | 891.0 | 11.5 | | | |
| | | | Min | I | -2.5 | | -3.0 | -79.9 | -140.4 | -39.2 | -10.3 | | |
| | | | | CNT | -2.5 | | -3.0 | -79.9 | -140.4 | -40.1 | -10.3 | | |
| | | | | J | -2.5 | | -3.0 | -79.9 | -140.4 | -41.0 | -10.3 | | |
| | | | pp | I | 0.0 | -0.1 | 157.0 | 10.1 | 1106.0 | -0.4 | | | |
| | | | | CNT | 0.0 | -0.1 | 163.4 | 10.1 | 1066.0 | -0.4 | | | |
| | | | | J | 0.0 | -0.1 | 169.7 | 10.1 | 1024.3 | -0.3 | | | |
| | | | perm | I | 0.0 | -0.2 | 46.3 | 17.6 | 323.0 | -0.8 | | | |
| | | | | CNT | 0.0 | -0.2 | 47.8 | 17.6 | 311.2 | -0.7 | | | |
| | | | | J | 0.0 | -0.2 | 49.3 | 17.6 | 299.1 | -0.7 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 409 | 1 | 1 c mobili | Max | I | 1.0 | 3.9 | 217.7 | 179.0 | 891.2 | 11.6 |
| | | | | | | | CNT | 1.0 | 3.9 | 217.7 | 179.0 | 842.9 | 11.3 |
| J | 1.0 | 3.9 | | | | | 217.7 | 179.0 | 823.8 | 11.3 | | | |
| Min | I | -2.5 | | | | | -2.8 | -73.9 | -146.9 | -41.0 | -9.9 | | |
| | CNT | -2.5 | | | | | -2.8 | -73.9 | -146.9 | -41.9 | -9.8 | | |
| | J | -2.5 | | | | | -2.8 | -73.9 | -146.9 | -42.8 | -9.8 | | |
| pp | I | 0.0 | | | | -0.1 | 170.0 | 10.7 | 1024.3 | -0.4 | | | |
| | CNT | 0.0 | | | | -0.1 | 176.4 | 10.7 | 981.0 | -0.3 | | | |
| | J | 0.0 | | | | -0.1 | 182.8 | 10.7 | 936.1 | -0.3 | | | |
| perm | I | 0.0 | | | | -0.2 | 50.1 | 18.8 | 299.0 | -0.7 | | | |
| | CNT | 0.0 | | | | -0.2 | 51.6 | 18.8 | 286.3 | -0.7 | | | |
| | J | 0.0 | | | | -0.2 | 53.1 | 18.8 | 273.3 | -0.6 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 410 | 1 | 1 c mobili | | | | Max | I | 1.0 | 3.9 | 225.0 | 183.1 | 824.0 | 11.3 |
| | | | | | | | CNT | 1.0 | 3.9 | 225.0 | 183.1 | 771.4 | 11.0 |
| | | | J | 1.0 | 3.9 | | 225.0 | 183.1 | 750.2 | 10.9 | | | |
| | | | Min | I | -2.5 | | -2.7 | -67.5 | -153.5 | -42.8 | -9.3 | | |
| | | | | CNT | -2.5 | | -2.7 | -67.5 | -153.5 | -43.8 | -9.3 | | |
| | | | | J | -2.5 | | -2.7 | -67.5 | -153.5 | -44.7 | -9.2 | | |
| | | | pp | I | 0.0 | -0.1 | 183.0 | 11.2 | 936.0 | -0.3 | | | |
| | | | | CNT | 0.0 | -0.1 | 189.4 | 11.2 | 889.5 | -0.3 | | | |
| | | | | J | 0.0 | -0.1 | 195.7 | 11.2 | 841.4 | -0.2 | | | |
| | | | perm | I | 0.0 | -0.2 | 53.8 | 19.9 | 273.2 | -0.6 | | | |
| | | | | CNT | 0.0 | -0.2 | 55.3 | 19.9 | 259.6 | -0.6 | | | |
| | | | | J | 0.0 | -0.2 | 56.8 | 19.9 | 245.6 | -0.5 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|--|---|------------|------|-----|------|------|-------|--------|-------|-------|------|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 411 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 232.6 | 186.6 | 750.4 | 10.8 | |
| | | | | CNT | 1.0 | 4.0 | 232.6 | 186.6 | 694.0 | 10.5 | |
| | | | | J | 1.0 | 4.0 | 232.6 | 186.6 | 669.9 | 10.3 | |
| | | | Min | I | -2.4 | -2.5 | -60.6 | -160.0 | -44.7 | -8.7 | |
| | | | | CNT | -2.4 | -2.5 | -60.6 | -160.0 | -45.8 | -8.6 | |
| | | | | J | -2.4 | -2.5 | -60.6 | -160.0 | -46.8 | -8.5 | |
| | | | | PP | I | 0.0 | -0.1 | 195.9 | 11.7 | 841.3 | -0.2 |
| | | | | CNT | 0.0 | -0.1 | 202.3 | 11.7 | 791.5 | -0.2 | |
| | | | | J | 0.0 | -0.1 | 208.7 | 11.7 | 740.2 | -0.2 | |
| | | | perm | I | 0.0 | -0.2 | 57.6 | 20.9 | 245.5 | -0.6 | |
| | | | | CNT | 0.0 | -0.2 | 59.1 | 20.9 | 230.9 | -0.5 | |
| | | | | J | 0.0 | -0.2 | 60.6 | 20.9 | 216.0 | -0.4 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 412 | 1 | 1 c mobili | Max | I | 1.0 | 4.0 | 240.8 | 189.6 | 670.1 | 10.2 | |
| | | | | CNT | 1.0 | 4.0 | 240.8 | 189.6 | 610.3 | 9.8 | |
| | | | | J | 1.0 | 4.0 | 240.8 | 189.6 | 582.3 | 9.5 | |
| | | | Min | I | -2.4 | -2.3 | -53.0 | -166.0 | -46.8 | -7.9 | |
| | | | | CNT | -2.4 | -2.3 | -53.0 | -166.0 | -47.9 | -7.8 | |
| | | | | J | -2.4 | -2.3 | -53.0 | -166.0 | -49.0 | -7.7 | |
| | | | | PP | I | -0.0 | -0.1 | 208.8 | 12.0 | 740.1 | -0.2 |
| | | | | CNT | -0.0 | -0.1 | 215.1 | 12.0 | 687.1 | -0.1 | |
| | | | | J | -0.0 | -0.1 | 221.5 | 12.0 | 632.5 | -0.1 | |
| | | | perm | I | 0.0 | -0.2 | 61.2 | 21.8 | 215.9 | -0.5 | |
| | | | | CNT | 0.0 | -0.2 | 62.7 | 21.8 | 200.4 | -0.4 | |
| | | | | J | 0.0 | -0.2 | 64.2 | 21.8 | 184.6 | -0.3 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 413 | 1 | 1 c mobili | Max | I | 0.9 | 4.1 | 249.7 | 192.2 | 582.5 | 9.4 | |
| | | | | CNT | 0.9 | 4.1 | 249.7 | 192.2 | 520.4 | 8.9 | |
| | | | | J | 0.9 | 4.1 | 249.7 | 192.2 | 486.8 | 8.5 | |
| | | | Min | I | -2.3 | -2.1 | -44.4 | -171.1 | -49.0 | -7.0 | |
| | | | | CNT | -2.3 | -2.1 | -44.4 | -171.1 | -50.2 | -6.9 | |
| | | | | J | -2.3 | -2.1 | -44.4 | -171.1 | -51.4 | -6.8 | |
| | | | | PP | I | -0.0 | -0.1 | 221.5 | 12.3 | 632.5 | -0.1 |
| | | | | CNT | -0.0 | -0.1 | 227.8 | 12.3 | 576.3 | -0.0 | |
| | | | | J | -0.0 | -0.1 | 234.2 | 12.3 | 518.6 | -0.0 | |
| | | | perm | I | -0.0 | -0.2 | 64.8 | 22.5 | 184.5 | -0.3 | |
| | | | | CNT | -0.0 | -0.2 | 66.3 | 22.5 | 168.1 | -0.3 | |
| | | | | J | -0.0 | -0.2 | 67.8 | 22.5 | 151.4 | -0.2 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 414 | 1 | 1 c mobili | Max | I | 0.9 | 4.2 | 259.4 | 194.8 | 487.0 | 8.3 | |
| | | | | CNT | 0.9 | 4.2 | 259.4 | 194.8 | 422.4 | 7.8 | |
| | | | | J | 0.9 | 4.2 | 259.4 | 194.8 | 382.6 | 7.3 | |
| | | | Min | I | -2.2 | -1.9 | -34.0 | -174.5 | -51.4 | -6.0 | |
| | | | | CNT | -2.2 | -1.9 | -34.0 | -174.5 | -52.7 | -5.9 | |
| | | | | J | -2.2 | -1.9 | -34.0 | -174.5 | -54.0 | -5.7 | |
| | | | | PP | I | -0.1 | -0.1 | 234.0 | 12.3 | 518.5 | 0.0 |
| | | | | CNT | -0.1 | -0.1 | 240.4 | 12.3 | 459.2 | 0.0 | |
| | | | | J | -0.1 | -0.1 | 246.8 | 12.3 | 398.3 | 0.0 | |
| | | | perm | I | -0.0 | -0.2 | 68.3 | 22.9 | 151.3 | -0.2 | |
| | | | | CNT | -0.0 | -0.2 | 69.8 | 22.9 | 134.0 | -0.1 | |
| | | | | J | -0.0 | -0.2 | 71.3 | 22.9 | 116.4 | -0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 415 | 1 | 1 c mobili | Max | I | 0.8 | 4.2 | 270.5 | 197.4 | 382.8 | 6.9 | |
| | | | | CNT | 0.8 | 4.2 | 270.5 | 197.4 | 315.4 | 6.3 | |
| | | | | J | 0.8 | 4.2 | 270.5 | 197.4 | 268.5 | 5.7 | |
| | | | Min | I | -2.1 | -1.6 | -23.6 | -175.3 | -54.0 | -5.0 | |
| | | | | CNT | -2.1 | -1.6 | -23.6 | -175.3 | -55.4 | -4.8 | |
| | | | | J | -2.1 | -1.6 | -23.6 | -175.3 | -56.8 | -4.7 | |
| | | | | PP | I | -0.1 | -0.0 | 246.3 | 12.1 | 398.3 | 0.1 |
| | | | | CNT | -0.1 | -0.0 | 252.7 | 12.1 | 335.9 | 0.1 | |
| | | | | J | -0.1 | -0.0 | 259.0 | 12.1 | 271.9 | 0.1 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|--------------|------------|-----------------------|------|------|--------|--------|-------|------|
| | | | perm | I | -0.1 | -0.2 | 71.5 | 23.0 | 116.4 | -0.1 |
| | | | | CNT | -0.1 | -0.2 | 73.0 | 23.0 | 98.3 | -0.0 |
| | | | | J | -0.1 | -0.2 | 74.5 | 23.0 | 79.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 416 | 1 | 1 c mobili | Max | I | 0.8 | 4.2 | 283.9 | 193.7 | 268.7 | 5.3 |
| | | | | CNT | 0.8 | 4.2 | 283.9 | 193.7 | 197.9 | 4.4 |
| | | | | J | 0.8 | 4.2 | 283.9 | 193.7 | 142.1 | 3.8 |
| | | | Min | I | -1.8 | -1.5 | -16.0 | -171.7 | -56.8 | -3.8 |
| | | | | CNT | -1.8 | -1.5 | -16.0 | -171.7 | -58.3 | -3.7 |
| | | | | J | -1.8 | -1.5 | -16.0 | -171.7 | -59.8 | -3.6 |
| | | | pp | I | -0.2 | 0.0 | 258.2 | 11.6 | 271.9 | 0.2 |
| | | | | CNT | -0.2 | 0.0 | 264.6 | 11.6 | 206.5 | 0.1 |
| | | | | J | -0.2 | 0.0 | 270.9 | 11.6 | 139.6 | 0.1 |
| | | | perm | I | -0.1 | -0.2 | 74.4 | 22.6 | 79.8 | 0.1 |
| | | | | CNT | -0.1 | -0.2 | 75.9 | 22.6 | 61.0 | 0.1 |
| | | | | J | -0.1 | -0.2 | 77.4 | 22.6 | 41.9 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 417 | 1 | 1 c mobili | Max | I | 0.8 | 4.1 | 301.9 | 190.6 | 142.2 | 3.5 |
| | | | | CNT | 0.8 | 4.1 | 301.9 | 190.6 | 67.4 | 2.6 |
| | | | | J | 0.8 | 4.1 | 301.9 | 190.6 | 28.3 | 1.7 |
| | | | Min | I | -1.4 | -1.3 | -5.9 | -161.6 | -59.8 | -2.9 |
| | | | | CNT | -1.4 | -1.3 | -5.9 | -161.6 | -61.6 | -2.9 |
| | | | | J | -1.4 | -1.3 | -5.9 | -161.6 | -73.7 | -3.0 |
| | | | pp | I | -0.2 | 0.1 | 269.5 | 10.5 | 139.5 | 0.2 |
| | | | | CNT | -0.2 | 0.1 | 275.9 | 10.5 | 71.3 | 0.2 |
| | | | | J | -0.2 | 0.1 | 282.3 | 10.5 | 1.6 | 0.1 |
| | | | perm | I | -0.1 | -0.1 | 76.8 | 21.3 | 41.8 | 0.2 |
| | | | | CNT | -0.1 | -0.1 | 78.3 | 21.3 | 22.4 | 0.2 |
| | | | | J | -0.1 | -0.1 | 79.8 | 21.3 | 2.6 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 418 | 1 | 1 c mobili | Max | I | 0.6 | 3.8 | 45.7 | 179.3 | 28.0 | 1.6 |
| | | | | CNT | 0.6 | 3.8 | 45.7 | 179.3 | 16.5 | 1.1 |
| | | | | J | 0.6 | 3.8 | 45.7 | 179.3 | 5.7 | 1.1 |
| | | | Min | I | -1.0 | -1.1 | -143.7 | -148.9 | -73.6 | -2.2 |
| | | | | CNT | -1.0 | -1.1 | -143.7 | -148.9 | -37.7 | -2.2 |
| | | | | J | -1.0 | -1.1 | -143.7 | -148.9 | -7.7 | -2.4 |
| | | | pp | I | -0.2 | 0.1 | -4.9 | 8.6 | 1.5 | 0.1 |
| | | | | CNT | -0.2 | 0.1 | 1.5 | 8.6 | 1.9 | 0.1 |
| | | | | J | -0.2 | 0.1 | 7.9 | 8.6 | 0.8 | 0.1 |
| | | | perm | I | -0.1 | -0.1 | 2.2 | 18.6 | 2.6 | 0.2 |
| | | | | CNT | -0.1 | -0.1 | 3.7 | 18.6 | 1.9 | 0.2 |
| | | | | J | -0.1 | -0.1 | 5.2 | 18.6 | 0.8 | 0.2 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 419 | 2 | 4 c mobili | Max | I | 1.7 | 0.7 | 84.3 | 18.6 | 20.0 | 0.7 |
| | | | | CNT | 1.7 | 0.7 | 84.3 | 18.6 | 29.0 | 0.7 |
| | | | | J | 1.7 | 0.7 | 84.3 | 18.6 | 45.6 | 0.7 |
| | | | Min | I | -0.6 | -0.7 | -87.2 | -15.0 | -41.6 | -0.7 |
| | | | | CNT | -0.6 | -0.7 | -87.2 | -15.0 | -52.0 | -0.7 |
| | | | | J | -0.6 | -0.7 | -87.2 | -15.0 | -74.1 | -0.8 |
| | | | pp | I | 0.2 | -0.1 | 13.6 | 1.7 | -2.5 | 0.1 |
| | | | | CNT | 0.2 | -0.1 | 13.6 | 1.7 | -6.6 | 0.1 |
| | | | | J | 0.2 | -0.1 | 13.6 | 1.7 | -10.6 | 0.1 |
| | | | perm | I | 0.1 | -0.1 | 16.5 | 2.5 | 1.0 | -0.0 |
| | | | | CNT | 0.1 | -0.1 | 16.5 | 2.5 | -3.9 | 0.0 |
| | | | | J | 0.1 | -0.1 | 16.5 | 2.5 | -8.9 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 420 | 2 | 3 c mobili | Max | I | 0.2 | 0.2 | 7.2 | 1.1 | 2.2 | 0.2 |
| | | | | CNT | 0.2 | 0.2 | 7.2 | 1.1 | 0.2 | 0.2 |
| | | | | J | 0.2 | 0.2 | 7.2 | 1.1 | 2.6 | 0.3 |
| | | | Min | I | -0.8 | -0.2 | -9.7 | -0.9 | -3.4 | -0.2 |
| | | | | CNT | -0.8 | -0.2 | -9.7 | -0.9 | -0.6 | -0.3 |
| | | | | J | -0.8 | -0.2 | -9.7 | -0.9 | -2.2 | -0.3 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------|------------|------|------|------------------|------|------|------|
| | | | pp | I | 0.0 | -0.0 | 2.1 | 0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | -0.0 | 2.1 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | -0.0 | 2.1 | 0.1 | -0.7 | 0.0 |
| | | | perm | I | 0.0 | -0.0 | 2.0 | 0.2 | 0.6 | 0.0 |
| | | | | CNT | 0.0 | -0.0 | 2.0 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | -0.0 | 2.0 | 0.2 | -0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 421 | 2 | 3 c mobili | Max | I | 0.3 | 0.3 | 4.2 | 1.1 | 1.4 | 0.2 |
| | | | | CNT | 0.3 | 0.3 | 4.2 | 1.1 | 0.5 | 0.2 |
| | | | | J | 0.3 | 0.3 | 4.2 | 1.1 | 1.4 | 0.3 |
| | | | Min | I | -0.9 | -0.4 | -5.9 | -0.9 | -2.4 | -0.2 |
| | | | | CNT | -0.9 | -0.4 | -5.9 | -0.9 | -0.9 | -0.3 |
| | | | | J | -0.9 | -0.4 | -5.9 | -0.9 | -1.2 | -0.3 |
| | | | pp | I | -0.0 | 0.0 | 1.3 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 1.3 | 0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | 1.3 | 0.1 | -0.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.9 | 0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.2 | -0.3 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 422 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 2.7 | 1.1 | 1.2 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 2.7 | 1.1 | 0.8 | 0.2 |
| | | | | J | 0.3 | 0.4 | 2.7 | 1.1 | 1.2 | 0.3 |
| | | | Min | I | -1.0 | -0.4 | -3.4 | -0.9 | -1.9 | -0.2 |
| | | | | CNT | -1.0 | -0.4 | -3.4 | -0.9 | -1.3 | -0.3 |
| | | | | J | -1.0 | -0.4 | -3.4 | -0.9 | -1.3 | -0.4 |
| | | | pp | I | -0.0 | 0.0 | 0.8 | 0.1 | 0.0 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.8 | 0.1 | -0.2 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.8 | 0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.1 | 0.2 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.1 | 0.2 | 0.2 | -0.1 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 423 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 2.4 | 1.1 | 1.2 | 0.1 |
| | | | | CNT | 0.3 | 0.4 | 2.4 | 1.1 | 1.2 | 0.2 |
| | | | | J | 0.3 | 0.4 | 2.4 | 1.1 | 1.6 | 0.3 |
| | | | Min | I | -0.9 | -0.4 | -1.9 | -0.9 | -1.5 | -0.2 |
| | | | | CNT | -0.9 | -0.4 | -1.9 | -0.9 | -1.6 | -0.3 |
| | | | | J | -0.9 | -0.4 | -1.9 | -0.9 | -2.0 | -0.4 |
| | | | pp | I | -0.0 | 0.0 | 0.4 | 0.1 | -0.1 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.4 | 0.1 | -0.2 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.4 | 0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.1 | -0.2 | 0.2 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.1 | -0.2 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.1 | -0.2 | 0.2 | 0.0 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 424 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 3.1 | 1.1 | 1.3 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 3.1 | 1.1 | 1.5 | 0.2 |
| | | | | J | 0.4 | 0.4 | 3.1 | 1.1 | 2.1 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -2.1 | -0.9 | -1.3 | -0.2 |
| | | | | CNT | -0.8 | -0.4 | -2.1 | -0.9 | -1.9 | -0.3 |
| | | | | J | -0.8 | -0.4 | -2.1 | -0.9 | -2.6 | -0.4 |
| | | | pp | I | -0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| | | | | J | -0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.6 | 0.2 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.6 | 0.2 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.6 | 0.2 | 0.1 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 425 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 4.0 | 1.1 | 1.4 | 0.1 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|------|------|------|------|------|------|
| | | | | CNT | 0.4 | 0.4 | 4.0 | 1.1 | 1.9 | 0.2 |
| | | | | J | 0.4 | 0.4 | 4.0 | 1.1 | 2.6 | 0.3 |
| | | Min | | I | -0.8 | -0.4 | -2.7 | -0.9 | -1.3 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -2.7 | -0.9 | -2.1 | -0.2 |
| | | | | J | -0.8 | -0.4 | -2.7 | -0.9 | -3.2 | -0.4 |
| | | PP | | I | -0.0 | 0.0 | -0.0 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.0 | 0.1 | -0.3 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.0 | 0.1 | -0.3 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -0.8 | 0.2 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | 0.2 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | 0.2 | 0.2 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 426 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 4.7 | 1.0 | 1.6 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 4.7 | 1.0 | 2.2 | 0.2 |
| | | | | J | 0.4 | 0.4 | 4.7 | 1.0 | 3.0 | 0.3 |
| | | Min | | I | -0.8 | -0.4 | -3.1 | -0.8 | -1.4 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -3.1 | -0.8 | -2.3 | -0.2 |
| | | | | J | -0.8 | -0.4 | -3.1 | -0.8 | -3.6 | -0.4 |
| | | PP | | I | -0.0 | 0.0 | -0.2 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.2 | 0.1 | -0.3 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.2 | 0.1 | -0.3 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | -1.0 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.0 | 0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | -1.0 | 0.1 | 0.2 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 427 | 2 | 3 c mobili | Max | I | 0.4 | 0.5 | 5.3 | 1.0 | 1.8 | 0.1 |
| | | | | CNT | 0.4 | 0.5 | 5.3 | 1.0 | 2.5 | 0.2 |
| | | | | J | 0.4 | 0.5 | 5.3 | 1.0 | 3.4 | 0.3 |
| | | Min | | I | -0.8 | -0.3 | -3.6 | -0.8 | -1.4 | -0.1 |
| | | | | CNT | -0.8 | -0.3 | -3.6 | -0.8 | -2.5 | -0.2 |
| | | | | J | -0.8 | -0.3 | -3.6 | -0.8 | -4.0 | -0.4 |
| | | PP | | I | -0.0 | 0.0 | -0.3 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | 0.1 | -0.4 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | 0.1 | -0.3 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | -1.1 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.1 | 0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | -1.1 | 0.1 | 0.3 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 428 | 2 | 3 c mobili | Max | I | 0.4 | 0.5 | 5.8 | 1.0 | 2.0 | 0.1 |
| | | | | CNT | 0.4 | 0.5 | 5.8 | 1.0 | 2.7 | 0.2 |
| | | | | J | 0.4 | 0.5 | 5.8 | 1.0 | 3.8 | 0.3 |
| | | Min | | I | -0.8 | -0.3 | -3.9 | -0.8 | -1.5 | -0.1 |
| | | | | CNT | -0.8 | -0.3 | -3.9 | -0.8 | -2.6 | -0.2 |
| | | | | J | -0.8 | -0.3 | -3.9 | -0.8 | -4.3 | -0.4 |
| | | PP | | I | -0.0 | 0.0 | -0.3 | 0.1 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.3 | 0.1 | -0.4 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.3 | 0.1 | -0.3 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | -1.2 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.2 | 0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | -1.2 | 0.1 | 0.3 | -0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 429 | 2 | 3 c mobili | Max | I | 0.5 | 0.5 | 6.2 | 0.9 | 2.1 | 0.1 |
| | | | | CNT | 0.5 | 0.5 | 6.2 | 0.9 | 3.0 | 0.2 |
| | | | | J | 0.5 | 0.5 | 6.2 | 0.9 | 4.1 | 0.3 |
| | | Min | | I | -0.8 | -0.3 | -4.2 | -0.7 | -1.6 | -0.1 |
| | | | | CNT | -0.8 | -0.3 | -4.2 | -0.7 | -2.7 | -0.2 |
| | | | | J | -0.8 | -0.3 | -4.2 | -0.7 | -4.5 | -0.4 |
| | | PP | | I | -0.0 | 0.0 | -0.4 | 0.1 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.4 | 0.1 | -0.4 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.4 | 0.1 | -0.3 | 0.0 |
| | | perm | | I | -0.0 | 0.0 | -1.3 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.3 | 0.1 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | -1.3 | 0.1 | 0.3 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 430 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 6.5 | 0.9 | 2.3 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 6.5 | 0.9 | 3.2 | 0.2 |
| | | | J | 0.5 | 0.4 | 6.5 | 0.9 | 4.4 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -4.5 | -0.7 | -1.7 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -4.5 | -0.7 | -2.9 | -0.2 |
| | | | J | -0.8 | -0.3 | -4.5 | -0.7 | -4.7 | -0.4 |
| | | pp | I | -0.0 | -0.0 | -0.4 | 0.1 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.4 | 0.1 | -0.4 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.4 | 0.1 | -0.3 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.3 | 0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -1.3 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.3 | 0.1 | 0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 431 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 6.7 | 0.8 | 2.5 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 6.7 | 0.8 | 3.4 | 0.2 |
| | | | J | 0.5 | 0.4 | 6.7 | 0.8 | 4.7 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -4.7 | -0.7 | -1.8 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -4.7 | -0.7 | -3.1 | -0.2 |
| | | | J | -0.8 | -0.3 | -4.7 | -0.7 | -4.8 | -0.4 |
| | | pp | I | -0.0 | -0.0 | -0.5 | 0.1 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.5 | 0.1 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.5 | 0.1 | -0.3 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.4 | 0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -1.4 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.4 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 432 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 6.9 | 0.8 | 2.7 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 6.9 | 0.8 | 3.6 | 0.2 |
| | | | J | 0.5 | 0.4 | 6.9 | 0.8 | 4.9 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -4.9 | -0.6 | -1.9 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -4.9 | -0.6 | -3.2 | -0.2 |
| | | | J | -0.8 | -0.3 | -4.9 | -0.6 | -4.9 | -0.4 |
| | | pp | I | -0.0 | -0.0 | -0.5 | 0.1 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.5 | 0.1 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.5 | 0.1 | -0.3 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.4 | 0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -1.4 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.4 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 433 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 7.0 | 0.8 | 2.8 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 7.0 | 0.8 | 3.8 | 0.2 |
| | | | J | 0.5 | 0.4 | 7.0 | 0.8 | 5.1 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -5.0 | -0.6 | -2.0 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -5.0 | -0.6 | -3.3 | -0.2 |
| | | | J | -0.8 | -0.3 | -5.0 | -0.6 | -5.0 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.5 | 0.1 | -0.6 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.5 | 0.1 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.5 | 0.1 | -0.3 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.5 | 0.1 | -0.5 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -1.5 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.5 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 434 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 7.1 | 0.7 | 2.9 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 7.1 | 0.7 | 3.9 | 0.2 |
| | | | J | 0.5 | 0.4 | 7.1 | 0.7 | 5.2 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -5.1 | -0.6 | -2.0 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -5.1 | -0.6 | -3.3 | -0.2 |
| | | | J | -0.8 | -0.3 | -5.1 | -0.6 | -5.0 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.6 | 0.1 | -0.7 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.6 | 0.1 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.6 | 0.1 | -0.3 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.5 | 0.1 | -0.5 | -0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|
| | | | CNT | -0.0 | -0.0 | -1.5 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.5 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 435 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 7.2 | 0.7 | 3.0 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 7.2 | 0.7 | 4.0 | 0.2 |
| | | | J | 0.5 | 0.4 | 7.2 | 0.7 | 5.4 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -5.2 | -0.5 | -2.1 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -5.2 | -0.5 | -3.4 | -0.2 |
| | | | J | -0.8 | -0.3 | -5.2 | -0.5 | -5.0 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.3 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.5 | 0.1 | -0.5 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -1.5 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.5 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 436 | 2 | 3 c mobili | Max I | 0.5 | 0.4 | 7.3 | 0.6 | 3.1 | 0.1 |
| | | | CNT | 0.5 | 0.4 | 7.3 | 0.6 | 4.1 | 0.2 |
| | | | J | 0.5 | 0.4 | 7.3 | 0.6 | 5.5 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -5.3 | -0.5 | -2.1 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -5.3 | -0.5 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.3 | -5.3 | -0.5 | -5.0 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.5 | 0.1 | -0.5 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -1.5 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.5 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 437 | 2 | 3 c mobili | Max I | 0.4 | 0.4 | 7.4 | 0.6 | 3.2 | 0.1 |
| | | | CNT | 0.4 | 0.4 | 7.4 | 0.6 | 4.2 | 0.2 |
| | | | J | 0.4 | 0.4 | 7.4 | 0.6 | 5.5 | 0.2 |
| | | Min | I | -0.8 | -0.3 | -5.4 | -0.5 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -5.4 | -0.5 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.3 | -5.4 | -0.5 | -5.1 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.6 | 0.1 | -0.5 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -1.6 | 0.1 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.6 | 0.1 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 438 | 2 | 3 c mobili | Max I | 0.4 | 0.4 | 7.4 | 0.5 | 3.3 | 0.1 |
| | | | CNT | 0.4 | 0.4 | 7.4 | 0.5 | 4.2 | 0.2 |
| | | | J | 0.4 | 0.4 | 7.4 | 0.5 | 5.6 | 0.3 |
| | | Min | I | -0.8 | -0.3 | -5.4 | -0.4 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.3 | -5.4 | -0.4 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.3 | -5.4 | -0.4 | -5.2 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.5 | 0.0 |
| | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | perm | I | -0.0 | -0.0 | -1.6 | 0.0 | -0.5 | -0.0 |
| | | | CNT | -0.0 | -0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | J | -0.0 | -0.0 | -1.6 | 0.0 | 0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 439 | 2 | 3 c mobili | Max I | 0.4 | 0.4 | 7.4 | 0.5 | 3.3 | 0.1 |
| | | | CNT | 0.4 | 0.4 | 7.4 | 0.5 | 4.3 | 0.2 |
| | | | J | 0.4 | 0.4 | 7.4 | 0.5 | 5.6 | 0.3 |
| | | Min | I | -0.8 | -0.4 | -5.5 | -0.4 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.4 | -5.5 | -0.4 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.4 | -5.5 | -0.4 | -5.2 | -0.3 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|------|------|------|------|------|------|
| | | | PP | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -1.6 | 0.0 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | | J | -0.0 | -0.0 | -1.6 | 0.0 | 0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 440 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 7.4 | 0.5 | 3.3 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 7.4 | 0.5 | 4.3 | 0.2 |
| | | | | J | 0.4 | 0.4 | 7.4 | 0.5 | 5.6 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.5 | -0.4 | -2.2 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.5 | -0.4 | -3.6 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.5 | -0.4 | -5.2 | -0.3 |
| | | | PP | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.5 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -1.6 | 0.0 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | | J | -0.0 | -0.0 | -1.6 | 0.0 | 0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 441 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 7.5 | 0.4 | 3.4 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 7.5 | 0.4 | 4.3 | 0.2 |
| | | | | J | 0.4 | 0.4 | 7.5 | 0.4 | 5.6 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.5 | -0.4 | -2.3 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.5 | -0.4 | -3.6 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.5 | -0.4 | -5.3 | -0.3 |
| | | | PP | I | -0.0 | -0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | -0.0 | -0.0 | -0.6 | 0.0 | -0.6 | 0.0 |
| | | | | J | -0.0 | -0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | -0.0 | -1.6 | 0.0 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | | J | -0.0 | -0.0 | -1.6 | 0.0 | 0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 442 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 7.5 | 0.4 | 3.3 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 7.5 | 0.4 | 4.3 | 0.2 |
| | | | | J | 0.4 | 0.4 | 7.5 | 0.4 | 5.6 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.5 | -0.4 | -2.3 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.5 | -0.4 | -3.6 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.5 | -0.4 | -5.3 | -0.3 |
| | | | PP | I | -0.0 | 0.0 | -0.6 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.6 | 0.0 | -0.6 | 0.0 |
| | | | | J | -0.0 | 0.0 | -0.6 | 0.0 | -0.4 | 0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.6 | 0.0 | -0.6 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | | J | -0.0 | 0.0 | -1.6 | 0.0 | 0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 443 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 7.5 | 0.4 | 3.4 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 7.5 | 0.4 | 4.3 | 0.2 |
| | | | | J | 0.4 | 0.4 | 7.5 | 0.4 | 5.6 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.5 | -0.4 | -2.3 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.5 | -0.4 | -3.6 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.5 | -0.4 | -5.3 | -0.3 |
| | | | PP | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.6 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.4 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.6 | -0.0 | -0.6 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.6 | -0.0 | -0.1 | -0.0 |
| | | | | J | -0.0 | 0.0 | -1.6 | -0.0 | 0.4 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 444 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 7.4 | 0.4 | 3.3 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 7.4 | 0.4 | 4.3 | 0.2 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|----------------|------------------|------|------|------|------|------|------|
| | | | J | 0.4 | 0.4 | 7.4 | 0.4 | 5.6 | 0.3 |
| | | Min | I | -0.8 | -0.4 | -5.5 | -0.5 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.4 | -5.5 | -0.5 | -3.6 | -0.2 |
| | | | J | -0.8 | -0.4 | -5.5 | -0.5 | -5.2 | -0.3 |
| | | pp | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -1.6 | -0.0 | -0.6 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -1.6 | -0.0 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | -1.6 | -0.0 | 0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 445 | 2 | 3 c mobili Max | I | 0.4 | 0.4 | 7.4 | 0.4 | 3.3 | 0.1 |
| | | | CNT | 0.4 | 0.4 | 7.4 | 0.4 | 4.3 | 0.2 |
| | | | J | 0.4 | 0.4 | 7.4 | 0.4 | 5.6 | 0.3 |
| | | Min | I | -0.8 | -0.4 | -5.5 | -0.5 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.4 | -5.5 | -0.5 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.4 | -5.5 | -0.5 | -5.2 | -0.3 |
| | | pp | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -1.6 | -0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -1.6 | -0.0 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | -1.6 | -0.0 | 0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 446 | 2 | 3 c mobili Max | I | 0.4 | 0.3 | 7.4 | 0.4 | 3.3 | 0.1 |
| | | | CNT | 0.4 | 0.3 | 7.4 | 0.4 | 4.2 | 0.2 |
| | | | J | 0.4 | 0.3 | 7.4 | 0.4 | 5.6 | 0.3 |
| | | Min | I | -0.8 | -0.4 | -5.4 | -0.5 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.4 | -5.4 | -0.5 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.4 | -5.4 | -0.5 | -5.2 | -0.3 |
| | | pp | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -1.6 | -0.0 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -1.6 | -0.0 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | -1.6 | -0.0 | 0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 447 | 2 | 3 c mobili Max | I | 0.4 | 0.3 | 7.4 | 0.5 | 3.2 | 0.1 |
| | | | CNT | 0.4 | 0.3 | 7.4 | 0.5 | 4.2 | 0.2 |
| | | | J | 0.4 | 0.3 | 7.4 | 0.5 | 5.5 | 0.3 |
| | | Min | I | -0.8 | -0.4 | -5.4 | -0.6 | -2.2 | -0.1 |
| | | | CNT | -0.8 | -0.4 | -5.4 | -0.6 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.4 | -5.4 | -0.6 | -5.1 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -1.6 | -0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -1.6 | -0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | -1.6 | -0.1 | 0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 448 | 2 | 3 c mobili Max | I | 0.5 | 0.3 | 7.3 | 0.5 | 3.1 | 0.1 |
| | | | CNT | 0.5 | 0.3 | 7.3 | 0.5 | 4.1 | 0.2 |
| | | | J | 0.5 | 0.3 | 7.3 | 0.5 | 5.5 | 0.3 |
| | | Min | I | -0.8 | -0.4 | -5.3 | -0.6 | -2.1 | -0.1 |
| | | | CNT | -0.8 | -0.4 | -5.3 | -0.6 | -3.5 | -0.2 |
| | | | J | -0.8 | -0.4 | -5.3 | -0.6 | -5.0 | -0.2 |
| | | pp | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.5 | -0.0 |
| | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.4 | -0.0 |
| | | perm | I | -0.0 | 0.0 | -1.5 | -0.1 | -0.5 | 0.0 |
| | | | CNT | -0.0 | 0.0 | -1.5 | -0.1 | -0.1 | -0.0 |
| | | | J | -0.0 | 0.0 | -1.5 | -0.1 | 0.4 | -0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|------|------|------|------|
| 449 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 7.2 | 0.5 | 3.0 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 7.2 | 0.5 | 4.0 | 0.2 |
| | | | | J | 0.5 | 0.3 | 7.2 | 0.5 | 5.4 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.2 | -0.7 | -2.1 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.2 | -0.7 | -3.4 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.2 | -0.7 | -5.0 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.6 | -0.0 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.6 | -0.0 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.6 | -0.0 | -0.3 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.5 | -0.1 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.5 | -0.1 | -0.1 | -0.0 |
| | | | | J | -0.0 | 0.0 | -1.5 | -0.1 | 0.4 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|------|------|------|------|
| 450 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 7.1 | 0.6 | 2.9 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 7.1 | 0.6 | 3.9 | 0.2 |
| | | | | J | 0.5 | 0.3 | 7.1 | 0.6 | 5.2 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.1 | -0.7 | -2.0 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.1 | -0.7 | -3.3 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.1 | -0.7 | -5.0 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.6 | -0.1 | -0.7 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.6 | -0.1 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.6 | -0.1 | -0.3 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.5 | -0.1 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.5 | -0.1 | -0.1 | -0.0 |
| | | | | J | -0.0 | 0.0 | -1.5 | -0.1 | 0.4 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|------|------|------|------|
| 451 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 7.0 | 0.6 | 2.8 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 7.0 | 0.6 | 3.8 | 0.2 |
| | | | | J | 0.5 | 0.3 | 7.0 | 0.6 | 5.1 | 0.3 |
| | | | Min | I | -0.8 | -0.4 | -5.0 | -0.8 | -2.0 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -5.0 | -0.8 | -3.3 | -0.2 |
| | | | | J | -0.8 | -0.4 | -5.0 | -0.8 | -5.0 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.5 | -0.1 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.5 | -0.1 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.5 | -0.1 | -0.3 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.5 | -0.1 | -0.5 | 0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.5 | -0.1 | -0.1 | -0.0 |
| | | | | J | -0.0 | 0.0 | -1.5 | -0.1 | 0.4 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|------|------|------|------|
| 452 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 6.9 | 0.6 | 2.7 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 6.9 | 0.6 | 3.6 | 0.2 |
| | | | | J | 0.5 | 0.3 | 6.9 | 0.6 | 4.9 | 0.4 |
| | | | Min | I | -0.8 | -0.4 | -4.9 | -0.8 | -1.9 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -4.9 | -0.8 | -3.2 | -0.2 |
| | | | | J | -0.8 | -0.4 | -4.9 | -0.8 | -4.9 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.5 | -0.1 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.5 | -0.1 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.5 | -0.1 | -0.3 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.4 | -0.1 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.4 | -0.1 | -0.1 | -0.0 |
| | | | | J | -0.0 | 0.0 | -1.4 | -0.1 | 0.4 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|------|------|------|------|------|------|
| 453 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 6.7 | 0.7 | 2.5 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 6.7 | 0.7 | 3.4 | 0.2 |
| | | | | J | 0.5 | 0.3 | 6.7 | 0.7 | 4.7 | 0.4 |
| | | | Min | I | -0.8 | -0.4 | -4.7 | -0.8 | -1.8 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -4.7 | -0.8 | -3.1 | -0.2 |
| | | | | J | -0.8 | -0.4 | -4.7 | -0.8 | -4.8 | -0.2 |
| | | | PP | I | -0.0 | 0.0 | -0.5 | -0.1 | -0.6 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -0.5 | -0.1 | -0.5 | -0.0 |
| | | | | J | -0.0 | 0.0 | -0.5 | -0.1 | -0.3 | -0.0 |
| | | | perm | I | -0.0 | 0.0 | -1.4 | -0.1 | -0.5 | -0.0 |
| | | | | CNT | -0.0 | 0.0 | -1.4 | -0.1 | -0.1 | -0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|-----|
| | | | J | -0.0 | 0.0 | -1.4 | -0.1 | 0.4 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 454 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 6.5 | 0.7 | 2.3 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 6.5 | 0.7 | 3.2 | 0.2 |
| | | | | J | 0.5 | 0.3 | 6.5 | 0.7 | 4.4 | 0.4 |
| | | Min | I | -0.8 | -0.4 | -4.5 | -0.9 | -1.7 | -0.1 | |
| | | | CNT | -0.8 | -0.4 | -4.5 | -0.9 | -2.9 | -0.2 | |
| | | | J | -0.8 | -0.4 | -4.5 | -0.9 | -4.7 | -0.2 | |
| | | pp | I | -0.0 | 0.0 | -0.4 | -0.1 | -0.6 | -0.0 | |
| | | | CNT | -0.0 | 0.0 | -0.4 | -0.1 | -0.4 | -0.0 | |
| | | | J | -0.0 | 0.0 | -0.4 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | -0.0 | 0.0 | -1.3 | -0.1 | -0.5 | -0.0 | |
| | | | CNT | -0.0 | 0.0 | -1.3 | -0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | 0.0 | -1.3 | -0.1 | 0.3 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 455 | 2 | 3 c mobili | Max | I | 0.5 | 0.3 | 6.2 | 0.7 | 2.1 | 0.1 |
| | | | | CNT | 0.5 | 0.3 | 6.2 | 0.7 | 3.0 | 0.2 |
| | | | | J | 0.5 | 0.3 | 6.2 | 0.7 | 4.1 | 0.4 |
| | | Min | I | -0.8 | -0.5 | -4.2 | -0.9 | -1.6 | -0.1 | |
| | | | CNT | -0.8 | -0.5 | -4.2 | -0.9 | -2.7 | -0.2 | |
| | | | J | -0.8 | -0.5 | -4.2 | -0.9 | -4.5 | -0.3 | |
| | | pp | I | -0.0 | -0.0 | -0.4 | -0.1 | -0.5 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.4 | -0.1 | -0.4 | -0.0 | |
| | | | J | -0.0 | -0.0 | -0.4 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | -1.3 | -0.1 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -1.3 | -0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | -1.3 | -0.1 | 0.3 | -0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 456 | 2 | 3 c mobili | Max | I | 0.4 | 0.3 | 5.8 | 0.8 | 2.0 | 0.1 |
| | | | | CNT | 0.4 | 0.3 | 5.8 | 0.8 | 2.7 | 0.2 |
| | | | | J | 0.4 | 0.3 | 5.8 | 0.8 | 3.8 | 0.4 |
| | | Min | I | -0.8 | -0.5 | -3.9 | -1.0 | -1.5 | -0.1 | |
| | | | CNT | -0.8 | -0.5 | -3.9 | -1.0 | -2.6 | -0.2 | |
| | | | J | -0.8 | -0.5 | -3.9 | -1.0 | -4.3 | -0.3 | |
| | | pp | I | -0.0 | -0.0 | -0.3 | -0.1 | -0.5 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.3 | -0.1 | -0.4 | -0.0 | |
| | | | J | -0.0 | -0.0 | -0.3 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | -1.2 | -0.1 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -1.2 | -0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | -1.2 | -0.1 | 0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 457 | 2 | 3 c mobili | Max | I | 0.4 | 0.3 | 5.3 | 0.8 | 1.8 | 0.1 |
| | | | | CNT | 0.4 | 0.3 | 5.3 | 0.8 | 2.5 | 0.2 |
| | | | | J | 0.4 | 0.3 | 5.3 | 0.8 | 3.4 | 0.4 |
| | | Min | I | -0.8 | -0.5 | -3.6 | -1.0 | -1.4 | -0.1 | |
| | | | CNT | -0.8 | -0.5 | -3.6 | -1.0 | -2.5 | -0.2 | |
| | | | J | -0.8 | -0.5 | -3.6 | -1.0 | -4.0 | -0.3 | |
| | | pp | I | -0.0 | -0.0 | -0.3 | -0.1 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.3 | -0.1 | -0.4 | -0.0 | |
| | | | J | -0.0 | -0.0 | -0.3 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | -1.1 | -0.1 | -0.4 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -1.1 | -0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | -1.1 | -0.1 | 0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 458 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 4.7 | 0.8 | 1.6 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 4.7 | 0.8 | 2.2 | 0.2 |
| | | | | J | 0.4 | 0.4 | 4.7 | 0.8 | 3.0 | 0.4 |
| | | Min | I | -0.8 | -0.4 | -3.1 | -1.0 | -1.4 | -0.1 | |
| | | | CNT | -0.8 | -0.4 | -3.1 | -1.0 | -2.3 | -0.2 | |
| | | | J | -0.8 | -0.4 | -3.1 | -1.0 | -3.6 | -0.3 | |
| | | pp | I | -0.0 | -0.0 | -0.2 | -0.1 | -0.4 | -0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------------|------|------|------|------|------|------|------|
| | | | CNT | -0.0 | -0.0 | -0.2 | -0.1 | -0.3 | -0.0 | |
| | | | J | -0.0 | -0.0 | -0.2 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | -0.0 | -0.0 | -1.0 | -0.1 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -1.0 | -0.1 | -0.1 | -0.0 | |
| | | | J | -0.0 | -0.0 | -1.0 | -0.1 | 0.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 459 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 4.0 | 0.9 | 1.4 | 0.1 |
| | | | | CNT | 0.4 | 0.4 | 4.0 | 0.9 | 1.9 | 0.2 |
| | | | | J | 0.4 | 0.4 | 4.0 | 0.9 | 2.6 | 0.4 |
| | | | Min | I | -0.8 | -0.4 | -2.7 | -1.1 | -1.3 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -2.7 | -1.1 | -2.1 | -0.2 |
| | | | | J | -0.8 | -0.4 | -2.7 | -1.1 | -3.2 | -0.3 |
| | | pp | I | -0.0 | -0.0 | -0.0 | -0.1 | -0.3 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | -0.0 | -0.1 | -0.3 | -0.0 | |
| | | | J | -0.0 | -0.0 | -0.0 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | 0.0 | -0.0 | -0.8 | -0.2 | -0.3 | -0.0 | |
| | | | CNT | 0.0 | -0.0 | -0.8 | -0.2 | -0.1 | -0.0 | |
| | | | J | 0.0 | -0.0 | -0.8 | -0.2 | 0.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 460 | 2 | 3 c mobili | Max | I | 0.4 | 0.4 | 3.1 | 0.9 | 1.3 | 0.2 |
| | | | | CNT | 0.4 | 0.4 | 3.1 | 0.9 | 1.5 | 0.3 |
| | | | | J | 0.4 | 0.4 | 3.1 | 0.9 | 2.1 | 0.4 |
| | | | Min | I | -0.8 | -0.4 | -2.1 | -1.1 | -1.3 | -0.1 |
| | | | | CNT | -0.8 | -0.4 | -2.1 | -1.1 | -1.9 | -0.2 |
| | | | | J | -0.8 | -0.4 | -2.1 | -1.1 | -2.6 | -0.3 |
| | | pp | I | -0.0 | -0.0 | 0.1 | -0.1 | -0.2 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.1 | -0.1 | -0.3 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.1 | -0.1 | -0.3 | -0.0 | |
| | | perm | I | 0.0 | -0.0 | -0.6 | -0.2 | -0.2 | -0.0 | |
| | | | CNT | 0.0 | -0.0 | -0.6 | -0.2 | -0.1 | -0.0 | |
| | | | J | 0.0 | -0.0 | -0.6 | -0.2 | 0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 461 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 2.4 | 0.9 | 1.2 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 2.4 | 0.9 | 1.2 | 0.3 |
| | | | | J | 0.3 | 0.4 | 2.4 | 0.9 | 1.6 | 0.4 |
| | | | Min | I | -0.9 | -0.4 | -1.9 | -1.1 | -1.5 | -0.1 |
| | | | | CNT | -0.9 | -0.4 | -1.9 | -1.1 | -1.6 | -0.2 |
| | | | | J | -0.9 | -0.4 | -1.9 | -1.1 | -2.0 | -0.3 |
| | | pp | I | -0.0 | -0.0 | 0.4 | -0.1 | -0.1 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.4 | -0.1 | -0.2 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.4 | -0.1 | -0.4 | -0.0 | |
| | | perm | I | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | -0.0 | |
| | | | CNT | 0.0 | -0.1 | -0.2 | -0.2 | -0.0 | -0.0 | |
| | | | J | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 462 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 2.7 | 0.9 | 1.2 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 2.7 | 0.9 | 0.8 | 0.3 |
| | | | | J | 0.3 | 0.4 | 2.7 | 0.9 | 1.2 | 0.4 |
| | | | Min | I | -1.0 | -0.4 | -3.4 | -1.1 | -1.9 | -0.2 |
| | | | | CNT | -1.0 | -0.4 | -3.4 | -1.1 | -1.3 | -0.2 |
| | | | | J | -1.0 | -0.4 | -3.4 | -1.1 | -1.3 | -0.3 |
| | | pp | I | -0.0 | -0.0 | 0.8 | -0.1 | 0.0 | -0.0 | |
| | | | CNT | -0.0 | -0.0 | 0.8 | -0.1 | -0.2 | -0.0 | |
| | | | J | -0.0 | -0.0 | 0.8 | -0.1 | -0.4 | -0.0 | |
| | | perm | I | 0.0 | -0.1 | 0.2 | -0.2 | 0.0 | -0.0 | |
| | | | CNT | 0.0 | -0.1 | 0.2 | -0.2 | -0.0 | -0.0 | |
| | | | J | 0.0 | -0.1 | 0.2 | -0.2 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 463 | 2 | 3 c mobili | Max | I | 0.3 | 0.4 | 4.2 | 0.9 | 1.4 | 0.2 |
| | | | | CNT | 0.3 | 0.4 | 4.2 | 0.9 | 0.5 | 0.3 |
| | | | | J | 0.3 | 0.4 | 4.2 | 0.9 | 1.4 | 0.3 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|-----------------------|------|------|--------|--------|-------|------|
| | | | Min | I | -0.9 | -0.3 | -5.9 | -1.1 | -2.4 | -0.2 |
| | | | | CNT | -0.9 | -0.3 | -5.9 | -1.1 | -0.9 | -0.2 |
| | | | | J | -0.9 | -0.3 | -5.9 | -1.1 | -1.2 | -0.3 |
| | | | pp | I | -0.0 | -0.0 | 1.3 | -0.1 | 0.2 | -0.0 |
| | | | | CNT | -0.0 | -0.0 | 1.3 | -0.1 | -0.1 | -0.0 |
| | | | | J | -0.0 | -0.0 | 1.3 | -0.1 | -0.5 | -0.0 |
| | | | perm | I | 0.0 | -0.0 | 0.9 | -0.2 | 0.2 | -0.0 |
| | | | | CNT | 0.0 | -0.0 | 0.9 | -0.2 | -0.0 | -0.0 |
| | | | | J | 0.0 | -0.0 | 0.9 | -0.2 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 464 | 2 | 3 c mobili | Max | I | 0.2 | 0.2 | 7.2 | 0.9 | 2.2 | 0.2 |
| | | | | CNT | 0.2 | 0.2 | 7.2 | 0.9 | 0.2 | 0.3 |
| | | | | J | 0.2 | 0.2 | 7.2 | 0.9 | 2.6 | 0.3 |
| | | | Min | I | -0.8 | -0.2 | -9.7 | -1.1 | -3.4 | -0.2 |
| | | | | CNT | -0.8 | -0.2 | -9.7 | -1.1 | -0.6 | -0.2 |
| | | | | J | -0.8 | -0.2 | -9.7 | -1.1 | -2.2 | -0.3 |
| | | | pp | I | 0.0 | 0.0 | 2.1 | -0.1 | 0.5 | -0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.1 | -0.1 | -0.1 | -0.0 |
| | | | | J | 0.0 | 0.0 | 2.1 | -0.1 | -0.7 | -0.0 |
| | | | perm | I | 0.0 | 0.0 | 2.0 | -0.2 | 0.6 | -0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.0 | -0.2 | -0.0 | -0.0 |
| | | | | J | 0.0 | 0.0 | 2.0 | -0.2 | -0.6 | -0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 465 | 2 | 4 c mobili | Max | I | 1.7 | 0.7 | 84.3 | 15.0 | 20.0 | 0.7 |
| | | | | CNT | 1.7 | 0.7 | 84.3 | 15.0 | 29.0 | 0.7 |
| | | | | J | 1.7 | 0.7 | 84.3 | 15.0 | 45.6 | 0.8 |
| | | | Min | I | -0.6 | -0.7 | -87.2 | -18.6 | -41.6 | -0.7 |
| | | | | CNT | -0.6 | -0.7 | -87.2 | -18.6 | -52.0 | -0.7 |
| | | | | J | -0.6 | -0.7 | -87.2 | -18.6 | -74.1 | -0.7 |
| | | | pp | I | 0.2 | 0.1 | 13.6 | -1.7 | -2.5 | -0.1 |
| | | | | CNT | 0.2 | 0.1 | 13.6 | -1.7 | -6.6 | -0.1 |
| | | | | J | 0.2 | 0.1 | 13.6 | -1.7 | -10.6 | -0.1 |
| | | | perm | I | 0.1 | 0.1 | 16.5 | -2.5 | 1.0 | 0.0 |
| | | | | CNT | 0.1 | 0.1 | 16.5 | -2.5 | -3.9 | -0.0 |
| | | | | J | 0.1 | 0.1 | 16.5 | -2.5 | -8.9 | -0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 466 | 1 | 1 c mobili | Max | I | 0.7 | 1.7 | 150.4 | 97.9 | 15.0 | 1.0 |
| | | | | CNT | 0.7 | 1.7 | 150.4 | 97.9 | 36.1 | 0.8 |
| | | | | J | 0.7 | 1.7 | 150.4 | 97.9 | 57.8 | 0.7 |
| | | | Min | I | -0.7 | -0.6 | -87.2 | -127.7 | -18.6 | -1.0 |
| | | | | CNT | -0.7 | -0.6 | -87.2 | -127.7 | -43.4 | -1.0 |
| | | | | J | -0.7 | -0.6 | -87.2 | -127.7 | -80.9 | -1.1 |
| | | | pp | I | 0.1 | 0.2 | 13.6 | -20.1 | -1.7 | 0.2 |
| | | | | CNT | 0.1 | 0.2 | 20.5 | -19.6 | -5.9 | 0.2 |
| | | | | J | 0.1 | 0.2 | 27.3 | -19.0 | -11.9 | 0.1 |
| | | | perm | I | 0.1 | 0.1 | 16.5 | -20.4 | -2.5 | 0.1 |
| | | | | CNT | 0.1 | 0.1 | 19.3 | -20.4 | -7.0 | 0.1 |
| | | | | J | 0.1 | 0.1 | 22.0 | -20.4 | -12.1 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 467 | 1 | 1 c mobili | Max | I | 0.9 | 1.5 | 9.1 | 105.0 | 58.7 | 1.1 |
| | | | | CNT | 0.9 | 1.5 | 9.1 | 105.0 | 92.7 | 1.0 |
| | | | | J | 0.9 | 1.5 | 9.1 | 105.0 | 152.7 | 1.0 |
| | | | Min | I | -0.9 | -0.7 | -296.9 | -132.2 | -81.3 | -1.4 |
| | | | | CNT | -0.9 | -0.7 | -296.9 | -132.2 | -65.6 | -1.4 |
| | | | | J | -0.9 | -0.7 | -296.9 | -132.2 | -59.3 | -1.6 |
| | | | pp | I | 0.1 | 0.2 | -296.7 | -21.2 | -12.0 | 0.2 |
| | | | | CNT | 0.1 | 0.2 | -289.9 | -20.6 | 61.3 | 0.1 |
| | | | | J | 0.1 | 0.2 | -283.0 | -20.1 | 132.9 | 0.0 |
| | | | perm | I | 0.1 | 0.1 | -97.2 | -22.5 | -12.3 | 0.1 |
| | | | | CNT | 0.1 | 0.1 | -94.4 | -22.5 | 11.7 | 0.1 |
| | | | | J | 0.1 | 0.1 | -91.7 | -22.5 | 34.9 | 0.1 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | | | | | |
|--------------|------|------------|--------------|------|------------|--------------|--------|--------|--------|--------|--------|-------|------|
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | | | |
| 468 | 1 | 1 c mobili | Max | I | 1.1 | 1.2 | 8.8 | 109.3 | 152.9 | 1.4 | | | |
| | | | CNT | 1.1 | 1.2 | 8.8 | 109.3 | 212.3 | 1.4 | | | | |
| | | | J | 1.1 | 1.2 | 8.8 | 109.3 | 282.9 | 1.4 | | | | |
| | | | Min | I | -1.0 | -0.8 | -284.2 | -134.0 | -59.4 | -1.9 | | | |
| | | | CNT | -1.0 | -0.8 | -284.2 | -134.0 | -56.9 | -1.9 | | | | |
| | | | J | -1.0 | -0.8 | -284.2 | -134.0 | -55.8 | -1.9 | | | | |
| | | | pp | I | 0.1 | 0.2 | -281.7 | -21.5 | 132.8 | 0.0 | | | |
| | | | CNT | 0.1 | 0.2 | -274.8 | -20.9 | 202.4 | -0.0 | | | | |
| | | | J | 0.1 | 0.2 | -268.0 | -20.4 | 270.2 | -0.1 | | | | |
| | | | perm | I | 0.1 | 0.1 | -90.8 | -23.4 | 34.8 | 0.0 | | | |
| | | | CNT | 0.1 | 0.1 | -88.0 | -23.4 | 57.1 | -0.0 | | | | |
| | | | J | 0.1 | 0.1 | -85.3 | -23.4 | 78.8 | -0.0 | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 469 | 1 | 1 c mobili | Max | I | 1.3 | 1.0 | 13.1 | 110.9 | 282.8 | 1.9 |
| | | | | | | CNT | 1.3 | 1.0 | 13.1 | 110.9 | 336.2 | 1.9 | |
| | | | | | | J | 1.3 | 1.0 | 13.1 | 110.9 | 404.0 | 1.9 | |
| | | | | | | Min | I | -1.2 | -0.9 | -271.8 | -134.1 | -55.8 | -2.4 |
| | | | | | | CNT | -1.2 | -0.9 | -271.8 | -134.1 | -54.9 | -2.2 | |
| J | -1.2 | -0.9 | | | | -271.8 | -134.1 | -54.1 | -2.1 | | | | |
| pp | I | 0.1 | | | | 0.2 | -267.2 | -21.3 | 270.1 | -0.1 | | | |
| CNT | 0.1 | 0.2 | | | | -260.3 | -20.8 | 336.1 | -0.1 | | | | |
| J | 0.1 | 0.2 | | | | -253.5 | -20.2 | 400.3 | -0.2 | | | | |
| perm | I | 0.0 | | | | 0.1 | -85.0 | -23.7 | 78.6 | -0.1 | | | |
| CNT | 0.0 | 0.1 | | | | -82.3 | -23.7 | 99.5 | -0.1 | | | | |
| J | 0.0 | 0.1 | | | | -79.5 | -23.7 | 119.8 | -0.1 | | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| CNT | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| J | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 470 | 1 | 1 c mobili | | | | Max | I | 1.6 | 0.8 | 20.7 | 110.7 | 403.8 | 2.4 |
| | | | | | | CNT | 1.6 | 0.8 | 20.7 | 110.7 | 450.2 | 2.4 | |
| | | | | | | J | 1.6 | 0.8 | 20.7 | 110.7 | 514.9 | 2.4 | |
| | | | | | | Min | I | -1.5 | -1.1 | -260.2 | -132.8 | -54.1 | -2.7 |
| | | | | | | CNT | -1.5 | -1.1 | -260.2 | -132.8 | -53.2 | -2.5 | |
| | | | J | -1.5 | -1.1 | -260.2 | -132.8 | -52.4 | -2.4 | | | | |
| | | | pp | I | 0.0 | 0.2 | -253.1 | -20.8 | 400.2 | -0.2 | | | |
| | | | CNT | 0.0 | 0.2 | -246.2 | -20.3 | 462.6 | -0.3 | | | | |
| | | | J | 0.0 | 0.2 | -239.3 | -19.7 | 523.3 | -0.3 | | | | |
| | | | perm | I | -0.0 | 0.1 | -79.8 | -23.5 | 119.6 | -0.2 | | | |
| | | | CNT | -0.0 | 0.1 | -77.0 | -23.5 | 139.2 | -0.2 | | | | |
| | | | J | -0.0 | 0.1 | -74.3 | -23.5 | 158.1 | -0.3 | | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 471 | 1 | 1 c mobili | Max | I | 1.8 | 0.8 | 30.2 | 109.1 | 514.7 | 2.9 |
| | | | | | | CNT | 1.8 | 0.8 | 30.2 | 109.1 | 554.5 | 2.9 | |
| | | | | | | J | 1.8 | 0.8 | 30.2 | 109.1 | 616.5 | 2.9 | |
| | | | | | | Min | I | -1.8 | -1.4 | -249.4 | -130.5 | -52.3 | -3.1 |
| | | | | | | CNT | -1.8 | -1.4 | -249.4 | -130.5 | -51.5 | -3.0 | |
| J | -1.8 | -1.4 | | | | -249.4 | -130.5 | -50.6 | -2.9 | | | | |
| pp | I | -0.0 | | | | 0.2 | -239.2 | -20.1 | 523.1 | -0.3 | | | |
| CNT | -0.0 | 0.2 | | | | -232.3 | -19.6 | 582.1 | -0.4 | | | | |
| J | -0.0 | 0.2 | | | | -225.4 | -19.0 | 639.3 | -0.4 | | | | |
| perm | I | -0.1 | | | | 0.1 | -74.8 | -23.0 | 158.0 | -0.3 | | | |
| CNT | -0.1 | 0.1 | | | | -72.1 | -23.0 | 176.3 | -0.3 | | | | |
| J | -0.1 | 0.1 | | | | -69.3 | -23.0 | 194.0 | -0.4 | | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| CNT | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| J | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 472 | 1 | 1 c mobili | | | | Max | I | 1.9 | 0.7 | 38.9 | 106.6 | 616.2 | 3.4 |
| | | | | | | CNT | 1.9 | 0.7 | 38.9 | 106.6 | 650.1 | 3.4 | |
| | | | | | | J | 1.9 | 0.7 | 38.9 | 106.6 | 709.4 | 3.3 | |
| | | | | | | Min | I | -2.1 | -1.5 | -239.5 | -127.5 | -50.6 | -3.5 |
| | | | | | | CNT | -2.1 | -1.5 | -239.5 | -127.5 | -49.7 | -3.3 | |
| | | | J | -2.1 | -1.5 | -239.5 | -127.5 | -48.9 | -3.3 | | | | |
| | | | pp | I | -0.1 | 0.2 | -225.5 | -19.3 | 639.2 | -0.4 | | | |
| | | | CNT | -0.1 | 0.2 | -218.6 | -18.7 | 694.7 | -0.5 | | | | |
| | | | J | -0.1 | 0.2 | -211.7 | -18.2 | 748.5 | -0.5 | | | | |
| | | | perm | I | -0.1 | 0.1 | -70.1 | -22.2 | 193.8 | -0.4 | | | |
| | | | CNT | -0.1 | 0.1 | -67.4 | -22.2 | 211.0 | -0.4 | | | | |
| | | | J | -0.1 | 0.1 | -64.6 | -22.2 | 227.5 | -0.5 | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|--------------|------------|------|--------------|------|------|--------|--------|--------|--------|------|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | | Section: cap | | | | | | | |
| 473 | 1 | 1 c mobili | Max | I | 2.0 | 0.8 | 46.7 | 103.3 | 709.1 | 3.8 | |
| | | | | CNT | 2.0 | 0.8 | 46.7 | 103.3 | 739.5 | 3.8 | |
| | | | | J | 2.0 | 0.8 | 46.7 | 103.3 | 794.3 | 3.7 | |
| | | | Min | I | -2.3 | -1.5 | -230.3 | -123.7 | -48.8 | -3.8 | |
| | | | | CNT | -2.3 | -1.5 | -230.3 | -123.7 | -48.0 | -3.7 | |
| | | | | J | -2.3 | -1.5 | -230.3 | -123.7 | -47.1 | -3.6 | |
| | | | | pp | I | -0.1 | 0.1 | -211.9 | -18.3 | 748.4 | -0.5 |
| | | | | CNT | -0.1 | 0.1 | -205.0 | -17.8 | 800.5 | -0.5 | |
| | | | | J | -0.1 | 0.1 | -198.1 | -17.2 | 850.9 | -0.6 | |
| | | | perm | I | -0.1 | 0.1 | -65.6 | -21.3 | 227.4 | -0.5 | |
| | | | | CNT | -0.1 | 0.1 | -62.9 | -21.3 | 243.4 | -0.5 | |
| | | | | J | -0.1 | 0.1 | -60.1 | -21.3 | 258.8 | -0.6 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | | Section: cap | | | | | | | |
| 474 | 1 | 1 c mobili | Max | I | 2.1 | 0.8 | 53.9 | 99.5 | 794.0 | 4.2 | |
| | | | | CNT | 2.1 | 0.8 | 53.9 | 99.5 | 822.0 | 4.1 | |
| | | | | J | 2.1 | 0.8 | 53.9 | 99.5 | 871.9 | 4.1 | |
| | | | Min | I | -2.5 | -1.5 | -221.6 | -119.3 | -47.1 | -4.2 | |
| | | | | CNT | -2.5 | -1.5 | -221.6 | -119.3 | -46.2 | -4.1 | |
| | | | | J | -2.5 | -1.5 | -221.6 | -119.3 | -45.4 | -4.0 | |
| | | | | pp | I | -0.1 | 0.1 | -198.4 | -17.3 | 850.8 | -0.6 |
| | | | | CNT | -0.1 | 0.1 | -191.5 | -16.8 | 899.5 | -0.6 | |
| | | | | J | -0.1 | 0.1 | -184.7 | -16.2 | 946.6 | -0.6 | |
| | | | perm | I | -0.2 | 0.1 | -61.2 | -20.3 | 258.7 | -0.6 | |
| | | | | CNT | -0.2 | 0.1 | -58.4 | -20.3 | 273.6 | -0.6 | |
| | | | | J | -0.2 | 0.1 | -55.7 | -20.3 | 287.9 | -0.6 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | | Section: cap | | | | | | | |
| 475 | 1 | 1 c mobili | Max | I | 2.1 | 0.8 | 60.4 | 95.2 | 871.6 | 4.5 | |
| | | | | CNT | 2.1 | 0.8 | 60.4 | 95.2 | 897.2 | 4.4 | |
| | | | | J | 2.1 | 0.8 | 60.4 | 95.2 | 942.5 | 4.4 | |
| | | | Min | I | -2.8 | -1.5 | -213.5 | -114.4 | -45.3 | -4.5 | |
| | | | | CNT | -2.8 | -1.5 | -213.5 | -114.4 | -44.5 | -4.4 | |
| | | | | J | -2.8 | -1.5 | -213.5 | -114.4 | -43.6 | -4.3 | |
| | | | | pp | I | -0.1 | 0.1 | -185.0 | -16.2 | 946.5 | -0.6 |
| | | | | CNT | -0.1 | 0.1 | -178.1 | -15.7 | 991.9 | -0.6 | |
| | | | | J | -0.1 | 0.1 | -171.3 | -15.1 | 1035.5 | -0.7 | |
| | | | perm | I | -0.2 | 0.1 | -56.9 | -19.2 | 287.8 | -0.6 | |
| | | | | CNT | -0.2 | 0.1 | -54.1 | -19.2 | 301.6 | -0.7 | |
| | | | | J | -0.2 | 0.1 | -51.4 | -19.2 | 314.8 | -0.7 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | | Section: cap | | | | | | | |
| 476 | 1 | 1 c mobili | Max | I | 2.1 | 0.8 | 66.4 | 90.7 | 942.2 | 4.8 | |
| | | | | CNT | 2.1 | 0.8 | 66.4 | 90.7 | 965.5 | 4.7 | |
| | | | | J | 2.1 | 0.8 | 66.4 | 90.7 | 1006.6 | 4.6 | |
| | | | Min | I | -2.9 | -1.5 | -205.9 | -109.0 | -43.6 | -4.8 | |
| | | | | CNT | -2.9 | -1.5 | -205.9 | -109.0 | -42.8 | -4.7 | |
| | | | | J | -2.9 | -1.5 | -205.9 | -109.0 | -42.0 | -4.6 | |
| | | | | pp | I | -0.1 | 0.1 | -171.7 | -15.1 | 1035.4 | -0.7 |
| | | | | CNT | -0.1 | 0.1 | -164.8 | -14.6 | 1077.5 | -0.7 | |
| | | | | J | -0.1 | 0.1 | -157.9 | -14.0 | 1117.8 | -0.7 | |
| | | | perm | I | -0.2 | 0.1 | -52.7 | -18.0 | 314.7 | -0.7 | |
| | | | | CNT | -0.2 | 0.1 | -49.9 | -18.0 | 327.5 | -0.7 | |
| | | | | J | -0.2 | 0.1 | -47.2 | -18.0 | 339.7 | -0.8 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | | Section: cap | | | | | | | |
| 477 | 1 | 1 c mobili | Max | I | 2.0 | 0.9 | 71.8 | 86.1 | 1006.3 | 5.0 | |
| | | | | CNT | 2.0 | 0.9 | 71.8 | 86.1 | 1027.4 | 4.9 | |
| | | | | J | 2.0 | 0.9 | 71.8 | 86.1 | 1064.5 | 4.9 | |
| | | | Min | I | -3.1 | -1.4 | -198.6 | -103.1 | -42.0 | -5.1 | |
| | | | | CNT | -3.1 | -1.4 | -198.6 | -103.1 | -41.1 | -5.0 | |
| | | | | J | -3.1 | -1.4 | -198.6 | -103.1 | -40.3 | -4.9 | |
| | | | | pp | I | -0.1 | 0.1 | -158.4 | -14.0 | 1117.8 | -0.7 |
| | | | | CNT | -0.1 | 0.1 | -151.5 | -13.5 | 1156.5 | -0.7 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|--------------|------------|--------------|------|------|--------|-------|--------|--------|-----|
| | | | J | -0.1 | 0.1 | -144.6 | -12.9 | 1193.5 | -0.7 | |
| | | perm | I | -0.2 | 0.1 | -48.5 | -16.7 | 339.5 | -0.8 | |
| | | | CNT | -0.2 | 0.1 | -45.7 | -16.7 | 351.3 | -0.8 | |
| | | | J | -0.2 | 0.1 | -43.0 | -16.7 | 362.4 | -0.8 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 478 | 1 | 1 c mobili | Max | I | 2.0 | 0.9 | 76.9 | 81.3 | 1064.2 | 5.2 |
| | | | | CNT | 2.0 | 0.9 | 76.9 | 81.3 | 1083.2 | 5.1 |
| | | | | J | 2.0 | 0.9 | 76.9 | 81.3 | 1116.6 | 5.2 |
| | | Min | I | -3.2 | -1.4 | -191.6 | -97.0 | -40.3 | -5.3 | |
| | | | CNT | -3.2 | -1.4 | -191.6 | -97.0 | -39.5 | -5.2 | |
| | | | J | -3.2 | -1.4 | -191.6 | -97.0 | -38.7 | -5.2 | |
| | | pp | I | -0.1 | 0.1 | -145.1 | -12.9 | 1193.4 | -0.7 | |
| | | | CNT | -0.1 | 0.1 | -138.2 | -12.3 | 1228.9 | -0.7 | |
| | | | J | -0.1 | 0.1 | -131.4 | -11.8 | 1262.6 | -0.7 | |
| | | perm | I | -0.2 | 0.1 | -44.4 | -15.4 | 362.3 | -0.8 | |
| | | | CNT | -0.2 | 0.1 | -41.6 | -15.4 | 373.1 | -0.8 | |
| | | | J | -0.2 | 0.1 | -38.9 | -15.4 | 383.1 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 479 | 1 | 1 c mobili | Max | I | 2.1 | 0.9 | 81.6 | 76.4 | 1116.3 | 5.3 |
| | | | CNT | 2.1 | 0.9 | 81.6 | 76.4 | 1133.2 | 5.2 | |
| | | | J | 2.1 | 0.9 | 81.6 | 76.4 | 1162.9 | 5.4 | |
| | | Min | I | -3.3 | -1.3 | -184.9 | -90.4 | -38.7 | -5.6 | |
| | | | CNT | -3.3 | -1.3 | -184.9 | -90.4 | -37.9 | -5.5 | |
| | | | J | -3.3 | -1.3 | -184.9 | -90.4 | -37.1 | -5.4 | |
| | | pp | I | -0.1 | 0.1 | -131.9 | -11.7 | 1262.5 | -0.7 | |
| | | | CNT | -0.1 | 0.1 | -125.0 | -11.2 | 1294.6 | -0.7 | |
| | | | J | -0.1 | 0.1 | -118.1 | -10.6 | 1325.0 | -0.8 | |
| | | perm | I | -0.2 | 0.1 | -40.3 | -14.0 | 383.0 | -0.9 | |
| | | | CNT | -0.2 | 0.1 | -37.6 | -14.0 | 392.8 | -0.9 | |
| | | | J | -0.2 | 0.1 | -34.8 | -14.0 | 401.8 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 480 | 1 | 1 c mobili | Max | I | 2.1 | 1.0 | 86.3 | 71.4 | 1162.6 | 5.5 |
| | | | CNT | 2.1 | 1.0 | 86.3 | 71.4 | 1177.5 | 5.3 | |
| | | | J | 2.1 | 1.0 | 86.3 | 71.4 | 1203.8 | 5.5 | |
| | | Min | I | -3.4 | -1.3 | -178.5 | -84.4 | -37.1 | -5.7 | |
| | | | CNT | -3.4 | -1.3 | -178.5 | -84.4 | -36.4 | -5.6 | |
| | | | J | -3.4 | -1.3 | -178.5 | -84.4 | -35.6 | -5.6 | |
| | | pp | I | -0.1 | 0.1 | -118.7 | -10.6 | 1324.9 | -0.7 | |
| | | | CNT | -0.1 | 0.1 | -111.8 | -10.0 | 1353.7 | -0.8 | |
| | | | J | -0.1 | 0.1 | -104.9 | -9.4 | 1380.8 | -0.8 | |
| | | perm | I | -0.1 | 0.1 | -36.3 | -12.6 | 401.7 | -0.9 | |
| | | | CNT | -0.1 | 0.1 | -33.5 | -12.6 | 410.4 | -0.9 | |
| | | | J | -0.1 | 0.1 | -30.8 | -12.6 | 418.5 | -0.9 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 481 | 1 | 1 c mobili | Max | I | 2.1 | 1.0 | 91.5 | 66.5 | 1203.6 | 5.5 |
| | | | CNT | 2.1 | 1.0 | 91.5 | 66.5 | 1216.3 | 5.4 | |
| | | | J | 2.1 | 1.0 | 91.5 | 66.5 | 1239.3 | 5.6 | |
| | | Min | I | -3.5 | -1.2 | -172.2 | -78.8 | -35.6 | -5.9 | |
| | | | CNT | -3.5 | -1.2 | -172.2 | -78.8 | -34.8 | -5.8 | |
| | | | J | -3.5 | -1.2 | -172.2 | -78.8 | -34.1 | -5.7 | |
| | | pp | I | -0.1 | 0.0 | -105.5 | -9.4 | 1380.8 | -0.8 | |
| | | | CNT | -0.1 | 0.0 | -98.6 | -8.8 | 1406.3 | -0.8 | |
| | | | J | -0.1 | 0.0 | -91.7 | -8.3 | 1430.1 | -0.8 | |
| | | perm | I | -0.1 | 0.1 | -32.3 | -11.2 | 418.4 | -0.9 | |
| | | | CNT | -0.1 | 0.1 | -29.5 | -11.2 | 426.1 | -0.9 | |
| | | | J | -0.1 | 0.1 | -26.8 | -11.2 | 433.1 | -1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 482 | 1 | 1 c mobili | Max | I | 2.1 | 1.0 | 96.6 | 61.6 | 1239.1 | 5.6 |
| | | | CNT | 2.1 | 1.0 | 96.6 | 61.6 | 1250.0 | 5.5 | |
| | | | J | 2.1 | 1.0 | 96.6 | 61.6 | 1269.6 | 5.7 | |
| | | Min | I | -3.6 | -1.2 | -166.2 | -73.1 | -34.1 | -6.0 | |

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| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|--------|--------|--------|--------|------|
| | | | CNT | -3.6 | -1.2 | -166.2 | -73.1 | -33.3 | -5.9 | |
| | | | J | -3.6 | -1.2 | -166.2 | -73.1 | -32.6 | -5.9 | |
| | | pp | I | -0.1 | 0.0 | -92.3 | -8.2 | 1430.0 | -0.8 | |
| | | | CNT | -0.1 | 0.0 | -85.4 | -7.7 | 1452.2 | -0.8 | |
| | | | J | -0.1 | 0.0 | -78.6 | -7.1 | 1472.7 | -0.8 | |
| | | perm | I | -0.1 | 0.1 | -28.3 | -9.7 | 433.1 | -0.9 | |
| | | | CNT | -0.1 | 0.1 | -25.5 | -9.7 | 439.8 | -1.0 | |
| | | | J | -0.1 | 0.1 | -22.8 | -9.7 | 445.8 | -1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 483 | 1 | 1 c mobili | Max | I | 2.1 | 1.0 | 101.7 | 56.8 | 1269.4 | 5.7 |
| | | | | CNT | 2.1 | 1.0 | 101.7 | 56.8 | 1278.5 | 5.6 |
| | | | | J | 2.1 | 1.0 | 101.7 | 56.8 | 1294.9 | 5.7 |
| | | | Min | I | -3.6 | -1.2 | -160.3 | -67.4 | -32.6 | -6.1 |
| | | | | CNT | -3.6 | -1.2 | -160.3 | -67.4 | -31.9 | -6.0 |
| | | | | J | -3.6 | -1.2 | -160.3 | -67.4 | -31.2 | -6.0 |
| | | pp | I | -0.1 | 0.0 | -79.1 | -7.0 | 1472.7 | -0.8 | |
| | | | CNT | -0.1 | 0.0 | -72.3 | -6.5 | 1491.6 | -0.8 | |
| | | | J | -0.1 | 0.0 | -65.4 | -5.9 | 1508.8 | -0.8 | |
| | | perm | I | -0.1 | 0.0 | -24.3 | -8.3 | 445.8 | -1.0 | |
| | | | CNT | -0.1 | 0.0 | -21.6 | -8.3 | 451.5 | -1.0 | |
| | | | J | -0.1 | 0.0 | -18.8 | -8.3 | 456.6 | -1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 484 | 1 | 1 c mobili | Max | I | 2.1 | 1.0 | 106.6 | 51.9 | 1294.8 | 5.7 |
| | | | | CNT | 2.1 | 1.0 | 106.6 | 51.9 | 1301.9 | 5.6 |
| | | | | J | 2.1 | 1.0 | 106.6 | 51.9 | 1315.2 | 5.7 |
| | | | Min | I | -3.6 | -1.2 | -154.5 | -61.6 | -31.2 | -6.2 |
| | | | | CNT | -3.6 | -1.2 | -154.5 | -61.6 | -30.5 | -6.1 |
| | | | | J | -3.6 | -1.2 | -154.5 | -61.6 | -29.8 | -6.1 |
| | | pp | I | -0.1 | 0.0 | -66.0 | -5.9 | 1508.8 | -0.8 | |
| | | | CNT | -0.1 | 0.0 | -59.1 | -5.3 | 1524.4 | -0.8 | |
| | | | J | -0.1 | 0.0 | -52.2 | -4.7 | 1538.4 | -0.8 | |
| | | perm | I | -0.1 | 0.0 | -20.4 | -6.8 | 456.5 | -1.0 | |
| | | | CNT | -0.1 | 0.0 | -17.6 | -6.8 | 461.3 | -1.0 | |
| | | | J | -0.1 | 0.0 | -14.9 | -6.8 | 465.3 | -1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 485 | 1 | 1 c mobili | Max | I | 2.1 | 1.0 | 111.6 | 48.0 | 1315.1 | 5.7 |
| | | | | CNT | 2.1 | 1.0 | 111.6 | 48.0 | 1320.4 | 5.6 |
| | | | | J | 2.1 | 1.0 | 111.6 | 48.0 | 1330.7 | 5.7 |
| | | | Min | I | -3.7 | -1.1 | -148.8 | -56.1 | -29.8 | -6.3 |
| | | | | CNT | -3.7 | -1.1 | -148.8 | -56.1 | -29.1 | -6.2 |
| | | | | J | -3.7 | -1.1 | -148.8 | -56.1 | -28.4 | -6.2 |
| | | pp | I | -0.1 | 0.0 | -52.8 | -4.7 | 1538.3 | -0.8 | |
| | | | CNT | -0.1 | 0.0 | -46.0 | -4.1 | 1550.7 | -0.8 | |
| | | | J | -0.1 | 0.0 | -39.1 | -3.6 | 1561.3 | -0.8 | |
| | | perm | I | -0.1 | 0.0 | -16.5 | -5.3 | 465.3 | -1.0 | |
| | | | CNT | -0.1 | 0.0 | -13.7 | -5.3 | 469.1 | -1.0 | |
| | | | J | -0.1 | 0.0 | -11.0 | -5.3 | 472.2 | -1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 486 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 116.6 | 44.6 | 1330.6 | 5.8 |
| | | | | CNT | 2.1 | 1.1 | 116.6 | 44.6 | 1333.9 | 5.6 |
| | | | | J | 2.1 | 1.1 | 116.6 | 44.6 | 1341.3 | 5.8 |
| | | | Min | I | -3.7 | -1.1 | -143.2 | -50.7 | -28.4 | -6.3 |
| | | | | CNT | -3.7 | -1.1 | -143.2 | -50.7 | -27.7 | -6.3 |
| | | | | J | -3.7 | -1.1 | -143.2 | -50.7 | -27.1 | -6.3 |
| | | pp | I | -0.1 | 0.0 | -39.7 | -3.5 | 1561.3 | -0.8 | |
| | | | CNT | -0.1 | 0.0 | -32.8 | -2.9 | 1570.4 | -0.8 | |
| | | | J | -0.1 | 0.0 | -26.0 | -2.4 | 1577.7 | -0.8 | |
| | | perm | I | -0.1 | 0.0 | -12.5 | -3.8 | 472.1 | -1.0 | |
| | | | CNT | -0.1 | 0.0 | -9.8 | -3.8 | 474.9 | -1.0 | |
| | | | J | -0.1 | 0.0 | -7.0 | -3.8 | 477.0 | -1.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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| | | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|-------|--------|--------|-------|------|
| 487 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 121.8 | 42.2 | 1341.2 | 5.8 | |
| | | | | CNT | 2.1 | 1.1 | 121.8 | 42.2 | 1342.8 | 5.6 | |
| | | | | J | 2.1 | 1.1 | 121.8 | 42.2 | 1347.1 | 5.8 | |
| | | | | Min | I | -3.7 | -1.1 | -137.8 | -46.2 | -27.1 | -6.3 |
| | | | | | CNT | -3.7 | -1.1 | -137.8 | -46.2 | -26.4 | -6.3 |
| | | | | | J | -3.7 | -1.1 | -137.8 | -46.2 | -25.7 | -6.3 |
| | | | pp | I | -0.1 | 0.0 | -26.6 | -2.3 | 1577.7 | -0.8 | |
| | | | | CNT | -0.1 | 0.0 | -19.7 | -1.8 | 1583.5 | -0.8 | |
| | | | | J | -0.1 | 0.0 | -12.8 | -1.2 | 1587.5 | -0.8 | |
| | | | perm | I | -0.1 | 0.0 | -8.6 | -2.3 | 477.0 | -1.0 | |
| | | | | CNT | -0.1 | 0.0 | -5.9 | -2.3 | 478.8 | -1.0 | |
| | | | | J | -0.1 | 0.0 | -3.1 | -2.3 | 479.9 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|-------|--------|--------|-------|------|
| 488 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 127.0 | 41.8 | 1347.0 | 5.8 | |
| | | | | CNT | 2.1 | 1.1 | 127.0 | 41.8 | 1346.8 | 5.6 | |
| | | | | J | 2.1 | 1.1 | 127.0 | 41.8 | 1348.1 | 5.8 | |
| | | | | Min | I | -3.7 | -1.1 | -132.4 | -42.3 | -25.8 | -6.3 |
| | | | | | CNT | -3.7 | -1.1 | -132.4 | -42.3 | -25.1 | -6.3 |
| | | | | | J | -3.7 | -1.1 | -132.4 | -42.3 | -24.5 | -6.3 |
| | | | pp | I | -0.0 | 0.0 | -13.4 | -1.1 | 1587.5 | -0.8 | |
| | | | | CNT | -0.0 | 0.0 | -6.6 | -0.6 | 1590.0 | -0.8 | |
| | | | | J | -0.0 | 0.0 | 0.3 | -0.0 | 1590.8 | -0.8 | |
| | | | perm | I | -0.1 | 0.0 | -4.7 | -0.8 | 479.9 | -1.0 | |
| | | | | CNT | -0.1 | 0.0 | -2.0 | -0.8 | 480.8 | -1.0 | |
| | | | | J | -0.1 | 0.0 | 0.8 | -0.8 | 480.9 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|-------|--------|--------|-------|------|
| 489 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 132.4 | 42.3 | 1348.1 | 5.8 | |
| | | | | CNT | 2.1 | 1.1 | 132.4 | 42.3 | 1346.8 | 5.6 | |
| | | | | J | 2.1 | 1.1 | 132.4 | 42.3 | 1347.0 | 5.8 | |
| | | | | Min | I | -3.7 | -1.1 | -127.0 | -41.8 | -24.5 | -6.3 |
| | | | | | CNT | -3.7 | -1.1 | -127.0 | -41.8 | -25.1 | -6.3 |
| | | | | | J | -3.7 | -1.1 | -127.0 | -41.8 | -25.8 | -6.3 |
| | | | pp | I | -0.0 | -0.0 | -0.3 | 0.0 | 1590.8 | -0.8 | |
| | | | | CNT | -0.0 | -0.0 | 6.6 | 0.6 | 1590.0 | -0.8 | |
| | | | | J | -0.0 | -0.0 | 13.4 | 1.1 | 1587.5 | -0.8 | |
| | | | perm | I | -0.1 | -0.0 | -0.8 | 0.8 | 480.9 | -1.0 | |
| | | | | CNT | -0.1 | -0.0 | 2.0 | 0.8 | 480.8 | -1.0 | |
| | | | | J | -0.1 | -0.0 | 4.7 | 0.8 | 479.9 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|-------|--------|--------|-------|------|
| 490 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 137.8 | 46.2 | 1347.1 | 5.8 | |
| | | | | CNT | 2.1 | 1.1 | 137.8 | 46.2 | 1342.8 | 5.6 | |
| | | | | J | 2.1 | 1.1 | 137.8 | 46.2 | 1341.2 | 5.8 | |
| | | | | Min | I | -3.7 | -1.1 | -121.8 | -42.2 | -25.7 | -6.3 |
| | | | | | CNT | -3.7 | -1.1 | -121.8 | -42.2 | -26.4 | -6.3 |
| | | | | | J | -3.7 | -1.1 | -121.8 | -42.2 | -27.1 | -6.3 |
| | | | pp | I | -0.1 | -0.0 | 12.8 | 1.2 | 1587.5 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 19.7 | 1.8 | 1583.5 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 26.6 | 2.3 | 1577.7 | -0.8 | |
| | | | perm | I | -0.1 | -0.0 | 3.1 | 2.3 | 479.9 | -1.0 | |
| | | | | CNT | -0.1 | -0.0 | 5.9 | 2.3 | 478.8 | -1.0 | |
| | | | | J | -0.1 | -0.0 | 8.6 | 2.3 | 477.0 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | | |
|-----|---|------------|------|-----|------|------|-------|--------|--------|-------|------|
| 491 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 143.2 | 50.7 | 1341.3 | 5.8 | |
| | | | | CNT | 2.1 | 1.1 | 143.2 | 50.7 | 1333.9 | 5.6 | |
| | | | | J | 2.1 | 1.1 | 143.2 | 50.7 | 1330.6 | 5.8 | |
| | | | | Min | I | -3.7 | -1.1 | -116.6 | -44.6 | -27.1 | -6.3 |
| | | | | | CNT | -3.7 | -1.1 | -116.6 | -44.6 | -27.7 | -6.3 |
| | | | | | J | -3.7 | -1.1 | -116.6 | -44.6 | -28.4 | -6.3 |
| | | | pp | I | -0.1 | -0.0 | 26.0 | 2.4 | 1577.7 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 32.8 | 2.9 | 1570.4 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 39.7 | 3.5 | 1561.3 | -0.8 | |
| | | | perm | I | -0.1 | -0.0 | 7.0 | 3.8 | 477.0 | -1.0 | |
| | | | | CNT | -0.1 | -0.0 | 9.8 | 3.8 | 474.9 | -1.0 | |
| | | | | J | -0.1 | -0.0 | 12.5 | 3.8 | 472.1 | -1.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|------------|--------------|------|------|--------|-------|--------|------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 492 | 1 | 1 c mobili | Max | I | 2.1 | 1.1 | 148.8 | 56.1 | 1330.7 | 5.7 | |
| | | | | CNT | 2.1 | 1.1 | 148.8 | 56.1 | 1320.4 | 5.6 | |
| | | | | J | 2.1 | 1.1 | 148.8 | 56.1 | 1315.1 | 5.7 | |
| | | | Min | I | -3.7 | -1.0 | -111.6 | -48.0 | -28.4 | -6.2 | |
| | | | | CNT | -3.7 | -1.0 | -111.6 | -48.0 | -29.1 | -6.2 | |
| | | | | J | -3.7 | -1.0 | -111.6 | -48.0 | -29.8 | -6.3 | |
| | | | pp | I | -0.1 | -0.0 | 39.1 | 3.6 | 1561.3 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 46.0 | 4.1 | 1550.7 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 52.8 | 4.7 | 1538.3 | -0.8 | |
| | | | perm | I | -0.1 | -0.0 | 11.0 | 5.3 | 472.2 | -1.0 | |
| | | | | CNT | -0.1 | -0.0 | 13.7 | 5.3 | 469.1 | -1.0 | |
| | | | | J | -0.1 | -0.0 | 16.5 | 5.3 | 465.3 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 493 | 1 | 1 c mobili | Max | I | 2.1 | 1.2 | 154.5 | 61.6 | 1315.2 | 5.7 | |
| | | | | CNT | 2.1 | 1.2 | 154.5 | 61.6 | 1301.9 | 5.6 | |
| | | | | J | 2.1 | 1.2 | 154.5 | 61.6 | 1294.8 | 5.7 | |
| | | | Min | I | -3.6 | -1.0 | -106.6 | -51.9 | -29.8 | -6.1 | |
| | | | | CNT | -3.6 | -1.0 | -106.6 | -51.9 | -30.5 | -6.1 | |
| | | | | J | -3.6 | -1.0 | -106.6 | -51.9 | -31.2 | -6.2 | |
| | | | pp | I | -0.1 | -0.0 | 52.2 | 4.7 | 1538.4 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 59.1 | 5.3 | 1524.4 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 66.0 | 5.9 | 1508.8 | -0.8 | |
| | | | perm | I | -0.1 | -0.0 | 14.9 | 6.8 | 465.3 | -1.0 | |
| | | | | CNT | -0.1 | -0.0 | 17.6 | 6.8 | 461.3 | -1.0 | |
| | | | | J | -0.1 | -0.0 | 20.4 | 6.8 | 456.5 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 494 | 1 | 1 c mobili | Max | I | 2.1 | 1.2 | 160.3 | 67.4 | 1294.9 | 5.7 | |
| | | | | CNT | 2.1 | 1.2 | 160.3 | 67.4 | 1278.5 | 5.6 | |
| | | | | J | 2.1 | 1.2 | 160.3 | 67.4 | 1269.4 | 5.7 | |
| | | | Min | I | -3.6 | -1.0 | -101.7 | -56.8 | -31.2 | -6.0 | |
| | | | | CNT | -3.6 | -1.0 | -101.7 | -56.8 | -31.9 | -6.0 | |
| | | | | J | -3.6 | -1.0 | -101.7 | -56.8 | -32.6 | -6.1 | |
| | | | pp | I | -0.1 | -0.0 | 65.4 | 5.9 | 1508.8 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 72.3 | 6.5 | 1491.6 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 79.1 | 7.0 | 1472.7 | -0.8 | |
| | | | perm | I | -0.1 | -0.0 | 18.8 | 8.3 | 456.6 | -1.0 | |
| | | | | CNT | -0.1 | -0.0 | 21.6 | 8.3 | 451.5 | -1.0 | |
| | | | | J | -0.1 | -0.0 | 24.3 | 8.3 | 445.8 | -1.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 495 | 1 | 1 c mobili | Max | I | 2.1 | 1.2 | 166.2 | 73.1 | 1269.6 | 5.7 | |
| | | | | CNT | 2.1 | 1.2 | 166.2 | 73.1 | 1250.0 | 5.5 | |
| | | | | J | 2.1 | 1.2 | 166.2 | 73.1 | 1239.1 | 5.6 | |
| | | | Min | I | -3.6 | -1.0 | -96.6 | -61.6 | -32.6 | -5.9 | |
| | | | | CNT | -3.6 | -1.0 | -96.6 | -61.6 | -33.3 | -5.9 | |
| | | | | J | -3.6 | -1.0 | -96.6 | -61.6 | -34.1 | -6.0 | |
| | | | pp | I | -0.1 | -0.0 | 78.6 | 7.1 | 1472.7 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 85.4 | 7.7 | 1452.2 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 92.3 | 8.2 | 1430.0 | -0.8 | |
| | | | perm | I | -0.1 | -0.1 | 22.8 | 9.7 | 445.8 | -1.0 | |
| | | | | CNT | -0.1 | -0.1 | 25.5 | 9.7 | 439.8 | -1.0 | |
| | | | | J | -0.1 | -0.1 | 28.3 | 9.7 | 433.1 | -0.9 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 496 | 1 | 1 c mobili | Max | I | 2.1 | 1.2 | 172.2 | 78.8 | 1239.3 | 5.6 | |
| | | | | CNT | 2.1 | 1.2 | 172.2 | 78.8 | 1216.3 | 5.4 | |
| | | | | J | 2.1 | 1.2 | 172.2 | 78.8 | 1203.6 | 5.5 | |
| | | | Min | I | -3.5 | -1.0 | -91.5 | -66.5 | -34.1 | -5.7 | |
| | | | | CNT | -3.5 | -1.0 | -91.5 | -66.5 | -34.8 | -5.8 | |
| | | | | J | -3.5 | -1.0 | -91.5 | -66.5 | -35.6 | -5.9 | |
| | | | pp | I | -0.1 | -0.0 | 91.7 | 8.3 | 1430.1 | -0.8 | |
| | | | | CNT | -0.1 | -0.0 | 98.6 | 8.8 | 1406.3 | -0.8 | |
| | | | | J | -0.1 | -0.0 | 105.5 | 9.4 | 1380.8 | -0.8 | |

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|-----|---|--------------|------------|--------------|------|------|-------|-------|--------|------|
| | | | perm | I | -0.1 | -0.1 | 26.8 | 11.2 | 433.1 | -1.0 |
| | | | | CNT | -0.1 | -0.1 | 29.5 | 11.2 | 426.1 | -0.9 |
| | | | | J | -0.1 | -0.1 | 32.3 | 11.2 | 418.4 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 497 | 1 | 1 c mobili | Max | I | 2.1 | 1.3 | 178.5 | 84.4 | 1203.8 | 5.5 |
| | | | | CNT | 2.1 | 1.3 | 178.5 | 84.4 | 1177.5 | 5.3 |
| | | | | J | 2.1 | 1.3 | 178.5 | 84.4 | 1162.6 | 5.5 |
| | | | Min | I | -3.4 | -1.0 | -86.3 | -71.4 | -35.6 | -5.6 |
| | | | | CNT | -3.4 | -1.0 | -86.3 | -71.4 | -36.4 | -5.6 |
| | | | | J | -3.4 | -1.0 | -86.3 | -71.4 | -37.1 | -5.7 |
| | | | pp | I | -0.1 | -0.1 | 104.9 | 9.4 | 1380.8 | -0.8 |
| | | | | CNT | -0.1 | -0.1 | 111.8 | 10.0 | 1353.7 | -0.8 |
| | | | | J | -0.1 | -0.1 | 118.7 | 10.6 | 1324.9 | -0.7 |
| | | | perm | I | -0.1 | -0.1 | 30.8 | 12.6 | 418.5 | -0.9 |
| | | | | CNT | -0.1 | -0.1 | 33.5 | 12.6 | 410.4 | -0.9 |
| | | | | J | -0.1 | -0.1 | 36.3 | 12.6 | 401.7 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 498 | 1 | 1 c mobili | Max | I | 2.1 | 1.3 | 184.9 | 90.4 | 1162.9 | 5.4 |
| | | | | CNT | 2.1 | 1.3 | 184.9 | 90.4 | 1133.2 | 5.2 |
| | | | | J | 2.1 | 1.3 | 184.9 | 90.4 | 1116.3 | 5.3 |
| | | | Min | I | -3.3 | -0.9 | -81.6 | -76.4 | -37.1 | -5.4 |
| | | | | CNT | -3.3 | -0.9 | -81.6 | -76.4 | -37.9 | -5.5 |
| | | | | J | -3.3 | -0.9 | -81.6 | -76.4 | -38.7 | -5.6 |
| | | | pp | I | -0.1 | -0.1 | 118.1 | 10.6 | 1325.0 | -0.8 |
| | | | | CNT | -0.1 | -0.1 | 125.0 | 11.2 | 1294.6 | -0.7 |
| | | | | J | -0.1 | -0.1 | 131.9 | 11.7 | 1262.5 | -0.7 |
| | | | perm | I | -0.2 | -0.1 | 34.8 | 14.0 | 401.8 | -0.9 |
| | | | | CNT | -0.2 | -0.1 | 37.6 | 14.0 | 392.8 | -0.9 |
| | | | | J | -0.2 | -0.1 | 40.3 | 14.0 | 383.0 | -0.9 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 499 | 1 | 1 c mobili | Max | I | 2.0 | 1.4 | 191.6 | 97.0 | 1116.6 | 5.2 |
| | | | | CNT | 2.0 | 1.4 | 191.6 | 97.0 | 1083.2 | 5.1 |
| | | | | J | 2.0 | 1.4 | 191.6 | 97.0 | 1064.2 | 5.2 |
| | | | Min | I | -3.2 | -0.9 | -76.9 | -81.3 | -38.7 | -5.2 |
| | | | | CNT | -3.2 | -0.9 | -76.9 | -81.3 | -39.5 | -5.2 |
| | | | | J | -3.2 | -0.9 | -76.9 | -81.3 | -40.3 | -5.3 |
| | | | pp | I | -0.1 | -0.1 | 131.4 | 11.8 | 1262.6 | -0.7 |
| | | | | CNT | -0.1 | -0.1 | 138.2 | 12.3 | 1228.9 | -0.7 |
| | | | | J | -0.1 | -0.1 | 145.1 | 12.9 | 1193.4 | -0.7 |
| | | | perm | I | -0.2 | -0.1 | 38.9 | 15.4 | 383.1 | -0.9 |
| | | | | CNT | -0.2 | -0.1 | 41.6 | 15.4 | 373.1 | -0.8 |
| | | | | J | -0.2 | -0.1 | 44.4 | 15.4 | 362.3 | -0.8 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 500 | 1 | 1 c mobili | Max | I | 2.0 | 1.4 | 198.6 | 103.1 | 1064.5 | 4.9 |
| | | | | CNT | 2.0 | 1.4 | 198.6 | 103.1 | 1027.4 | 4.9 |
| | | | | J | 2.0 | 1.4 | 198.6 | 103.1 | 1006.3 | 5.0 |
| | | | Min | I | -3.1 | -0.9 | -71.8 | -86.1 | -40.3 | -4.9 |
| | | | | CNT | -3.1 | -0.9 | -71.8 | -86.1 | -41.1 | -5.0 |
| | | | | J | -3.1 | -0.9 | -71.8 | -86.1 | -42.0 | -5.1 |
| | | | pp | I | -0.1 | -0.1 | 144.6 | 12.9 | 1193.5 | -0.7 |
| | | | | CNT | -0.1 | -0.1 | 151.5 | 13.5 | 1156.5 | -0.7 |
| | | | | J | -0.1 | -0.1 | 158.4 | 14.0 | 1117.8 | -0.7 |
| | | | perm | I | -0.2 | -0.1 | 43.0 | 16.7 | 362.4 | -0.8 |
| | | | | CNT | -0.2 | -0.1 | 45.7 | 16.7 | 351.3 | -0.8 |
| | | | | J | -0.2 | -0.1 | 48.5 | 16.7 | 339.5 | -0.8 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 501 | 1 | 1 c mobili | Max | I | 2.1 | 1.5 | 205.9 | 109.0 | 1006.6 | 4.6 |
| | | | | CNT | 2.1 | 1.5 | 205.9 | 109.0 | 965.5 | 4.7 |
| | | | | J | 2.1 | 1.5 | 205.9 | 109.0 | 942.2 | 4.8 |
| | | | Min | I | -2.9 | -0.8 | -66.4 | -90.7 | -42.0 | -4.6 |
| | | | | CNT | -2.9 | -0.8 | -66.4 | -90.7 | -42.8 | -4.7 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|------|-------|-------|--------|-------|------|
| | | | J | -2.9 | -0.8 | -66.4 | -90.7 | -43.6 | -4.8 | |
| | | PP | I | -0.1 | -0.1 | 157.9 | 14.0 | 1117.8 | -0.7 | |
| | | | CNT | -0.1 | -0.1 | 164.8 | 14.6 | 1077.5 | -0.7 | |
| | | | J | -0.1 | -0.1 | 171.7 | 15.1 | 1035.4 | -0.7 | |
| | | perm | I | -0.2 | -0.1 | 47.2 | 18.0 | 339.7 | -0.8 | |
| | | | CNT | -0.2 | -0.1 | 49.9 | 18.0 | 327.5 | -0.7 | |
| | | | J | -0.2 | -0.1 | 52.7 | 18.0 | 314.7 | -0.7 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 502 | 1 | 1 c mobili | Max | I | 2.1 | 1.5 | 213.5 | 114.4 | 942.5 | 4.4 |
| | | | | CNT | 2.1 | 1.5 | 213.5 | 114.4 | 897.2 | 4.4 |
| | | | | J | 2.1 | 1.5 | 213.5 | 114.4 | 871.6 | 4.5 |
| | | | Min | I | -2.8 | -0.8 | -60.4 | -95.2 | -43.6 | -4.3 |
| | | | | CNT | -2.8 | -0.8 | -60.4 | -95.2 | -44.5 | -4.4 |
| | | | | J | -2.8 | -0.8 | -60.4 | -95.2 | -45.3 | -4.5 |
| | | PP | I | -0.1 | -0.1 | 171.3 | 15.1 | 1035.5 | -0.7 | |
| | | | CNT | -0.1 | -0.1 | 178.1 | 15.7 | 991.9 | -0.6 | |
| | | | J | -0.1 | -0.1 | 185.0 | 16.2 | 946.5 | -0.6 | |
| | | perm | I | -0.2 | -0.1 | 51.4 | 19.2 | 314.8 | -0.7 | |
| | | | CNT | -0.2 | -0.1 | 54.1 | 19.2 | 301.6 | -0.7 | |
| | | | J | -0.2 | -0.1 | 56.9 | 19.2 | 287.8 | -0.6 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 503 | 1 | 1 c mobili | Max | I | 2.1 | 1.5 | 221.6 | 119.3 | 871.9 | 4.1 |
| | | | | CNT | 2.1 | 1.5 | 221.6 | 119.3 | 822.0 | 4.1 |
| | | | | J | 2.1 | 1.5 | 221.6 | 119.3 | 794.0 | 4.2 |
| | | | Min | I | -2.5 | -0.8 | -53.9 | -99.5 | -45.4 | -4.0 |
| | | | | CNT | -2.5 | -0.8 | -53.9 | -99.5 | -46.2 | -4.1 |
| | | | | J | -2.5 | -0.8 | -53.9 | -99.5 | -47.1 | -4.2 |
| | | PP | I | -0.1 | -0.1 | 184.7 | 16.2 | 946.6 | -0.6 | |
| | | | CNT | -0.1 | -0.1 | 191.5 | 16.8 | 899.5 | -0.6 | |
| | | | J | -0.1 | -0.1 | 198.4 | 17.3 | 850.8 | -0.6 | |
| | | perm | I | -0.2 | -0.1 | 55.7 | 20.3 | 287.9 | -0.6 | |
| | | | CNT | -0.2 | -0.1 | 58.4 | 20.3 | 273.6 | -0.6 | |
| | | | J | -0.2 | -0.1 | 61.2 | 20.3 | 258.7 | -0.6 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 504 | 1 | 1 c mobili | Max | I | 2.0 | 1.5 | 230.3 | 123.7 | 794.3 | 3.7 |
| | | | | CNT | 2.0 | 1.5 | 230.3 | 123.7 | 739.5 | 3.8 |
| | | | | J | 2.0 | 1.5 | 230.3 | 123.7 | 709.1 | 3.8 |
| | | | Min | I | -2.3 | -0.8 | -46.7 | -103.3 | -47.1 | -3.6 |
| | | | | CNT | -2.3 | -0.8 | -46.7 | -103.3 | -48.0 | -3.7 |
| | | | | J | -2.3 | -0.8 | -46.7 | -103.3 | -48.8 | -3.8 |
| | | PP | I | -0.1 | -0.1 | 198.1 | 17.2 | 850.9 | -0.6 | |
| | | | CNT | -0.1 | -0.1 | 205.0 | 17.8 | 800.5 | -0.5 | |
| | | | J | -0.1 | -0.1 | 211.9 | 18.3 | 748.4 | -0.5 | |
| | | perm | I | -0.1 | -0.1 | 60.1 | 21.3 | 258.8 | -0.6 | |
| | | | CNT | -0.1 | -0.1 | 62.9 | 21.3 | 243.4 | -0.5 | |
| | | | J | -0.1 | -0.1 | 65.6 | 21.3 | 227.4 | -0.5 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 505 | 1 | 1 c mobili | Max | I | 1.9 | 1.5 | 239.5 | 127.5 | 709.4 | 3.3 |
| | | | | CNT | 1.9 | 1.5 | 239.5 | 127.5 | 650.1 | 3.4 |
| | | | | J | 1.9 | 1.5 | 239.5 | 127.5 | 616.2 | 3.4 |
| | | | Min | I | -2.1 | -0.7 | -38.9 | -106.6 | -48.9 | -3.3 |
| | | | | CNT | -2.1 | -0.7 | -38.9 | -106.6 | -49.7 | -3.3 |
| | | | | J | -2.1 | -0.7 | -38.9 | -106.6 | -50.6 | -3.5 |
| | | PP | I | -0.1 | -0.2 | 211.7 | 18.2 | 748.5 | -0.5 | |
| | | | CNT | -0.1 | -0.2 | 218.6 | 18.7 | 694.7 | -0.5 | |
| | | | J | -0.1 | -0.2 | 225.5 | 19.3 | 639.2 | -0.4 | |
| | | perm | I | -0.1 | -0.1 | 64.6 | 22.2 | 227.5 | -0.5 | |
| | | | CNT | -0.1 | -0.1 | 67.4 | 22.2 | 211.0 | -0.4 | |
| | | | J | -0.1 | -0.1 | 70.1 | 22.2 | 193.8 | -0.4 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|--------------|-----|------------|--------------|-----|------------|------------|--------------|-------|--------|-------|-------|-------|-----|
| 506 | 1 | 1 c mobili | Max | I | 1.8 | 1.4 | 249.4 | 130.5 | 616.5 | 2.9 | | | |
| | | | | CNT | 1.8 | 1.4 | 249.4 | 130.5 | 554.5 | 2.9 | | | |
| | | | | J | 1.8 | 1.4 | 249.4 | 130.5 | 514.7 | 2.9 | | | |
| | | | | Min | I | -1.8 | -0.8 | -30.2 | -109.1 | -50.6 | -2.9 | | |
| | | | | | CNT | -1.8 | -0.8 | -30.2 | -109.1 | -51.5 | -3.0 | | |
| | | | | | J | -1.8 | -0.8 | -30.2 | -109.1 | -52.3 | -3.1 | | |
| | | | pp | I | -0.0 | -0.2 | 225.4 | 19.0 | 639.3 | -0.4 | | | |
| | | | | CNT | -0.0 | -0.2 | 232.3 | 19.6 | 582.1 | -0.4 | | | |
| | | | | J | -0.0 | -0.2 | 239.2 | 20.1 | 523.1 | -0.3 | | | |
| | | | perm | I | -0.1 | -0.1 | 69.3 | 23.0 | 194.0 | -0.4 | | | |
| | | | | CNT | -0.1 | -0.1 | 72.1 | 23.0 | 176.3 | -0.3 | | | |
| | | | | J | -0.1 | -0.1 | 74.8 | 23.0 | 158.0 | -0.3 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | | Type: Beam | Section: cap | | | | | | |
| | | | 507 | 1 | 1 c mobili | Max | I | 1.6 | 1.1 | 260.2 | 132.8 | 514.9 | 2.4 |
| | | | | | | | CNT | 1.6 | 1.1 | 260.2 | 132.8 | 450.2 | 2.4 |
| J | 1.6 | 1.1 | | | | | 260.2 | 132.8 | 403.8 | 2.4 | | | |
| Min | I | -1.5 | | | | | -0.8 | -20.7 | -110.7 | -52.4 | -2.4 | | |
| | CNT | -1.5 | | | | | -0.8 | -20.7 | -110.7 | -53.2 | -2.5 | | |
| | J | -1.5 | | | | | -0.8 | -20.7 | -110.7 | -54.1 | -2.7 | | |
| pp | I | 0.0 | | | | -0.2 | 239.3 | 19.7 | 523.3 | -0.3 | | | |
| | CNT | 0.0 | | | | -0.2 | 246.2 | 20.3 | 462.6 | -0.3 | | | |
| | J | 0.0 | | | | -0.2 | 253.1 | 20.8 | 400.2 | -0.2 | | | |
| perm | I | -0.0 | | | | -0.1 | 74.3 | 23.5 | 158.1 | -0.3 | | | |
| | CNT | -0.0 | | | | -0.1 | 77.0 | 23.5 | 139.2 | -0.2 | | | |
| | J | -0.0 | | | | -0.1 | 79.8 | 23.5 | 119.6 | -0.2 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | | | | | Type: Beam | Section: cap | | | | | | |
| 508 | 1 | 1 c mobili | | | | Max | I | 1.3 | 0.9 | 271.8 | 134.1 | 404.0 | 1.9 |
| | | | | | | | CNT | 1.3 | 0.9 | 271.8 | 134.1 | 336.2 | 1.9 |
| | | | J | 1.3 | 0.9 | | 271.8 | 134.1 | 282.8 | 1.9 | | | |
| | | | Min | I | -1.2 | | -1.0 | -13.1 | -110.9 | -54.1 | -2.1 | | |
| | | | | CNT | -1.2 | | -1.0 | -13.1 | -110.9 | -54.9 | -2.2 | | |
| | | | | J | -1.2 | | -1.0 | -13.1 | -110.9 | -55.8 | -2.4 | | |
| | | | pp | I | 0.1 | -0.2 | 253.5 | 20.2 | 400.3 | -0.2 | | | |
| | | | | CNT | 0.1 | -0.2 | 260.3 | 20.8 | 336.1 | -0.1 | | | |
| | | | | J | 0.1 | -0.2 | 267.2 | 21.3 | 270.1 | -0.1 | | | |
| | | | perm | I | 0.0 | -0.1 | 79.5 | 23.7 | 119.8 | -0.1 | | | |
| | | | | CNT | 0.0 | -0.1 | 82.3 | 23.7 | 99.5 | -0.1 | | | |
| | | | | J | 0.0 | -0.1 | 85.0 | 23.7 | 78.6 | -0.1 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | | Type: Beam | Section: cap | | | | | | |
| | | | 509 | 1 | 1 c mobili | Max | I | 1.1 | 0.8 | 284.2 | 134.0 | 282.9 | 1.4 |
| | | | | | | | CNT | 1.1 | 0.8 | 284.2 | 134.0 | 212.3 | 1.4 |
| J | 1.1 | 0.8 | | | | | 284.2 | 134.0 | 152.9 | 1.4 | | | |
| Min | I | -1.0 | | | | | -1.2 | -8.8 | -109.3 | -55.8 | -1.9 | | |
| | CNT | -1.0 | | | | | -1.2 | -8.8 | -109.3 | -56.9 | -1.9 | | |
| | J | -1.0 | | | | | -1.2 | -8.8 | -109.3 | -59.4 | -1.9 | | |
| pp | I | 0.1 | | | | -0.2 | 268.0 | 20.4 | 270.2 | -0.1 | | | |
| | CNT | 0.1 | | | | -0.2 | 274.8 | 20.9 | 202.4 | -0.0 | | | |
| | J | 0.1 | | | | -0.2 | 281.7 | 21.5 | 132.8 | 0.0 | | | |
| perm | I | 0.1 | | | | -0.1 | 85.3 | 23.4 | 78.8 | -0.0 | | | |
| | CNT | 0.1 | | | | -0.1 | 88.0 | 23.4 | 57.1 | -0.0 | | | |
| | J | 0.1 | | | | -0.1 | 90.8 | 23.4 | 34.8 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | | | | | Type: Beam | Section: cap | | | | | | |
| 510 | 1 | 1 c mobili | | | | Max | I | 0.9 | 0.7 | 296.9 | 132.2 | 152.7 | 1.0 |
| | | | | | | | CNT | 0.9 | 0.7 | 296.9 | 132.2 | 92.7 | 1.0 |
| | | | J | 0.9 | 0.7 | | 296.9 | 132.2 | 58.7 | 1.1 | | | |
| | | | Min | I | -0.9 | | -1.5 | -9.1 | -105.0 | -59.3 | -1.6 | | |
| | | | | CNT | -0.9 | | -1.5 | -9.1 | -105.0 | -65.6 | -1.4 | | |
| | | | | J | -0.9 | | -1.5 | -9.1 | -105.0 | -81.3 | -1.4 | | |
| | | | pp | I | 0.1 | -0.2 | 283.0 | 20.1 | 132.9 | 0.0 | | | |
| | | | | CNT | 0.1 | -0.2 | 289.9 | 20.6 | 61.3 | 0.1 | | | |
| | | | | J | 0.1 | -0.2 | 296.7 | 21.2 | -12.0 | 0.2 | | | |
| | | | perm | I | 0.1 | -0.1 | 91.7 | 22.5 | 34.9 | 0.1 | | | |
| | | | | CNT | 0.1 | -0.1 | 94.4 | 22.5 | 11.7 | 0.1 | | | |
| | | | | J | 0.1 | -0.1 | 97.2 | 22.5 | -12.3 | 0.1 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|--|---|------------|------|-----|------|------|--------|-------|-------|-------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 511 | 1 | 1 c mobili | Max | I | 0.7 | 0.6 | 87.2 | 127.7 | 57.8 | 0.7 | |
| | | | | CNT | 0.7 | 0.6 | 87.2 | 127.7 | 36.1 | 0.8 | |
| | | | | J | 0.7 | 0.6 | 87.2 | 127.7 | 15.0 | 1.0 | |
| | | | Min | I | -0.7 | -1.7 | -150.4 | -97.9 | -80.9 | -1.1 | |
| | | | | CNT | -0.7 | -1.7 | -150.4 | -97.9 | -43.4 | -1.0 | |
| | | | | J | -0.7 | -1.7 | -150.4 | -97.9 | -18.6 | -1.0 | |
| | | | | PP | I | 0.1 | -0.2 | -27.3 | 19.0 | -11.9 | 0.1 |
| | | | | CNT | 0.1 | -0.2 | -20.5 | 19.6 | -5.9 | 0.2 | |
| | | | | J | 0.1 | -0.2 | -13.6 | 20.1 | -1.7 | 0.2 | |
| | | | perm | I | 0.1 | -0.1 | -22.0 | 20.4 | -12.1 | 0.1 | |
| | | | | CNT | 0.1 | -0.1 | -19.3 | 20.4 | -7.0 | 0.1 | |
| | | | | J | 0.1 | -0.1 | -16.5 | 20.4 | -2.5 | 0.1 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 512 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 Type: Beam Section: traverso cap | | | | | | | | | | | |
| 513 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 Type: Beam Section: soletta | | | | | | | | | | | |
| 514 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 Type: Beam Section: soletta | | | | | | | | | | | |
| 515 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|------|-----|------|-----|-----|
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 516 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 517 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 518 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 519 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 520 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|------|-----|------|-----|-----|
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 521 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 522 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 523 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 524 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 525 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|------|-----|------|-----|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 526 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 527 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 528 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 529 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---------------|------------|------------------|-----|-----|------|-----|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 530 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 531 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 532 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 533 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 534 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|------|-----|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 535 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 536 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 537 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 538 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 539 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|------------|-----|---|-----|-----|------|-----|------|-----|-----|
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | Length = 1.25 Type: Beam Section: soletta | | | | | | | |
| 540 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | Length = 1.25 Type: Beam Section: soletta | | | | | | | |
| 541 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | Length = 1.25 Type: Beam Section: soletta | | | | | | | |
| 542 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | Length = 1.25 Type: Beam Section: soletta | | | | | | | |
| 543 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | Length = 1.25 Type: Beam Section: soletta | | | | | | | |
| 544 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|------|-----|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 545 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 546 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 547 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 548 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | |
|---------------|---|------------|-----|------------------|-----|-----|------|-----|------|-----|-----|
| Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | | |
| 549 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | | |
| 550 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | | |
| 551 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | | |
| 552 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | | |
| 553 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|------|-----|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 554 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 555 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 556 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 557 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 558 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------------|-----|-----|-----|-----|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: trasverso cap | | | | | | | |
| 559 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: trasverso cap | | | | | | | |
| 560 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 561 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 562 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 563 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|-----|------|-----|
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 564 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 565 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 566 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 567 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|---------------|-----|------------|------------------|-----|------------|------------------|-----|-----|------|-----|-----|-----|-----|
| Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | | | | |
| 568 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | | | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 569 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | J | 0.0 | | | | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | | | |
| PP | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| perm | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 1.25 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 570 | 2 | 3 c mobili | | | | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | | | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| | | | 571 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | J | 0.0 | | | | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | | | |
| PP | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| perm | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 1.25 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 572 | 2 | 3 c mobili | | | | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | | | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---------------|------------|------|------------------|-----|-----|-----|-----|------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | | Section: soletta | | | | | | | |
| 573 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | | Section: soletta | | | | | | | |
| 574 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | | Section: soletta | | | | | | | |
| 575 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | | Section: soletta | | | | | | | |
| 576 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | Type: Beam | | Section: soletta | | | | | | | |
| 577 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 578 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 579 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 580 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 581 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 582 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|------------|---------------|------------|------------------|-----|-----|-----|-----|------|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 583 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 584 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 585 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |
| 586 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|-----|-----|------|-----|
| 587 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 1.25 Type: Beam Section: soletta

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|-----|-----|------|-----|
| 588 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 1.25 Type: Beam Section: soletta

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|-----|-----|------|-----|
| 589 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 1.25 Type: Beam Section: soletta

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|-----|-----|------|-----|
| 590 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 1.25 Type: Beam Section: soletta

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|-----|-----|------|-----|
| 591 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|-----|------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 592 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 593 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 594 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 595 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 596 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|-----|------|-----|
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 597 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 598 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 599 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 600 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 601 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---|---------------|------------|-----------------------|-----|-----|-----|------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 602 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 603 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 604 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 605 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: traverso cap | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

| Node | LC | FX | FY | FZ | MX | MY | MZ |
|------------------------------|------|--------|--------|--------|-----|-----|-----|
| 2 c mobili | Max | 0.0 | 0.0 | 62.2 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -21.0 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 326.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 121.2 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 46 c mobili | Max | 0.0 | 0.0 | 62.2 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -21.0 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 326.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 121.2 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49 c mobili | Max | 0.0 | 0.0 | 282.4 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -34.1 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 285.0 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93 c mobili | Max | 0.0 | 0.0 | 282.4 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -34.1 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 285.0 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96 c mobili | Max | 0.0 | 0.0 | 351.3 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -15.8 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.0 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140 c mobili | Max | 0.0 | 0.0 | 351.3 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -15.8 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.0 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 143 c mobili | Max | 0.0 | 0.0 | 389.5 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -3.8 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.0 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 187 c mobili | Max | 0.0 | 0.0 | 389.5 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -3.8 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.0 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190 c mobili | Max | 0.0 | 0.0 | 344.9 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -20.7 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 285.0 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 234 c mobili | Max | 0.0 | 0.0 | 344.9 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -20.7 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 285.0 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 237 c mobili | Max | 0.0 | 0.0 | 325.3 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -40.1 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 326.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 121.2 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 281 c mobili | Max | 0.0 | 0.0 | 325.3 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -40.1 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 326.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 121.2 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUMMATION OF REACTION FORCES | | | | | | | |
| | LC | SUM-FX | SUM-FY | SUM-FZ | | | |
| | pp | 0.0 | 0.0 | 3609.0 | | | |
| | perm | 0.0 | 0.0 | 1058.0 | | | |
| | acc | 0.0 | 0.0 | 0.0 | | | |

13.Tabulati di output – Stato di Progetto Impalcato

```
*****
**                               Gen 2012                               Modeling, Integrated Design & Analysis Software                               **
**                               GENERAL STRUCTURE DESIGN SYSTEM                               **
*****

      XXX  XXX  XX  XXXXXXXX  XXXXXXXX  XXXXXXXX
      XXXX XXXX  XX  XX  XX  XX  XX  XX  XX  XX
      XX XXX XX  XX  XX  XX  XX  XX  XX  XX
      XX X XX  XX  XX  XX  XXXXXXXX  XXXXXXXX
      XXX  XX  XXX  XXX  XX  XX  XX  XXX
      XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
      XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
      XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Gen

                               Gen 2012

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                               ALL RIGHTS RESERVED.                               MIDAS TEAM
*****
```

ANALYSIS RESULT OUTPUT

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

| ABBREVIATION | FULL NAME | TYPE | DESCRIPTION |
|---|-----------|------|-------------|
| ----- | | | |
| No Abbreviation was defined in this Load Set. All names are less than 8 char.'s | | | |
| ----- | | | |

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Cases]]

| LOAD CASE | ANAL. TYPE | DESCRIPTION | STATIC LOAD CASE | DETAIL | TYPE |
|-----------|------------|-------------|------------------|--------|---------------|
| c mobili | Moving | | | | |
| pp | Static | | | | Dead Load (D) |
| perm | Static | | | | Dead Load (D) |
| acc | Static | | | | Live Load (L) |

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

| ABBREVIATION | FULL NAME | TYPE | DESCRIPTION |
|---|-----------|------|-------------|
| ----- | | | |
| No Abbreviation was defined in this Load Set. All names are less than 8 char.'s | | | |
| ----- | | | |

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Cases]]

| LOAD CASE | ANAL. TYPE | DESCRIPTION | STATIC LOAD CASE | DETAIL | TYPE |
|-----------|------------|-------------|------------------|--------|---------------|
| c mobili | Moving | | | | |
| pp | Static | | | | Dead Load (D) |
| perm | Static | | | | Dead Load (D) |
| acc | Static | | | | Live Load (L) |

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

| ELEM | MAT | SEC | LC | PT | AXIAL | SHEAR-y | SHEAR-z | TORSION | MOMENT-y | MOMENT-z | |
|------|-----|-----|----------|-----|-------|---------|---------|---------|----------|----------|-----|
| 1 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 38.6 | 27.7 | 14.4 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 38.6 | 27.7 | 33.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 38.6 | 27.7 | 53.9 | 0.0 |
| | | | | Min | I | 0.0 | 0.0 | -79.8 | -102.6 | -4.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -79.8 | -102.6 | -12.5 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -79.8 | -102.6 | -22.1 | 0.0 |
| | | | | | PP | 0.0 | 0.0 | 0.6 | 1.4 | -0.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 7.0 | 1.4 | -1.2 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|---|---|--------------|------------|--------------|-----|-------|--------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | 13.4 | 1.4 | -3.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 17.7 | 23.0 | -2.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 20.5 | 23.0 | -7.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 23.2 | 23.0 | -13.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 2 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 7.8 | 25.4 | 54.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 7.8 | 25.4 | 79.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.8 | 25.4 | 108.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -128.2 | -111.3 | -22.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -128.2 | -111.3 | -20.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -128.2 | -111.3 | -19.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -279.9 | 1.4 | -3.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -273.5 | 1.4 | 65.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -267.2 | 1.4 | 133.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -96.2 | 25.1 | -13.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -93.5 | 25.1 | 10.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -90.7 | 25.1 | 33.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 3 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 5.7 | 23.5 | 109.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.7 | 23.5 | 141.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 5.7 | 23.5 | 173.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -132.0 | -115.0 | -19.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -132.0 | -115.0 | -20.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -132.0 | -115.0 | -21.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -267.2 | 1.4 | 133.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -260.8 | 1.4 | 199.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -254.4 | 1.4 | 263.4 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -89.8 | 26.0 | 33.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -87.0 | 26.0 | 55.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -84.3 | 26.0 | 76.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 4 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 4.2 | 21.7 | 174.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 4.2 | 21.7 | 206.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 4.2 | 21.7 | 239.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -132.6 | -115.5 | -21.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -132.6 | -115.5 | -22.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -132.6 | -115.5 | -23.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -254.4 | 1.4 | 263.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -248.0 | 1.4 | 326.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -241.7 | 1.4 | 387.4 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -84.1 | 26.3 | 76.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -81.3 | 26.3 | 97.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -78.6 | 26.3 | 117.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 5 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 3.3 | 20.2 | 240.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.3 | 20.2 | 272.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.3 | 20.2 | 305.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -131.1 | -114.1 | -23.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -131.1 | -114.1 | -24.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -131.1 | -114.1 | -24.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -241.7 | 1.4 | 387.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -235.3 | 1.4 | 447.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -228.9 | 1.4 | 505.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -78.8 | 26.0 | 117.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -76.1 | 26.0 | 136.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -73.3 | 26.0 | 155.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 6 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 18.9 | 305.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 18.9 | 337.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 18.9 | 368.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -128.4 | -111.3 | -24.7 | 0.0 |

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|----|---|--------------|------------|--------------|-----|--------|--------|--------|-------|-----|
| | | | CNT | 0.0 | 0.0 | -128.4 | -111.3 | -25.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -128.4 | -111.3 | -25.8 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -228.9 | 1.4 | 505.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -222.6 | 1.4 | 561.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -216.2 | 1.4 | 616.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -73.9 | 25.5 | 154.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -71.2 | 25.5 | 173.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -68.4 | 25.5 | 190.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 7 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 18.3 | 369.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 18.3 | 399.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 18.3 | 429.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -124.8 | -107.8 | -25.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -124.8 | -107.8 | -26.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -124.8 | -107.8 | -26.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -216.2 | 1.3 | 616.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -209.8 | 1.3 | 669.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -203.5 | 1.3 | 721.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -69.2 | 24.7 | 190.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -66.5 | 24.7 | 207.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -63.7 | 24.7 | 223.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 8 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 19.4 | 430.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 19.4 | 458.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 19.4 | 487.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -120.6 | -103.8 | -26.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -120.6 | -103.8 | -26.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -120.6 | -103.8 | -26.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -203.5 | 1.3 | 721.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -197.1 | 1.3 | 771.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -190.7 | 1.3 | 819.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -64.7 | 23.7 | 223.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -62.0 | 23.7 | 239.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -59.2 | 23.7 | 254.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 9 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 22.0 | 487.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 22.0 | 515.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 22.0 | 542.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -116.1 | -99.6 | -26.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -116.1 | -99.6 | -27.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -116.1 | -99.6 | -27.1 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -190.8 | 1.2 | 819.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -184.4 | 1.2 | 866.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -178.0 | 1.2 | 912.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -60.3 | 22.6 | 254.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -57.6 | 22.6 | 269.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -54.8 | 22.6 | 283.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 10 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 3.9 | 24.8 | 542.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.9 | 24.8 | 567.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.9 | 24.8 | 593.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.4 | -95.2 | -27.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -111.4 | -95.2 | -27.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -111.4 | -95.2 | -27.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -178.0 | 1.2 | 912.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -171.7 | 1.2 | 955.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -165.3 | 1.2 | 997.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -56.1 | 21.3 | 282.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -53.3 | 21.3 | 296.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -50.6 | 21.3 | 309.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|-----|-----|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 11 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 6.3 | 27.6 | 593.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.3 | 27.6 | 616.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.3 | 27.6 | 640.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -106.7 | -90.7 | -27.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -106.7 | -90.7 | -27.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -106.7 | -90.7 | -26.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -165.3 | 1.1 | 997.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -158.9 | 1.1 | 1038.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -152.6 | 1.1 | 1077.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -51.9 | 20.0 | 309.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -49.1 | 20.0 | 322.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -46.4 | 20.0 | 334.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 12 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 9.2 | 30.4 | 641.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 9.2 | 30.4 | 662.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 9.2 | 30.4 | 684.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -101.9 | -86.1 | -26.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -101.9 | -86.1 | -26.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -101.9 | -86.1 | -26.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -152.6 | 1.0 | 1077.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -146.2 | 1.0 | 1114.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -139.8 | 1.0 | 1150.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -47.8 | 18.6 | 333.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -45.0 | 18.6 | 345.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -42.3 | 18.6 | 356.3 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 13 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 12.2 | 32.9 | 684.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.2 | 32.9 | 704.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.2 | 32.9 | 724.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -97.1 | -81.6 | -26.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -97.1 | -81.6 | -26.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -97.1 | -81.6 | -26.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -139.9 | 1.0 | 1150.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -133.5 | 1.0 | 1184.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -127.1 | 1.0 | 1217.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -43.7 | 17.2 | 356.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -41.0 | 17.2 | 366.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.2 | 17.2 | 376.7 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|-----|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 14 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 15.4 | 35.1 | 724.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 15.4 | 35.1 | 742.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 15.4 | 35.1 | 760.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -92.3 | -77.1 | -26.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -92.3 | -77.1 | -26.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -92.3 | -77.1 | -25.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -127.1 | 0.9 | 1217.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -120.8 | 0.9 | 1248.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -114.4 | 0.9 | 1277.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -39.7 | 15.6 | 376.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -36.9 | 15.6 | 386.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -34.2 | 15.6 | 395.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 15 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 18.5 | 36.9 | 760.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 18.5 | 36.9 | 775.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 18.5 | 36.9 | 792.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -87.5 | -72.6 | -25.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -87.5 | -72.6 | -25.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -87.5 | -72.6 | -25.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -114.4 | 0.8 | 1277.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -108.1 | 0.8 | 1305.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -101.7 | 0.8 | 1331.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -35.7 | 14.1 | 394.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -33.0 | 14.1 | 403.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -30.2 | 14.1 | 411.4 | 0.0 |

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|----|--------------|------------|------------|--------------|-----|-----|--------|-------|--------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 16 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 21.7 | 38.4 | 793.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 21.7 | 38.4 | 806.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 21.7 | 38.4 | 821.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -82.8 | -68.2 | -25.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -82.8 | -68.2 | -24.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -82.8 | -68.2 | -24.6 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -101.7 | 0.7 | 1331.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -95.3 | 0.7 | 1356.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -89.0 | 0.7 | 1379.1 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -31.8 | 12.5 | 411.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -29.0 | 12.5 | 418.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -26.3 | 12.5 | 425.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 17 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 24.8 | 39.5 | 821.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 24.8 | 39.5 | 832.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 24.8 | 39.5 | 845.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -78.1 | -63.8 | -24.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -78.1 | -63.8 | -24.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -78.1 | -63.8 | -23.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -89.0 | 0.6 | 1379.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -82.6 | 0.6 | 1400.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -76.3 | 0.6 | 1420.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -27.8 | 10.9 | 425.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -25.1 | 10.9 | 432.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -22.3 | 10.9 | 438.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 18 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 27.9 | 40.3 | 845.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 27.9 | 40.3 | 855.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 27.9 | 40.3 | 866.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -73.5 | -61.0 | -23.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -73.5 | -61.0 | -23.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -73.5 | -61.0 | -23.2 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -76.3 | 0.5 | 1420.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -69.9 | 0.5 | 1438.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -63.5 | 0.5 | 1455.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -24.0 | 9.3 | 438.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -21.2 | 9.3 | 443.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.5 | 9.3 | 448.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 19 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 31.2 | 40.9 | 866.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 31.2 | 40.9 | 874.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 31.2 | 40.9 | 882.9 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -68.9 | -58.4 | -23.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -68.9 | -58.4 | -22.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -68.9 | -58.4 | -22.4 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -63.6 | 0.5 | 1455.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -57.2 | 0.5 | 1470.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -50.8 | 0.5 | 1484.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -20.1 | 7.6 | 448.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -17.3 | 7.6 | 453.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -14.6 | 7.6 | 457.4 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 20 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 34.9 | 42.0 | 883.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 34.9 | 42.0 | 889.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 34.9 | 42.0 | 896.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -64.3 | -55.8 | -22.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -64.3 | -55.8 | -22.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -64.3 | -55.8 | -21.7 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -50.9 | 0.4 | 1484.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -44.5 | 0.4 | 1495.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -38.1 | 0.4 | 1506.2 | 0.0 | |

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|----|---|--------------|------------|--------------|-----|-----|-------|-------|--------|-----|
| | | | perm | I | 0.0 | 0.0 | -16.2 | 5.9 | 457.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -13.5 | 5.9 | 461.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -10.7 | 5.9 | 464.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 21 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 38.7 | 43.4 | 896.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 38.7 | 43.4 | 900.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 38.7 | 43.4 | 905.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -59.8 | -53.3 | -21.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -59.8 | -53.3 | -21.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -59.8 | -53.3 | -20.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -38.1 | 0.3 | 1506.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -31.8 | 0.3 | 1515.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -25.4 | 0.3 | 1522.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -12.4 | 4.2 | 464.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.6 | 4.2 | 466.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.9 | 4.2 | 468.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 22 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 42.6 | 44.7 | 905.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 42.6 | 44.7 | 907.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 42.6 | 44.7 | 911.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -55.3 | -50.9 | -20.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -55.3 | -50.9 | -20.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -55.3 | -50.9 | -20.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -25.4 | 0.2 | 1522.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.1 | 0.2 | 1527.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.7 | 0.2 | 1531.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -8.5 | 2.6 | 468.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.8 | 2.6 | 470.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.0 | 2.6 | 471.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 23 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 46.7 | 46.5 | 911.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 46.7 | 46.5 | 911.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 46.7 | 46.5 | 913.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -51.0 | -48.6 | -20.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -51.0 | -48.6 | -19.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -51.0 | -48.6 | -19.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -12.7 | 0.1 | 1531.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.4 | 0.1 | 1534.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.1 | 1534.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -4.7 | 0.9 | 471.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.9 | 0.9 | 472.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.8 | 0.9 | 472.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 24 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 51.0 | 48.6 | 913.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 51.0 | 48.6 | 911.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 51.0 | 48.6 | 911.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -46.7 | -46.5 | -19.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -46.7 | -46.5 | -19.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -46.7 | -46.5 | -20.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -0.0 | -0.1 | 1534.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.4 | -0.1 | 1534.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.7 | -0.1 | 1531.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.9 | 472.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | -0.9 | 472.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 4.7 | -0.9 | 471.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 25 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 55.3 | 50.9 | 911.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 55.3 | 50.9 | 907.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 55.3 | 50.9 | 905.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -42.6 | -44.7 | -20.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -42.6 | -44.7 | -20.5 | 0.0 |

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| | | | | | | | | | | |
|----|---|--------------|------------|--------------|-----|-------|-------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | -42.6 | -44.7 | -20.9 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 12.7 | -0.2 | 1531.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 19.1 | -0.2 | 1527.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 25.4 | -0.2 | 1522.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 3.0 | -2.6 | 471.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 5.8 | -2.6 | 470.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 8.5 | -2.6 | 468.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 26 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 59.8 | 53.3 | 905.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 59.8 | 53.3 | 900.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 59.8 | 53.3 | 896.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -38.7 | -43.4 | -20.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -38.7 | -43.4 | -21.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.7 | -43.4 | -21.7 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 25.4 | -0.3 | 1522.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 31.8 | -0.3 | 1515.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 38.1 | -0.3 | 1506.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 6.9 | -4.2 | 468.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 9.6 | -4.2 | 466.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | 12.4 | -4.2 | 464.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 27 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 64.3 | 55.8 | 896.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 64.3 | 55.8 | 889.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 64.3 | 55.8 | 883.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -34.9 | -42.0 | -21.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -34.9 | -42.0 | -22.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -34.9 | -42.0 | -22.4 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 38.1 | -0.4 | 1506.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 44.5 | -0.4 | 1495.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 50.9 | -0.4 | 1484.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 10.7 | -5.9 | 464.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 13.5 | -5.9 | 461.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 16.2 | -5.9 | 457.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 28 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 68.9 | 58.4 | 882.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 68.9 | 58.4 | 874.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 68.9 | 58.4 | 866.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -31.2 | -40.9 | -22.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -31.2 | -40.9 | -22.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -31.2 | -40.9 | -23.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 50.8 | -0.5 | 1484.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 57.2 | -0.5 | 1470.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 63.6 | -0.5 | 1455.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 14.6 | -7.6 | 457.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 17.3 | -7.6 | 453.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 20.1 | -7.6 | 448.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 29 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 73.5 | 61.0 | 866.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 73.5 | 61.0 | 855.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.5 | 61.0 | 845.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -27.9 | -40.3 | -23.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -27.9 | -40.3 | -23.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -27.9 | -40.3 | -23.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 63.5 | -0.5 | 1455.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 69.9 | -0.5 | 1438.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 76.3 | -0.5 | 1420.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 18.5 | -9.3 | 448.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 21.2 | -9.3 | 443.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 24.0 | -9.3 | 438.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|--------------|---|------------|--------------|-----|-----|-----|-------|-------|--------|-----|
| 30 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 78.1 | 63.8 | 845.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 78.1 | 63.8 | 832.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 78.1 | 63.8 | 821.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -24.8 | -39.5 | -23.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -24.8 | -39.5 | -24.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -24.8 | -39.5 | -24.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 76.3 | -0.6 | 1420.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 82.6 | -0.6 | 1400.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 89.0 | -0.6 | 1379.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 22.3 | -10.9 | 438.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.1 | -10.9 | 432.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 27.8 | -10.9 | 425.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 31 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 82.8 | 68.2 | 821.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 82.8 | 68.2 | 806.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 82.8 | 68.2 | 793.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -21.7 | -38.4 | -24.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -21.7 | -38.4 | -24.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -21.7 | -38.4 | -25.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 89.0 | -0.7 | 1379.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 95.3 | -0.7 | 1356.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 101.7 | -0.7 | 1331.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 26.3 | -12.5 | 425.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 29.0 | -12.5 | 418.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 31.8 | -12.5 | 411.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 32 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 87.5 | 72.6 | 792.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 87.5 | 72.6 | 775.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 87.5 | 72.6 | 760.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.5 | -36.9 | -25.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.5 | -36.9 | -25.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.5 | -36.9 | -25.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 101.7 | -0.8 | 1331.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 108.1 | -0.8 | 1305.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 114.4 | -0.8 | 1277.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 30.2 | -14.1 | 411.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 33.0 | -14.1 | 403.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 35.7 | -14.1 | 394.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 33 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 92.3 | 77.1 | 760.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 92.3 | 77.1 | 742.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 92.3 | 77.1 | 724.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -15.4 | -35.1 | -25.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -15.4 | -35.1 | -26.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -15.4 | -35.1 | -26.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 114.4 | -0.9 | 1277.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 120.8 | -0.9 | 1248.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 127.1 | -0.9 | 1217.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 34.2 | -15.6 | 395.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 36.9 | -15.6 | 386.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 39.7 | -15.6 | 376.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 34 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 97.1 | 81.6 | 724.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 97.1 | 81.6 | 704.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 97.1 | 81.6 | 684.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -12.2 | -32.9 | -26.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -12.2 | -32.9 | -26.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.2 | -32.9 | -26.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 127.1 | -1.0 | 1217.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 133.5 | -1.0 | 1184.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 139.9 | -1.0 | 1150.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 38.2 | -17.2 | 376.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 41.0 | -17.2 | 366.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 43.7 | -17.2 | 356.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|----|--------------|------------|--------------|-----|-----|-------|-------|--------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 35 | 1 | 1 c mobili | Max I | 0.0 | 0.0 | 101.9 | 86.1 | 684.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 101.9 | 86.1 | 662.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 101.9 | 86.1 | 641.1 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -9.2 | -30.4 | -26.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.2 | -30.4 | -26.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.2 | -30.4 | -26.9 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 139.8 | -1.0 | 1150.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 146.2 | -1.0 | 1114.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 152.6 | -1.0 | 1077.2 | 0.0 |
| | | | perm I | 0.0 | 0.0 | 42.3 | -18.6 | 356.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 45.0 | -18.6 | 345.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 47.8 | -18.6 | 333.8 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 36 | 1 | 1 c mobili | Max I | 0.0 | 0.0 | 106.7 | 90.7 | 640.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 106.7 | 90.7 | 616.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 106.7 | 90.7 | 593.8 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -6.3 | -27.6 | -26.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -6.3 | -27.6 | -27.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -6.3 | -27.6 | -27.1 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 152.6 | -1.1 | 1077.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 158.9 | -1.1 | 1038.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 165.3 | -1.1 | 997.8 | 0.0 |
| | | | perm I | 0.0 | 0.0 | 46.4 | -20.0 | 334.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 49.1 | -20.0 | 322.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 51.9 | -20.0 | 309.4 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 37 | 1 | 1 c mobili | Max I | 0.0 | 0.0 | 111.4 | 95.2 | 593.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 111.4 | 95.2 | 567.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 111.4 | 95.2 | 542.4 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -3.9 | -24.8 | -27.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -3.9 | -24.8 | -27.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -3.9 | -24.8 | -27.1 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 165.3 | -1.2 | 997.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 171.7 | -1.2 | 955.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 178.0 | -1.2 | 912.0 | 0.0 |
| | | | perm I | 0.0 | 0.0 | 50.6 | -21.3 | 309.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 53.3 | -21.3 | 296.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 56.1 | -21.3 | 282.9 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 38 | 1 | 1 c mobili | Max I | 0.0 | 0.0 | 116.1 | 99.6 | 542.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 116.1 | 99.6 | 515.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 116.1 | 99.6 | 487.9 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -3.0 | -22.0 | -27.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -3.0 | -22.0 | -27.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -3.0 | -22.0 | -26.9 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 178.0 | -1.2 | 912.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 184.4 | -1.2 | 866.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 190.8 | -1.2 | 819.8 | 0.0 |
| | | | perm I | 0.0 | 0.0 | 54.8 | -22.6 | 283.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 57.6 | -22.6 | 269.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 60.3 | -22.6 | 254.2 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 39 | 1 | 1 c mobili | Max I | 0.0 | 0.0 | 120.6 | 103.8 | 487.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 120.6 | 103.8 | 458.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 120.6 | 103.8 | 430.2 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -3.0 | -19.4 | -26.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -3.0 | -19.4 | -26.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -3.0 | -19.4 | -26.5 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 190.7 | -1.3 | 819.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 197.1 | -1.3 | 771.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 203.5 | -1.3 | 721.2 | 0.0 |

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|----|---|--------------|------------|--------------|-----|-----|-------|-------|-------|-----|
| | | | perm | I | 0.0 | 0.0 | 59.2 | -23.7 | 254.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 62.0 | -23.7 | 239.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 64.7 | -23.7 | 223.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 40 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 124.8 | 107.8 | 429.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 124.8 | 107.8 | 399.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 124.8 | 107.8 | 369.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -3.0 | -18.3 | -26.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.0 | -18.3 | -26.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.0 | -18.3 | -25.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 203.5 | -1.3 | 721.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 209.8 | -1.3 | 669.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 216.2 | -1.3 | 616.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 63.7 | -24.7 | 223.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 66.5 | -24.7 | 207.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 69.2 | -24.7 | 190.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 41 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 128.4 | 111.3 | 368.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 128.4 | 111.3 | 337.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 128.4 | 111.3 | 305.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -3.0 | -18.9 | -25.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.0 | -18.9 | -25.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.0 | -18.9 | -24.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 216.2 | -1.4 | 616.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 222.6 | -1.4 | 561.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 228.9 | -1.4 | 505.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 68.4 | -25.5 | 190.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 71.2 | -25.5 | 173.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.9 | -25.5 | 154.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 42 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 131.1 | 114.1 | 305.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 131.1 | 114.1 | 272.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 131.1 | 114.1 | 240.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -3.3 | -20.2 | -24.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.3 | -20.2 | -24.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.3 | -20.2 | -23.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 228.9 | -1.4 | 505.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 235.3 | -1.4 | 447.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 241.7 | -1.4 | 387.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 73.3 | -26.0 | 155.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 76.1 | -26.0 | 136.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 78.8 | -26.0 | 117.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 43 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 132.6 | 115.5 | 239.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 132.6 | 115.5 | 206.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 132.6 | 115.5 | 174.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -4.2 | -21.7 | -23.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.2 | -21.7 | -22.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.2 | -21.7 | -21.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 241.7 | -1.4 | 387.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 248.0 | -1.4 | 326.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 254.4 | -1.4 | 263.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 78.6 | -26.3 | 117.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 81.3 | -26.3 | 97.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 84.1 | -26.3 | 76.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 44 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 132.0 | 115.0 | 173.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 132.0 | 115.0 | 141.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 132.0 | 115.0 | 109.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -5.7 | -23.5 | -21.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.7 | -23.5 | -20.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.7 | -23.5 | -19.8 | 0.0 |

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|----|---|--------------|------------|-----------------------|-----|-----|-------|-------|-------|-----|
| | | | pp | I | 0.0 | 0.0 | 254.4 | -1.4 | 263.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 260.8 | -1.4 | 199.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 267.2 | -1.4 | 133.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 84.3 | -26.0 | 76.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 87.0 | -26.0 | 55.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 89.8 | -26.0 | 33.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 45 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 128.2 | 111.3 | 108.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 128.2 | 111.3 | 79.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 128.2 | 111.3 | 54.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -7.8 | -25.4 | -19.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.8 | -25.4 | -20.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.8 | -25.4 | -22.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 267.2 | -1.4 | 133.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 273.5 | -1.4 | 65.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 279.9 | -1.4 | -3.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 90.7 | -25.1 | 33.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 93.5 | -25.1 | 10.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 96.2 | -25.1 | -13.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 46 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 79.8 | 102.6 | 53.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 79.8 | 102.6 | 33.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 79.8 | 102.6 | 14.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -38.6 | -27.7 | -22.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -38.6 | -27.7 | -12.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.6 | -27.7 | -4.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -13.4 | -1.4 | -3.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.0 | -1.4 | -1.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.6 | -1.4 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -23.2 | -23.0 | -13.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -20.5 | -23.0 | -7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.7 | -23.0 | -2.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 47 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 79.8 | 14.4 | 49.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 79.8 | 14.4 | 39.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 79.8 | 14.4 | 39.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -38.3 | -4.1 | -18.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -38.3 | -4.1 | -18.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.1 | -4.1 | -24.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -0.6 | -0.2 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.6 | -0.2 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.6 | -0.2 | -0.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -17.7 | -2.9 | -10.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.7 | -2.9 | -5.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.7 | -2.9 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 48 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.1 | 0.9 | 3.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.1 | 0.9 | 0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.5 | 0.9 | 1.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -4.4 | -0.2 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.4 | -0.2 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.2 | -0.2 | -3.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -0.0 | -0.0 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -2.0 | -0.2 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -2.0 | -0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -2.0 | -0.2 | 0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 49 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 6.0 | 0.9 | 2.2 | 0.0 |

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| | | | | | | | | | | |
|----|---|------------|------------|------------------|-----|-------|------|------|-----|-----|
| | | | CNT | 0.0 | 0.0 | 6.0 | 0.9 | 0.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 6.4 | 0.9 | 2.5 | 0.0 | |
| | | Min | I | 0.0 | 0.0 | -7.4 | -0.2 | -2.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -7.4 | -0.2 | -0.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -7.2 | -0.2 | -1.4 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.9 | -0.2 | -0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.9 | -0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.9 | -0.2 | 0.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 50 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.3 | 0.9 | 1.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.3 | 0.9 | 0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.7 | 0.9 | 3.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -10.8 | -0.2 | -3.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -10.8 | -0.2 | -0.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -10.6 | -0.2 | -0.9 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 51 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.9 | 0.9 | 1.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | 0.9 | 1.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.3 | 0.9 | 4.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -13.0 | -0.2 | -3.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -13.0 | -0.2 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -12.8 | -0.2 | -0.8 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.3 | -0.2 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | -0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | -0.2 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 52 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.2 | 0.8 | 1.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.2 | 0.8 | 1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | 0.8 | 5.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -14.6 | -0.2 | -4.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -14.6 | -0.2 | -1.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -14.4 | -0.2 | -0.9 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.6 | -0.2 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.6 | -0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.6 | -0.2 | -0.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 53 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.9 | 0.8 | 1.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.8 | 1.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 0.8 | 5.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -15.7 | -0.2 | -4.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -15.7 | -0.2 | -1.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -15.5 | -0.2 | -1.1 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.8 | -0.2 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.8 | -0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.8 | -0.2 | -0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| | | | | | | | | | | |
|----|------------|------------|------------------|-----|-----|-------|------|------|-----|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 54 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.8 | 1.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.8 | 1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.8 | 6.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -16.4 | -0.2 | -4.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -16.4 | -0.2 | -1.9 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -16.3 | -0.2 | -1.3 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.0 | -0.2 | 0.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.0 | -0.2 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.0 | -0.2 | -0.3 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 55 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.8 | 1.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.8 | 2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.8 | 6.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -16.9 | -0.2 | -4.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -16.9 | -0.2 | -2.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -16.8 | -0.2 | -1.5 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.1 | -0.2 | 0.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.1 | -0.2 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.1 | -0.2 | -0.3 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 56 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.7 | 2.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.7 | 2.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.7 | 7.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -17.3 | -0.2 | -4.8 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -17.3 | -0.2 | -2.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.1 | -0.2 | -1.7 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.2 | -0.2 | 0.4 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.2 | -0.2 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.2 | -0.2 | -0.4 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 57 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.7 | 2.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.7 | 2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.7 | 7.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -17.5 | -0.2 | -4.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -17.5 | -0.2 | -2.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.4 | -0.2 | -1.8 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.3 | -0.1 | 0.4 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.3 | -0.1 | -0.4 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 58 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.7 | 2.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.7 | 2.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.7 | 7.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -17.7 | -0.2 | -4.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -17.7 | -0.2 | -2.8 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.6 | -0.2 | -2.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.4 | -0.1 | 0.4 | 0.0 | 0.0 |

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| | | | | | | | | | |
|----|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 1.4 | -0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.4 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 59 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.8 | 0.6 | 2.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.6 | 3.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.3 | 0.6 | 7.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -17.9 | -0.2 | -4.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -17.9 | -0.2 | -3.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.7 | -0.2 | -2.1 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.4 | -0.1 | 0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.4 | -0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.4 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 60 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.8 | 0.6 | 2.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.6 | 3.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.3 | 0.6 | 8.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.0 | -0.2 | -4.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -18.0 | -0.2 | -3.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.8 | -0.2 | -2.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.5 | -0.1 | 0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.5 | -0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.5 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 61 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.8 | 0.6 | 2.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.6 | 3.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.3 | 0.6 | 8.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.0 | -0.2 | -4.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -18.0 | -0.2 | -3.3 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.9 | -0.2 | -2.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.5 | -0.1 | 0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.5 | -0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.5 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 62 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.8 | 0.5 | 2.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.5 | 3.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.3 | 0.5 | 8.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.1 | -0.2 | -4.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -18.1 | -0.2 | -3.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -18.0 | -0.2 | -2.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 1.6 | -0.1 | 0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 1.6 | -0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.6 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 63 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.8 | 0.5 | 2.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.5 | 3.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 1.3 | 0.5 | 8.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.1 | -0.2 | -5.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -18.1 | -0.2 | -3.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -18.0 | -0.2 | -2.6 | 0.0 |

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| | | | | | | | | | | |
|----|---|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.6 | -0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.6 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | -0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 64 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.4 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.4 | 3.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.4 | 8.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.1 | -0.2 | -5.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.1 | -0.2 | -3.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.2 | -2.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.6 | -0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.6 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | -0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 65 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.4 | 2.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.4 | 3.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.4 | 8.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.2 | -0.2 | -5.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.2 | -0.2 | -3.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.2 | -2.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.6 | -0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.6 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | -0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 66 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.4 | 2.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.4 | 4.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.4 | 8.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.2 | -0.2 | -5.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.2 | -0.2 | -3.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.2 | -2.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.6 | -0.0 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.6 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | -0.0 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 67 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.3 | 2.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.3 | 4.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.3 | 8.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.6 | -0.0 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.6 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | -0.0 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 68 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.3 | 2.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.3 | 4.1 | 0.0 |

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| | | | | | | | | | | |
|----|---|------------|------------|------------------|-----|-------|------|------|-----|-----|
| | | | J | 0.0 | 0.0 | 1.2 | 0.3 | 8.8 | 0.0 | |
| | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 1.7 | -0.0 | 0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.7 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 1.7 | -0.0 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 69 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.6 | 0.3 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.3 | 4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.1 | 0.3 | 8.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 1.7 | -0.0 | 0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.7 | -0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 1.7 | -0.0 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 70 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.6 | 0.3 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.3 | 4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.1 | 0.3 | 8.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 1.7 | 0.0 | 0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 1.7 | 0.0 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 71 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.6 | 0.3 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.3 | 4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.1 | 0.3 | 8.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 1.7 | 0.0 | 0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 1.7 | 0.0 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 72 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.3 | 2.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.3 | 4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.3 | 8.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 1.7 | 0.0 | 0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 1.7 | 0.0 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|-----|-----|-------|------|------|------|-----|
| 73 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.3 | 2.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.3 | 4.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.3 | 8.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -18.2 | -0.3 | -5.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -18.2 | -0.3 | -3.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.3 | -2.8 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 1.6 | 0.0 | 0.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 1.6 | 0.0 | -0.5 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|-----|-----|-------|------|------|------|-----|
| 74 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.2 | 2.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.2 | 4.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.2 | 8.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -18.2 | -0.4 | -5.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -18.2 | -0.4 | -3.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.4 | -2.8 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 1.6 | 0.0 | 0.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 1.6 | 0.0 | -0.5 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|-----|-----|-------|------|------|------|-----|
| 75 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.7 | 0.2 | 2.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.2 | 3.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.2 | 8.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -18.2 | -0.4 | -5.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -18.2 | -0.4 | -3.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.4 | -2.7 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 1.6 | 0.1 | 0.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 1.6 | 0.1 | -0.4 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|-----|-----|-------|------|------|------|-----|
| 76 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 3.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 8.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -18.1 | -0.4 | -5.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -18.1 | -0.4 | -3.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.4 | -2.7 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 1.6 | 0.1 | 0.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 1.6 | 0.1 | -0.4 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
|------------|---|------------|------------------|------|-----|-----|-------|------|------|-----|-----|
| 77 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 3.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 8.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -18.1 | -0.5 | -5.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -18.1 | -0.5 | -3.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.5 | -2.6 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 1.6 | 0.1 | 0.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 |

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| | | | | | | | | | | |
|----|------------|------------|------------------|-----|-----|-----|-------|------|------|-----|
| | | | J | 0.0 | 0.0 | 1.6 | 0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 78 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 3.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 8.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.1 | -0.5 | -4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.1 | -0.5 | -3.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.0 | -0.5 | -2.5 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.6 | 0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | 0.1 | -0.4 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 79 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 3.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 8.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.0 | -0.6 | -4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.0 | -0.6 | -3.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.9 | -0.6 | -2.4 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.5 | 0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.5 | 0.1 | -0.4 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 80 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 3.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 8.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -18.0 | -0.6 | -4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.0 | -0.6 | -3.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.8 | -0.6 | -2.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.5 | 0.1 | 0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.5 | 0.1 | -0.4 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 81 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 3.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 7.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.9 | -0.6 | -4.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.9 | -0.6 | -3.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.7 | -0.6 | -2.1 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.4 | 0.1 | 0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 0.1 | -0.4 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 82 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 2.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 7.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.7 | -0.7 | -4.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.7 | -0.7 | -2.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.6 | -0.7 | -2.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |

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| | | | | | | | | | | | |
|----|------------|------------|------------|-----|-----|-----|-------|------|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.4 | 0.1 | 0.4 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 0.1 | -0.4 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | | | | | |
| | | | | | | | | | | | |
| 83 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.2 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 2.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 7.3 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -17.5 | -0.7 | -4.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.5 | -0.7 | -2.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.4 | -0.7 | -1.8 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.3 | 0.1 | 0.4 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.1 | -0.4 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | | | | | |
| | | | | | | | | | | | |
| 84 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 2.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 2.3 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.2 | 7.0 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -17.3 | -0.7 | -4.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.3 | -0.7 | -2.4 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.1 | -0.7 | -1.7 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.2 | 0.2 | 0.4 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.2 | 0.2 | -0.4 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | | | | | |
| | | | | | | | | | | | |
| 85 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 1.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 2.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 6.7 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -16.9 | -0.8 | -4.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.9 | -0.8 | -2.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -16.8 | -0.8 | -1.5 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.1 | 0.2 | 0.3 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.1 | 0.2 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.1 | 0.2 | -0.3 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | | | | | |
| | | | | | | | | | | | |
| 86 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.8 | 0.2 | 1.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | 1.8 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.2 | 6.3 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -16.4 | -0.8 | -4.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.4 | -0.8 | -1.9 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -16.3 | -0.8 | -1.3 | 0.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 1.0 | 0.2 | 0.3 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.0 | 0.2 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.0 | 0.2 | -0.3 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | | | | | |
| | | | | | | | | | | | |
| 87 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.9 | 0.2 | 1.6 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.2 | 1.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 0.2 | 5.9 | 0.0 | 0.0 |

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| | | | | | | | | | | |
|----|---|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | Min | I | 0.0 | 0.0 | -15.7 | -0.8 | -4.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -15.7 | -0.8 | -1.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -15.5 | -0.8 | -1.1 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.8 | 0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.8 | 0.2 | -0.3 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 88 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.2 | 0.2 | 1.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.2 | 0.2 | 1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.6 | 0.2 | 5.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -14.6 | -0.8 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -14.6 | -0.8 | -1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.4 | -0.8 | -0.9 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.6 | 0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.2 | -0.2 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 89 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.9 | 0.2 | 1.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | 0.2 | 1.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.3 | 0.2 | 4.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -13.0 | -0.9 | -3.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -13.0 | -0.9 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.8 | -0.9 | -0.8 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.2 | -0.1 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 90 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.3 | 0.2 | 1.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.3 | 0.2 | 0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.7 | 0.2 | 3.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -10.8 | -0.9 | -3.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -10.8 | -0.9 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -10.6 | -0.9 | -0.9 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -0.2 | 0.2 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.2 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 91 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 6.0 | 0.2 | 2.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.0 | 0.2 | 0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.4 | 0.2 | 2.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -7.4 | -0.9 | -2.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.4 | -0.9 | -0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.2 | -0.9 | -1.4 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -0.9 | 0.2 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.9 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.9 | 0.2 | 0.2 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | |
|--------------|-----|--------------|------------------|------------|-----------------------|--------|--------|--------|--------|--------|-------|-----|
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | | |
| 92 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.1 | 0.2 | 3.6 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | 11.1 | 0.2 | 0.3 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | 11.5 | 0.2 | 1.4 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -4.4 | -0.9 | -1.2 | 0.0 | | |
| | | | CNT | 0.0 | 0.0 | -4.4 | -0.9 | -0.1 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | -4.2 | -0.9 | -3.1 | 0.0 | | | |
| | | pp | I | 0.0 | 0.0 | -0.0 | 0.0 | -0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | -0.0 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | perm | I | 0.0 | 0.0 | -2.0 | 0.2 | -0.6 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | -2.0 | 0.2 | -0.0 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | -2.0 | 0.2 | 0.6 | 0.0 | | | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| | | 93 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 79.8 | 4.1 | 49.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 79.8 | 4.1 | 39.2 | 0.0 | |
| | | | | | J | 0.0 | 0.0 | 79.8 | 4.1 | 39.1 | 0.0 | |
| | | | | | Min | I | 0.0 | 0.0 | -38.3 | -14.4 | -18.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -38.3 | -14.4 | -18.2 | 0.0 | |
| J | 0.0 | | | | 0.0 | -38.1 | -14.4 | -24.7 | 0.0 | | | |
| pp | I | | | 0.0 | 0.0 | -0.6 | 0.2 | -0.9 | 0.0 | | | |
| | CNT | | | 0.0 | 0.0 | -0.6 | 0.2 | -0.7 | 0.0 | | | |
| | J | | | 0.0 | 0.0 | -0.6 | 0.2 | -0.6 | 0.0 | | | |
| perm | I | | | 0.0 | 0.0 | -17.7 | 2.9 | -10.6 | 0.0 | | | |
| | CNT | | | 0.0 | 0.0 | -17.7 | 2.9 | -5.3 | 0.0 | | | |
| | J | | | 0.0 | 0.0 | -17.7 | 2.9 | 0.0 | 0.0 | | | |
| acc | I | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 2 | | | | Type: Beam | Section: traverso cap | | | | | | | |
| 94 | 1 | | | 1 c mobili | Max | I | 0.0 | 0.0 | 134.5 | 57.6 | 7.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 134.5 | 57.6 | 22.8 | 0.0 | |
| | | | | | J | 0.0 | 0.0 | 134.5 | 57.6 | 38.7 | 0.0 | |
| | | | | | Min | I | 0.0 | 0.0 | -63.3 | -139.1 | -9.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -63.3 | -139.1 | -36.3 | 0.0 | |
| | | J | 0.0 | | 0.0 | -63.3 | -139.1 | -69.9 | 0.0 | | | |
| | | pp | I | 0.0 | 0.0 | 0.7 | 2.3 | -0.2 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 7.0 | 2.3 | -1.1 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | 13.4 | 2.3 | -3.7 | 0.0 | | | |
| | | perm | I | 0.0 | 0.0 | -3.7 | 22.8 | 0.5 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | -2.2 | 22.8 | 1.2 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | -0.7 | 22.8 | 1.6 | 0.0 | | | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | 95 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 8.3 | 55.1 | 39.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 8.3 | 55.1 | 62.7 | 0.0 | |
| | | | | | J | 0.0 | 0.0 | 8.3 | 55.1 | 120.1 | 0.0 | |
| | | | | | Min | I | 0.0 | 0.0 | -265.6 | -149.9 | -70.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -265.6 | -149.9 | -51.5 | 0.0 | |
| J | 0.0 | | | | 0.0 | -265.6 | -149.9 | -46.9 | 0.0 | | | |
| pp | I | | | 0.0 | 0.0 | -279.6 | 2.4 | -3.7 | 0.0 | | | |
| | CNT | | | 0.0 | 0.0 | -273.3 | 2.4 | 65.4 | 0.0 | | | |
| | J | | | 0.0 | 0.0 | -266.9 | 2.4 | 132.9 | 0.0 | | | |
| perm | I | | | 0.0 | 0.0 | -78.3 | 25.6 | 1.6 | 0.0 | | | |
| | CNT | | | 0.0 | 0.0 | -76.8 | 25.6 | 21.0 | 0.0 | | | |
| | J | | | 0.0 | 0.0 | -75.3 | 25.6 | 40.1 | 0.0 | | | |
| acc | I | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | | | Type: Beam | Section: cap | | | | | | | |
| 96 | 1 | | | 1 c mobili | Max | I | 0.0 | 0.0 | 11.2 | 52.9 | 120.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 11.2 | 52.9 | 166.9 | 0.0 | |
| | | | | | J | 0.0 | 0.0 | 11.2 | 52.9 | 227.7 | 0.0 | |
| | | | | | Min | I | 0.0 | 0.0 | -244.6 | -155.0 | -46.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -244.6 | -155.0 | -45.4 | 0.0 | |
| | | J | 0.0 | | 0.0 | -244.6 | -155.0 | -43.9 | 0.0 | | | |
| | | pp | I | 0.0 | 0.0 | -266.9 | 2.4 | 132.9 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | -260.5 | 2.4 | 198.8 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | -254.1 | 2.4 | 263.2 | 0.0 | | | |
| | | perm | I | 0.0 | 0.0 | -75.9 | 26.9 | 40.1 | 0.0 | | | |
| | | | CNT | 0.0 | 0.0 | -74.4 | 26.9 | 58.9 | 0.0 | | | |
| | | | J | 0.0 | 0.0 | -72.9 | 26.9 | 77.3 | 0.0 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|--------------|------------|--------------|-----|-----|--------|--------|-------|-------|-----|
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 97 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 18.8 | 50.7 | 227.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 18.8 | 50.7 | 266.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 18.8 | 50.7 | 323.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -229.0 | -156.6 | -43.9 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -229.0 | -156.6 | -42.7 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -229.0 | -156.6 | -41.5 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -254.1 | 2.4 | 263.2 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -247.8 | 2.4 | 325.9 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -241.4 | 2.4 | 387.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -73.0 | 27.3 | 77.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -71.5 | 27.3 | 95.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -70.0 | 27.3 | 113.1 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 98 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 28.4 | 48.4 | 322.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 28.4 | 48.4 | 354.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 28.4 | 48.4 | 408.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -216.9 | -155.9 | -41.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -216.9 | -155.9 | -40.5 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -216.9 | -155.9 | -39.5 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -241.4 | 2.4 | 387.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -235.0 | 2.4 | 446.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -228.7 | 2.4 | 504.6 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -69.8 | 27.2 | 113.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -68.3 | 27.2 | 130.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -66.8 | 27.2 | 147.3 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 99 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 38.3 | 46.1 | 408.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 38.3 | 46.1 | 435.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 38.3 | 46.1 | 486.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -207.2 | -153.5 | -39.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -207.2 | -153.5 | -38.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -207.2 | -153.5 | -37.7 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -228.7 | 2.4 | 504.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -222.3 | 2.4 | 560.9 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -215.9 | 2.4 | 615.7 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -66.4 | 26.7 | 147.4 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -64.9 | 26.7 | 163.8 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -63.4 | 26.7 | 179.8 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 100 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 46.1 | 43.7 | 486.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 46.1 | 43.7 | 510.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 46.1 | 43.7 | 557.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -198.9 | -149.9 | -37.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -198.9 | -149.9 | -37.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -198.9 | -149.9 | -36.2 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -216.0 | 2.3 | 615.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -209.6 | 2.3 | 668.9 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -203.2 | 2.3 | 720.5 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -62.9 | 25.8 | 179.9 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -61.4 | 25.8 | 195.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -59.9 | 25.8 | 210.5 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 101 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 52.4 | 41.2 | 557.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 52.4 | 41.2 | 579.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 52.4 | 41.2 | 622.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -191.7 | -145.4 | -36.2 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -191.7 | -145.4 | -35.5 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -191.7 | -145.4 | -34.8 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -203.2 | 2.2 | 720.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -196.9 | 2.2 | 770.5 | 0.0 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|--------|--------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | -190.5 | 2.2 | 818.9 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -59.3 | 24.8 | 210.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -57.8 | 24.8 | 225.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -56.3 | 24.8 | 239.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 102 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 57.6 | 38.8 | 622.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 57.6 | 38.8 | 642.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 57.6 | 38.8 | 682.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -185.1 | -140.1 | -34.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -185.1 | -140.1 | -34.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -185.1 | -140.1 | -33.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -190.5 | 2.1 | 818.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -184.1 | 2.1 | 865.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -177.8 | 2.1 | 911.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -55.6 | 23.7 | 239.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -54.1 | 23.7 | 253.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -52.6 | 23.7 | 266.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 103 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 62.1 | 36.3 | 681.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 62.1 | 36.3 | 700.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 62.1 | 36.3 | 736.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -179.0 | -134.2 | -33.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -179.0 | -134.2 | -32.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -179.0 | -134.2 | -32.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -177.8 | 2.0 | 911.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -171.4 | 2.0 | 954.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -165.1 | 2.0 | 996.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -51.9 | 22.4 | 266.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -50.4 | 22.4 | 279.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -48.9 | 22.4 | 291.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 104 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 66.1 | 35.9 | 736.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 66.1 | 35.9 | 753.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 66.1 | 35.9 | 786.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -173.3 | -127.9 | -32.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -173.3 | -127.9 | -31.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -173.3 | -127.9 | -31.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -165.1 | 1.9 | 996.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -158.7 | 1.9 | 1037.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -152.4 | 1.9 | 1076.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -48.1 | 21.0 | 291.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -46.6 | 21.0 | 303.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -45.1 | 21.0 | 315.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 105 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 69.7 | 36.1 | 786.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 69.7 | 36.1 | 801.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 69.7 | 36.1 | 832.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -167.8 | -121.1 | -31.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -167.8 | -121.1 | -30.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -167.8 | -121.1 | -29.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -152.4 | 1.8 | 1076.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -146.0 | 1.8 | 1113.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -139.6 | 1.8 | 1149.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -44.4 | 19.5 | 315.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -42.9 | 19.5 | 326.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -41.4 | 19.5 | 336.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 106 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 73.1 | 35.8 | 831.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 73.1 | 35.8 | 845.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.1 | 35.8 | 873.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -162.6 | -114.1 | -29.9 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|--------|--------|--------|-------|-----|
| | | | CNT | 0.0 | 0.0 | -162.6 | -114.1 | -29.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -162.6 | -114.1 | -28.8 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -139.7 | 1.7 | 1149.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -133.3 | 1.7 | 1183.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -126.9 | 1.7 | 1215.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -40.6 | 18.0 | 336.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -39.1 | 18.0 | 346.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -37.6 | 18.0 | 356.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 107 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 77.0 | 35.0 | 873.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 77.0 | 35.0 | 885.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 77.0 | 35.0 | 909.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -157.5 | -106.8 | -28.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -157.5 | -106.8 | -28.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -157.5 | -106.8 | -27.8 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -127.0 | 1.5 | 1215.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -120.6 | 1.5 | 1246.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -114.2 | 1.5 | 1276.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -36.9 | 16.4 | 356.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -35.4 | 16.4 | 365.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -33.9 | 16.4 | 373.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 108 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 81.0 | 34.4 | 909.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 81.0 | 34.4 | 920.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 81.0 | 34.4 | 942.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -152.5 | -99.3 | -27.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -152.5 | -99.3 | -27.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -152.5 | -99.3 | -26.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -114.3 | 1.4 | 1276.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -107.9 | 1.4 | 1303.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -101.5 | 1.4 | 1329.9 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -33.2 | 14.8 | 373.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -31.7 | 14.8 | 382.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -30.2 | 14.8 | 389.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 109 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 84.8 | 35.3 | 942.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 84.8 | 35.3 | 951.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 84.8 | 35.3 | 970.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -147.7 | -91.8 | -26.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -147.7 | -91.8 | -26.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -147.7 | -91.8 | -25.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -101.6 | 1.3 | 1329.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -95.2 | 1.3 | 1354.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -88.8 | 1.3 | 1377.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -29.4 | 13.1 | 389.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -27.9 | 13.1 | 396.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -26.4 | 13.1 | 403.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 110 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 88.7 | 36.0 | 970.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 88.7 | 36.0 | 978.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 88.7 | 36.0 | 995.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -143.0 | -84.5 | -25.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -143.0 | -84.5 | -25.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -143.0 | -84.5 | -24.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -88.9 | 1.1 | 1377.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -82.5 | 1.1 | 1398.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -76.1 | 1.1 | 1418.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -25.7 | 11.4 | 403.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -24.2 | 11.4 | 409.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -22.7 | 11.4 | 415.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 111 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 92.5 | 36.8 | 995.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 92.5 | 36.8 | 1000.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 92.5 | 36.8 | 1015.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -138.4 | -77.2 | -24.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -138.4 | -77.2 | -24.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -138.4 | -77.2 | -23.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -76.2 | 0.9 | 1418.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -69.8 | 0.9 | 1437.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -63.4 | 0.9 | 1453.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -22.0 | 9.7 | 415.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -20.5 | 9.7 | 421.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -19.0 | 9.7 | 426.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 112 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 96.2 | 37.4 | 1015.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 96.2 | 37.4 | 1019.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 96.2 | 37.4 | 1032.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -133.8 | -70.0 | -23.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -133.8 | -70.0 | -23.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -133.8 | -70.0 | -22.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -63.5 | 0.8 | 1453.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -57.1 | 0.8 | 1468.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -50.7 | 0.8 | 1482.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -18.2 | 8.0 | 426.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.7 | 8.0 | 430.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -15.2 | 8.0 | 434.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 113 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 100.0 | 37.8 | 1031.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 100.0 | 37.8 | 1034.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 100.0 | 37.8 | 1044.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -129.3 | -62.9 | -22.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -129.3 | -62.9 | -22.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -129.3 | -62.9 | -21.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -50.8 | 0.6 | 1482.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -44.4 | 0.6 | 1494.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.1 | 0.6 | 1504.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -14.5 | 6.2 | 434.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -13.0 | 6.2 | 437.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -11.5 | 6.2 | 440.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 114 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 104.0 | 38.6 | 1044.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 104.0 | 38.6 | 1045.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 104.0 | 38.6 | 1053.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -124.9 | -57.1 | -21.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -124.9 | -57.1 | -21.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -124.9 | -57.1 | -20.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -38.1 | 0.4 | 1504.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -31.7 | 0.4 | 1513.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -25.4 | 0.4 | 1520.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -10.8 | 4.4 | 440.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.3 | 4.4 | 443.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.8 | 4.4 | 445.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 115 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 108.0 | 41.6 | 1053.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 108.0 | 41.6 | 1052.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 108.0 | 41.6 | 1057.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -120.6 | -52.0 | -20.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -120.6 | -52.0 | -20.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -120.6 | -52.0 | -19.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -25.4 | 0.3 | 1520.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.0 | 0.3 | 1525.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.7 | 0.3 | 1529.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -7.1 | 2.7 | 445.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.6 | 2.7 | 447.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.1 | 2.7 | 448.4 | 0.0 |

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|-----|--------------|------------|------------|--------------|-----|-----|--------|-------|--------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 116 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 112.1 | 44.8 | 1057.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 112.1 | 44.8 | 1056.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 112.1 | 44.8 | 1058.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -116.3 | -48.3 | -19.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -116.3 | -48.3 | -19.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -116.3 | -48.3 | -19.0 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -12.7 | 0.1 | 1529.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -6.3 | 0.1 | 1532.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.1 | 1533.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -3.4 | 0.9 | 448.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.9 | 0.9 | 449.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.4 | 0.9 | 449.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 117 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 116.3 | 48.3 | 1058.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 116.3 | 48.3 | 1056.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 116.3 | 48.3 | 1057.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -112.1 | -44.8 | -19.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -112.1 | -44.8 | -19.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -112.1 | -44.8 | -19.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -0.0 | -0.1 | 1533.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 6.3 | -0.1 | 1532.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 12.7 | -0.1 | 1529.8 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.4 | -0.9 | 449.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 1.9 | -0.9 | 449.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 3.4 | -0.9 | 448.4 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 118 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 120.6 | 52.0 | 1057.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 120.6 | 52.0 | 1052.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 120.6 | 52.0 | 1053.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -108.0 | -41.6 | -19.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -108.0 | -41.6 | -20.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -108.0 | -41.6 | -20.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 12.7 | -0.3 | 1529.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 19.0 | -0.3 | 1525.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 25.4 | -0.3 | 1520.3 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 4.1 | -2.7 | 448.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 5.6 | -2.7 | 447.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 7.1 | -2.7 | 445.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 119 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 124.9 | 57.1 | 1053.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 124.9 | 57.1 | 1045.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 124.9 | 57.1 | 1044.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -104.0 | -38.6 | -20.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -104.0 | -38.6 | -21.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -104.0 | -38.6 | -21.8 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 25.4 | -0.4 | 1520.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 31.7 | -0.4 | 1513.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 38.1 | -0.4 | 1504.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 7.8 | -4.4 | 445.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 9.3 | -4.4 | 443.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 10.8 | -4.4 | 440.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 120 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 129.3 | 62.9 | 1044.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 129.3 | 62.9 | 1034.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 129.3 | 62.9 | 1031.9 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -100.0 | -37.8 | -21.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -100.0 | -37.8 | -22.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -100.0 | -37.8 | -22.8 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 38.1 | -0.6 | 1504.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 44.4 | -0.6 | 1494.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 50.8 | -0.6 | 1482.2 | 0.0 | |

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|-----|---|--------------|------------|--------------|-----|-----|-------|-------|--------|-----|
| | | | perm | I | 0.0 | 0.0 | 11.5 | -6.2 | 440.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 13.0 | -6.2 | 437.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.5 | -6.2 | 434.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 121 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 133.8 | 70.0 | 1032.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 133.8 | 70.0 | 1019.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 133.8 | 70.0 | 1015.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -96.2 | -37.4 | -22.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -96.2 | -37.4 | -23.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -96.2 | -37.4 | -23.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 50.7 | -0.8 | 1482.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 57.1 | -0.8 | 1468.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 63.5 | -0.8 | 1453.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 15.2 | -8.0 | 434.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 16.7 | -8.0 | 430.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 18.2 | -8.0 | 426.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 122 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 138.4 | 77.2 | 1015.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 138.4 | 77.2 | 1000.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 138.4 | 77.2 | 995.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -92.5 | -36.8 | -23.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -92.5 | -36.8 | -24.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -92.5 | -36.8 | -24.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 63.4 | -0.9 | 1453.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 69.8 | -0.9 | 1437.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 76.2 | -0.9 | 1418.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 19.0 | -9.7 | 426.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 20.5 | -9.7 | 421.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 22.0 | -9.7 | 415.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 123 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 143.0 | 84.5 | 995.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 143.0 | 84.5 | 978.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 143.0 | 84.5 | 970.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -88.7 | -36.0 | -24.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -88.7 | -36.0 | -25.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -88.7 | -36.0 | -25.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 76.1 | -1.1 | 1418.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 82.5 | -1.1 | 1398.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 88.9 | -1.1 | 1377.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 22.7 | -11.4 | 415.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 24.2 | -11.4 | 409.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.7 | -11.4 | 403.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 124 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 147.7 | 91.8 | 970.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 147.7 | 91.8 | 951.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 147.7 | 91.8 | 942.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -84.8 | -35.3 | -25.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -84.8 | -35.3 | -26.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -84.8 | -35.3 | -26.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 88.8 | -1.3 | 1377.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 95.2 | -1.3 | 1354.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 101.6 | -1.3 | 1329.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 26.4 | -13.1 | 403.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 27.9 | -13.1 | 396.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 29.4 | -13.1 | 389.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 125 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 152.5 | 99.3 | 942.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 152.5 | 99.3 | 920.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 152.5 | 99.3 | 909.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -81.0 | -34.4 | -26.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -81.0 | -34.4 | -27.2 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-------|-------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | -81.0 | -34.4 | -27.7 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 101.5 | -1.4 | 1329.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 107.9 | -1.4 | 1303.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 114.3 | -1.4 | 1276.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 30.2 | -14.8 | 389.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 31.7 | -14.8 | 382.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 33.2 | -14.8 | 373.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 126 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 157.5 | 106.8 | 909.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 157.5 | 106.8 | 885.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 157.5 | 106.8 | 873.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -77.0 | -35.0 | -27.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -77.0 | -35.0 | -28.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -77.0 | -35.0 | -28.8 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 114.2 | -1.5 | 1276.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 120.6 | -1.5 | 1246.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 127.0 | -1.5 | 1215.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 33.9 | -16.4 | 373.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 35.4 | -16.4 | 365.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 36.9 | -16.4 | 356.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 127 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 162.6 | 114.1 | 873.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 162.6 | 114.1 | 845.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 162.6 | 114.1 | 831.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -73.1 | -35.8 | -28.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -73.1 | -35.8 | -29.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -73.1 | -35.8 | -29.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 126.9 | -1.7 | 1215.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 133.3 | -1.7 | 1183.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 139.7 | -1.7 | 1149.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 37.6 | -18.0 | 356.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 39.1 | -18.0 | 346.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 40.6 | -18.0 | 336.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 128 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 167.8 | 121.1 | 832.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 167.8 | 121.1 | 801.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 167.8 | 121.1 | 786.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -69.7 | -36.1 | -29.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -69.7 | -36.1 | -30.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -69.7 | -36.1 | -31.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 139.6 | -1.8 | 1149.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 146.0 | -1.8 | 1113.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 152.4 | -1.8 | 1076.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 41.4 | -19.5 | 336.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 42.9 | -19.5 | 326.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 44.4 | -19.5 | 315.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 129 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 173.3 | 127.9 | 786.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 173.3 | 127.9 | 753.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 173.3 | 127.9 | 736.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -66.1 | -35.9 | -31.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -66.1 | -35.9 | -31.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -66.1 | -35.9 | -32.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 152.4 | -1.9 | 1076.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 158.7 | -1.9 | 1037.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 165.1 | -1.9 | 996.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 45.1 | -21.0 | 315.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 46.6 | -21.0 | 303.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 48.1 | -21.0 | 291.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|--------------|-----|------------|--------------|-----|-----|-----|-------|-------|-------|-----|
| 130 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 179.0 | 134.2 | 736.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 179.0 | 134.2 | 700.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 179.0 | 134.2 | 681.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -62.1 | -36.3 | -32.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -62.1 | -36.3 | -32.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -62.1 | -36.3 | -33.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 165.1 | -2.0 | 996.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 171.4 | -2.0 | 954.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 177.8 | -2.0 | 911.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 48.9 | -22.4 | 291.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 50.4 | -22.4 | 279.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 51.9 | -22.4 | 266.5 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 131 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 185.1 | 140.1 | 682.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 185.1 | 140.1 | 642.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 185.1 | 140.1 | 622.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -57.6 | -38.8 | -33.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -57.6 | -38.8 | -34.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -57.6 | -38.8 | -34.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 177.8 | -2.1 | 911.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 184.1 | -2.1 | 865.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 190.5 | -2.1 | 818.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 52.6 | -23.7 | 266.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 54.1 | -23.7 | 253.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 55.6 | -23.7 | 239.5 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 132 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 191.7 | 145.4 | 622.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 191.7 | 145.4 | 579.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 191.7 | 145.4 | 557.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -52.4 | -41.2 | -34.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -52.4 | -41.2 | -35.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -52.4 | -41.2 | -36.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 190.5 | -2.2 | 818.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 196.9 | -2.2 | 770.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 203.2 | -2.2 | 720.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 56.3 | -24.8 | 239.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 57.8 | -24.8 | 225.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 59.3 | -24.8 | 210.6 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 133 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 198.9 | 149.9 | 557.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 198.9 | 149.9 | 510.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 198.9 | 149.9 | 486.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -46.1 | -43.7 | -36.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -46.1 | -43.7 | -37.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -46.1 | -43.7 | -37.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 203.2 | -2.3 | 720.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 209.6 | -2.3 | 668.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 216.0 | -2.3 | 615.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 59.9 | -25.8 | 210.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 61.4 | -25.8 | 195.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 62.9 | -25.8 | 179.9 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 134 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 207.2 | 153.5 | 486.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 207.2 | 153.5 | 435.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 207.2 | 153.5 | 408.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -38.3 | -46.1 | -37.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -38.3 | -46.1 | -38.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.3 | -46.1 | -39.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 215.9 | -2.4 | 615.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 222.3 | -2.4 | 560.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 228.7 | -2.4 | 504.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 63.4 | -26.7 | 179.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 64.9 | -26.7 | 163.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 66.4 | -26.7 | 147.4 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

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|--|---|------------|------|-----|-----|-----|--------|-------|-------|-------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 135 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 216.9 | 155.9 | 408.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 216.9 | 155.9 | 354.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 216.9 | 155.9 | 322.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -28.4 | -48.4 | -39.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -28.4 | -48.4 | -40.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -28.4 | -48.4 | -41.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 228.7 | -2.4 | 504.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 235.0 | -2.4 | 446.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 241.4 | -2.4 | 387.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 66.8 | -27.2 | 147.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 68.3 | -27.2 | 130.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 69.8 | -27.2 | 113.1 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 136 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 229.0 | 156.6 | 323.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 229.0 | 156.6 | 266.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 229.0 | 156.6 | 227.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -18.8 | -50.7 | -41.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -18.8 | -50.7 | -42.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -18.8 | -50.7 | -43.9 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 241.4 | -2.4 | 387.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 247.8 | -2.4 | 325.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 254.1 | -2.4 | 263.2 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 70.0 | -27.3 | 113.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 71.5 | -27.3 | 95.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 73.0 | -27.3 | 77.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 137 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 244.6 | 155.0 | 227.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 244.6 | 155.0 | 166.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 244.6 | 155.0 | 120.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -11.2 | -52.9 | -43.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -11.2 | -52.9 | -45.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -11.2 | -52.9 | -46.8 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 254.1 | -2.4 | 263.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 260.5 | -2.4 | 198.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 266.9 | -2.4 | 132.9 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 72.9 | -26.9 | 77.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 74.4 | -26.9 | 58.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 75.9 | -26.9 | 40.1 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 138 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 265.6 | 149.9 | 120.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 265.6 | 149.9 | 62.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 265.6 | 149.9 | 39.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -8.3 | -55.1 | -46.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -8.3 | -55.1 | -51.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -8.3 | -55.1 | -70.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 266.9 | -2.4 | 132.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 273.3 | -2.4 | 65.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 279.6 | -2.4 | -3.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 75.3 | -25.6 | 40.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 76.8 | -25.6 | 21.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 78.3 | -25.6 | 1.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 Type: Beam Section: cap | | | | | | | | | | | |
| 139 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 63.3 | 139.1 | 38.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 63.3 | 139.1 | 22.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 63.3 | 139.1 | 7.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -134.5 | -57.6 | -69.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -134.5 | -57.6 | -36.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -134.5 | -57.6 | -9.6 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | -13.4 | -2.3 | -3.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.0 | -2.3 | -1.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.7 | -2.3 | -0.2 | 0.0 | |

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|-----|---|--------------|------------|-----------------------|-----|-----|-------|-------|-------|-----|
| | | | perm | I | 0.0 | 0.0 | 0.7 | -22.8 | 1.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.2 | -22.8 | 1.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.7 | -22.8 | 0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 140 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 112.0 | 20.2 | 60.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 112.0 | 20.2 | 47.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 112.0 | 20.2 | 42.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -47.8 | -10.9 | -59.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -47.8 | -10.9 | -50.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -47.8 | -10.9 | -56.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -1.3 | -0.4 | -1.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.3 | -0.4 | -1.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.3 | -0.4 | -0.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -14.0 | -2.4 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -14.0 | -2.4 | 3.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.0 | -2.4 | 7.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 141 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.1 | 1.2 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.1 | 1.2 | 0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.1 | 1.2 | 2.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -7.7 | -0.6 | -2.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.7 | -0.6 | -0.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.7 | -0.6 | -3.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.7 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.7 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.7 | -0.1 | 0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 142 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 5.2 | 1.2 | 1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.2 | 1.2 | 0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 5.2 | 1.2 | 2.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -7.4 | -0.6 | -1.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.4 | -0.6 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.4 | -0.6 | -2.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.3 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.3 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.3 | -0.1 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 143 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.7 | 1.2 | 1.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.7 | 1.2 | 1.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.7 | 1.2 | 3.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -6.9 | -0.6 | -2.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.9 | -0.6 | -1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.9 | -0.6 | -1.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 144 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.4 | 1.2 | 2.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.4 | 1.2 | 2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 1.2 | 3.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -7.8 | -0.6 | -2.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.8 | -0.6 | -1.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.8 | -0.6 | -1.3 | 0.0 |

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|-----|---|------------|------|------------|-----|-----|------------------|------|------|-----|
| | | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 145 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.4 | 1.2 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.4 | 1.2 | 2.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 1.2 | 4.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -8.4 | -0.6 | -3.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.4 | -0.6 | -2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.4 | -0.6 | -1.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.1 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 146 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.7 | 1.2 | 3.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.7 | 1.2 | 3.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.7 | 1.2 | 4.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -8.8 | -0.6 | -3.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.8 | -0.6 | -2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.8 | -0.6 | -1.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 147 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.9 | 1.1 | 4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | 1.1 | 3.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.9 | 1.1 | 5.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -9.7 | -0.6 | -4.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.7 | -0.6 | -2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -9.7 | -0.6 | -1.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.4 | -0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.1 | -0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.1 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 148 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.1 | 1.1 | 4.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.1 | 1.1 | 4.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.1 | 1.1 | 5.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -10.3 | -0.5 | -4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -10.3 | -0.5 | -2.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -10.3 | -0.5 | -1.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.4 | -0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.1 | -0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.1 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 149 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.3 | 1.1 | 5.0 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|-------|------|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 2.3 | 1.1 | 4.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.3 | 1.1 | 6.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -10.8 | -0.5 | -5.2 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -10.8 | -0.5 | -3.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -10.8 | -0.5 | -2.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.5 | -0.1 | -0.5 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.5 | -0.1 | -0.6 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 150 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.4 | 1.0 | 5.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.4 | 1.0 | 5.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.4 | 1.0 | 6.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -11.1 | -0.5 | -5.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -11.1 | -0.5 | -3.2 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -11.1 | -0.5 | -2.2 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.6 | -0.1 | -0.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.6 | -0.1 | -0.5 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.6 | -0.1 | -0.7 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 151 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.5 | 1.0 | 5.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.5 | 1.0 | 5.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.5 | 1.0 | 7.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -11.4 | -0.5 | -5.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -11.4 | -0.5 | -3.5 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -11.4 | -0.5 | -2.4 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.6 | -0.1 | -0.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.6 | -0.1 | -0.5 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.6 | -0.1 | -0.7 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 152 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.6 | 0.9 | 6.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.6 | 0.9 | 6.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.6 | 0.9 | 7.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -11.6 | -0.4 | -5.9 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -11.6 | -0.4 | -3.7 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -11.6 | -0.4 | -2.5 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.7 | -0.1 | -0.4 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.7 | -0.1 | -0.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.7 | -0.1 | -0.8 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 153 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.7 | 0.9 | 6.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.7 | 0.9 | 6.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.7 | 0.9 | 8.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -11.8 | -0.4 | -6.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -11.8 | -0.4 | -3.9 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -11.8 | -0.4 | -2.7 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.7 | -0.1 | -0.4 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.7 | -0.1 | -0.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.7 | -0.1 | -0.8 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 154 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 2.8 | 0.8 | 6.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.8 | 0.8 | 6.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.8 | 0.8 | 8.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.0 | -0.4 | -6.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.0 | -0.4 | -4.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.0 | -0.4 | -2.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.8 | -0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | -0.1 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.8 | -0.1 | -0.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 155 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 2.9 | 0.7 | 7.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.9 | 0.7 | 7.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.9 | 0.7 | 8.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.1 | -0.4 | -6.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.1 | -0.4 | -4.2 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.1 | -0.4 | -3.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.8 | -0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | -0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.8 | -0.1 | -0.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 156 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 2.9 | 0.7 | 7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.9 | 0.7 | 7.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.9 | 0.7 | 8.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.2 | -0.4 | -6.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.2 | -0.4 | -4.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.2 | -0.4 | -3.1 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.8 | -0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | -0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.8 | -0.1 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 157 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.6 | 7.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.6 | 7.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.6 | 9.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.3 | -0.3 | -6.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.3 | -0.3 | -4.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.3 | -0.3 | -3.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | -0.1 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | -0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | -0.1 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 158 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.6 | 7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.6 | 7.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.6 | 9.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.4 | -0.3 | -6.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.4 | -0.3 | -4.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.4 | -0.3 | -3.3 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | -0.0 | -0.5 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 0.9 | -0.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | -0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 159 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.5 | 7.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.5 | 7.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.5 | 9.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.5 | -0.3 | -6.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.5 | -0.3 | -4.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.5 | -0.3 | -3.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | -0.0 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | -0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 160 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.5 | 7.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.5 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.5 | 9.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.5 | -0.3 | -6.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.5 | -0.3 | -4.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.5 | -0.3 | -3.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | -0.0 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | -0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 161 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.4 | 7.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.4 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.4 | 9.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.5 | -0.3 | -6.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.5 | -0.3 | -4.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.5 | -0.3 | -3.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | -0.0 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | -0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 162 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.4 | 7.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.4 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.4 | 9.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.5 | -0.3 | -6.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.5 | -0.3 | -4.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.5 | -0.3 | -3.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | -0.0 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | -0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 163 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 0.4 | 7.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.4 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.4 | 9.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.5 | -0.4 | -6.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.5 | -0.4 | -4.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.5 | -0.4 | -3.5 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|--|-----|-----|-----|-------|------|------|-----|
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.9 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.0 | -1.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | | |
| 164 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 0.3 | 7.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 0.3 | 7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 0.3 | 9.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -12.5 | -0.4 | -6.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -12.5 | -0.4 | -4.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.5 | -0.4 | -3.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.9 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.0 | -1.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | | |
| 165 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 0.3 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 0.3 | 7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 0.3 | 9.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -12.5 | -0.4 | -6.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -12.5 | -0.4 | -4.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.5 | -0.4 | -3.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.9 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.0 | -1.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | | |
| 166 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 0.3 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 0.3 | 7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 0.3 | 9.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -12.5 | -0.5 | -6.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -12.5 | -0.5 | -4.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.5 | -0.5 | -3.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.9 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.0 | -1.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | | |
| 167 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 0.3 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 0.3 | 7.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 0.3 | 9.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -12.5 | -0.5 | -6.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -12.5 | -0.5 | -4.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.5 | -0.5 | -3.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.9 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.0 | -1.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | | |
| 168 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 0.3 | 7.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 0.3 | 7.5 | 0.0 |

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| | | | | | | | | | |
|-----|------------|----------------|------------------|-----|-----|-------|------|------|-----|
| | | | J | 0.0 | 0.0 | 3.0 | 0.3 | 9.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.4 | -0.6 | -6.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.4 | -0.6 | -4.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.4 | -0.6 | -3.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | 0.0 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | 0.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | 0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 169 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 3.0 | 0.3 | 7.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 0.3 | 7.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 0.3 | 9.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.3 | -0.6 | -6.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.3 | -0.6 | -4.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.3 | -0.6 | -3.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.9 | 0.1 | -0.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.9 | 0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.9 | 0.1 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 170 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 2.9 | 0.4 | 7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.9 | 0.4 | 7.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.9 | 0.4 | 8.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.2 | -0.7 | -6.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.2 | -0.7 | -4.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.2 | -0.7 | -3.1 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.8 | 0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.8 | 0.1 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 171 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 2.9 | 0.4 | 7.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.9 | 0.4 | 7.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.9 | 0.4 | 8.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.1 | -0.7 | -6.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.1 | -0.7 | -4.2 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.1 | -0.7 | -3.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.8 | 0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.8 | 0.1 | -0.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 172 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 2.8 | 0.4 | 6.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.8 | 0.4 | 6.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.8 | 0.4 | 8.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.0 | -0.8 | -6.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.0 | -0.8 | -4.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.0 | -0.8 | -2.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.8 | 0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.8 | 0.1 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.8 | 0.1 | -0.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 173 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.7 | 0.4 | 6.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.7 | 0.4 | 6.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.7 | 0.4 | 8.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -11.8 | -0.9 | -6.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -11.8 | -0.9 | -3.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -11.8 | -0.9 | -2.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.7 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.1 | -0.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.1 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 174 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.6 | 0.4 | 6.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.6 | 0.4 | 6.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.6 | 0.4 | 7.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -11.6 | -0.9 | -5.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -11.6 | -0.9 | -3.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -11.6 | -0.9 | -2.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.7 | 0.1 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.1 | -0.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.1 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 175 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.5 | 0.5 | 5.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.5 | 0.5 | 5.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.5 | 0.5 | 7.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -11.4 | -1.0 | -5.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -11.4 | -1.0 | -3.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -11.4 | -1.0 | -2.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.6 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.1 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.1 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 176 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.4 | 0.5 | 5.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.4 | 0.5 | 5.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.4 | 0.5 | 6.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -11.1 | -1.0 | -5.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -11.1 | -1.0 | -3.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -11.1 | -1.0 | -2.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.6 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.1 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.1 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 177 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.3 | 0.5 | 5.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.3 | 0.5 | 4.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.3 | 0.5 | 6.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -10.8 | -1.1 | -5.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -10.8 | -1.1 | -3.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -10.8 | -1.1 | -2.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.5 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | 0.1 | -0.5 | 0.0 |

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| | | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|-------|------|------|-----|-----|
| | | | J | 0.0 | 0.0 | 0.5 | 0.1 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 178 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.1 | 0.5 | 4.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.1 | 0.5 | 4.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.1 | 0.5 | 5.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -10.3 | -1.1 | -4.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -10.3 | -1.1 | -2.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -10.3 | -1.1 | -1.8 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.4 | 0.1 | -0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.1 | -0.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.4 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 179 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.9 | 0.6 | 4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | 0.6 | 3.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.9 | 0.6 | 5.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -9.7 | -1.1 | -4.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -9.7 | -1.1 | -2.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -9.7 | -1.1 | -1.5 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.4 | 0.1 | -0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.1 | -0.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.4 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 180 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.7 | 0.6 | 3.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.7 | 0.6 | 3.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.7 | 0.6 | 4.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -8.8 | -1.2 | -3.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -8.8 | -1.2 | -2.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -8.8 | -1.2 | -1.3 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.1 | -0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | -0.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 181 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.4 | 0.6 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.4 | 0.6 | 2.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 0.6 | 4.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -8.4 | -1.2 | -3.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -8.4 | -1.2 | -2.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -8.4 | -1.2 | -1.1 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.2 | 0.1 | -0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | -0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.2 | 0.1 | -0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 182 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 1.4 | 0.6 | 2.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.4 | 0.6 | 2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.4 | 0.6 | 3.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -7.8 | -1.2 | -2.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -7.8 | -1.2 | -1.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -7.8 | -1.2 | -1.3 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| | | | | | | | | | |
|-----|------------|----------------|-----------------------|-----|-----|-------|-------|-------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 183 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 2.7 | 0.6 | 1.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.7 | 0.6 | 1.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.7 | 0.6 | 3.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -6.9 | -1.2 | -2.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -6.9 | -1.2 | -1.3 | 0.0 |
| | | | J | 0.0 | 0.0 | -6.9 | -1.2 | -1.8 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 184 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 5.2 | 0.6 | 1.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 5.2 | 0.6 | 0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 5.2 | 0.6 | 2.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -7.4 | -1.2 | -1.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -7.4 | -1.2 | -1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -7.4 | -1.2 | -2.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.3 | 0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.3 | 0.1 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.3 | 0.1 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 185 | 2 | 3 c mobili Max | I | 0.0 | 0.0 | 11.1 | 0.6 | 2.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 11.1 | 0.6 | 0.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 11.1 | 0.6 | 2.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -7.7 | -1.2 | -2.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -7.7 | -1.2 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -7.7 | -1.2 | -3.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.7 | 0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.7 | 0.1 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.7 | 0.1 | 0.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 186 | 2 | 4 c mobili Max | I | 0.0 | 0.0 | 112.0 | 10.9 | 60.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 112.0 | 10.9 | 47.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 112.0 | 10.9 | 42.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -47.8 | -20.2 | -59.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -47.8 | -20.2 | -50.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -47.8 | -20.2 | -56.8 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -1.3 | 0.4 | -1.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -1.3 | 0.4 | -1.2 | 0.0 |
| | | | J | 0.0 | 0.0 | -1.3 | 0.4 | -0.8 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -14.0 | 2.4 | -0.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -14.0 | 2.4 | 3.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -14.0 | 2.4 | 7.8 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 187 | 1 | 1 c mobili Max | I | 0.0 | 0.0 | 154.6 | 133.4 | 8.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 154.6 | 133.4 | 22.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 154.6 | 133.4 | 36.7 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|-----|-----|--------|--------|-------|-----|
| | | | Min | I | 0.0 | 0.0 | -57.5 | -188.2 | -11.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -57.5 | -188.2 | -41.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -57.5 | -188.2 | -79.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.6 | 4.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.9 | 4.1 | -1.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 13.3 | 4.1 | -3.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -9.0 | 13.9 | 1.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.5 | 13.9 | 3.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.0 | 13.9 | 5.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 188 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 10.7 | 145.4 | 37.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 10.7 | 145.4 | 64.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 10.7 | 145.4 | 136.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -308.1 | -204.3 | -79.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -308.1 | -204.3 | -64.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -308.1 | -204.3 | -59.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -279.2 | 4.3 | -3.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -272.8 | 4.3 | 65.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -266.4 | 4.3 | 132.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -74.0 | 14.7 | 5.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -72.5 | 14.7 | 23.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -71.0 | 14.7 | 41.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 189 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 26.1 | 147.2 | 136.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.1 | 147.2 | 184.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.1 | 147.2 | 255.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -284.7 | -215.8 | -59.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -284.7 | -215.8 | -57.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -284.7 | -215.8 | -55.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -266.4 | 4.4 | 132.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -260.1 | 4.4 | 198.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -253.7 | 4.4 | 262.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -71.3 | 15.1 | 41.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -69.8 | 15.1 | 59.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -68.3 | 15.1 | 76.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 190 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 35.5 | 150.6 | 254.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 35.5 | 150.6 | 291.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 35.5 | 150.6 | 358.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -268.3 | -220.7 | -55.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -268.3 | -220.7 | -53.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -268.3 | -220.7 | -51.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -253.7 | 4.3 | 262.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -247.3 | 4.3 | 325.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -240.9 | 4.3 | 386.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -68.4 | 15.2 | 76.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -66.9 | 15.2 | 93.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -65.4 | 15.2 | 110.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 191 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 48.6 | 147.5 | 358.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 48.6 | 147.5 | 387.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 48.6 | 147.5 | 450.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -255.6 | -220.8 | -51.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -255.6 | -220.8 | -49.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -255.6 | -220.8 | -47.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -241.0 | 4.3 | 386.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -234.6 | 4.3 | 445.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -228.2 | 4.3 | 503.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -65.4 | 15.1 | 110.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -63.9 | 15.1 | 126.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -62.4 | 15.1 | 142.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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|--------------|------|------------|--------------|------|------------|--------------|--------|--------|-------|-------|-------|-------|-----|
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | | | |
| 192 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 61.1 | 144.8 | 450.1 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 61.1 | 144.8 | 473.1 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 61.1 | 144.8 | 533.3 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -245.0 | -217.8 | -47.9 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -245.0 | -217.8 | -46.4 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -245.0 | -217.8 | -44.8 | 0.0 | | | |
| | | | | PP | I | 0.0 | 0.0 | -228.2 | 4.2 | 503.5 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -221.9 | 4.2 | 559.8 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -215.5 | 4.2 | 614.5 | 0.0 | | |
| | | | | perm | I | 0.0 | 0.0 | -62.3 | 14.9 | 142.1 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -60.8 | 14.9 | 157.5 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -59.3 | 14.9 | 172.5 | 0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 193 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 70.8 | 142.3 | 532.9 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 70.8 | 142.3 | 553.4 | 0.0 |
| | J | 0.0 | | | | 0.0 | 70.8 | 142.3 | 608.1 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | -235.9 | -212.7 | -44.8 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -235.9 | -212.7 | -43.4 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -235.9 | -212.7 | -42.0 | 0.0 | | | |
| | PP | I | | | | 0.0 | 0.0 | -215.5 | 4.1 | 614.5 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -209.2 | 4.1 | 667.5 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -202.8 | 4.1 | 719.0 | 0.0 | | |
| | perm | I | | | | 0.0 | 0.0 | -59.1 | 14.6 | 172.6 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -57.6 | 14.6 | 187.2 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -56.1 | 14.6 | 201.4 | 0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 194 | 1 | 1 c mobili | | | | Max | I | 0.0 | 0.0 | 79.0 | 140.0 | 607.8 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 79.0 | 140.0 | 626.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 79.0 | 140.0 | 676.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -227.9 | -206.4 | -42.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -227.9 | -206.4 | -40.7 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -227.9 | -206.4 | -39.5 | 0.0 | | | |
| | | | | PP | I | 0.0 | 0.0 | -202.8 | 3.9 | 719.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -196.5 | 3.9 | 768.9 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -190.1 | 3.9 | 817.2 | 0.0 | | |
| | | | | perm | I | 0.0 | 0.0 | -55.9 | 14.1 | 201.5 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -54.4 | 14.1 | 215.3 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -52.9 | 14.1 | 228.7 | 0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 195 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 86.0 | 137.6 | 675.6 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 86.0 | 137.6 | 691.9 | 0.0 |
| | J | 0.0 | | | | 0.0 | 86.0 | 137.6 | 737.6 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | -220.6 | -199.2 | -39.4 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -220.6 | -199.2 | -38.3 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -220.6 | -199.2 | -37.2 | 0.0 | | | |
| | PP | I | | | | 0.0 | 0.0 | -190.1 | 3.8 | 817.2 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -183.8 | 3.8 | 864.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -177.4 | 3.8 | 909.1 | 0.0 | | |
| | perm | I | | | | 0.0 | 0.0 | -52.6 | 13.6 | 228.8 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -51.1 | 13.6 | 241.7 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -49.6 | 13.6 | 254.3 | 0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 196 | 1 | 1 c mobili | | | | Max | I | 0.0 | 0.0 | 92.1 | 135.1 | 737.3 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 92.1 | 135.1 | 751.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 92.1 | 135.1 | 793.6 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -214.0 | -191.6 | -37.2 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -214.0 | -191.6 | -36.1 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -214.0 | -191.6 | -35.1 | 0.0 | | | |
| | | | | PP | I | 0.0 | 0.0 | -177.4 | 3.6 | 909.1 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -171.1 | 3.6 | 952.7 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -164.7 | 3.6 | 994.6 | 0.0 | | |
| | | | | perm | I | 0.0 | 0.0 | -49.2 | 12.9 | 254.4 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -47.7 | 12.9 | 266.5 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -46.2 | 12.9 | 278.3 | 0.0 | | |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|-------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 197 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 97.6 | 132.3 | 793.3 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 97.6 | 132.3 | 805.9 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 97.6 | 132.3 | 844.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -207.9 | -183.6 | -35.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -207.9 | -183.6 | -34.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -207.9 | -183.6 | -33.2 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -164.8 | 3.4 | 994.6 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -158.4 | 3.4 | 1035.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -152.0 | 3.4 | 1073.8 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -45.9 | 12.2 | 278.3 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -44.4 | 12.2 | 289.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -42.9 | 12.2 | 300.5 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 198 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 102.5 | 129.3 | 843.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 102.5 | 129.3 | 854.9 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 102.5 | 129.3 | 889.9 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -202.1 | -175.4 | -33.2 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -202.1 | -175.4 | -32.4 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -202.1 | -175.4 | -31.5 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -152.1 | 3.2 | 1073.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -145.7 | 3.2 | 1111.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -139.3 | 3.2 | 1146.7 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -42.4 | 11.5 | 300.6 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -40.9 | 11.5 | 311.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -39.4 | 11.5 | 321.1 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 199 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 107.1 | 126.0 | 889.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 107.1 | 126.0 | 899.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 107.1 | 126.0 | 930.9 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -196.7 | -167.1 | -31.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -196.7 | -167.1 | -30.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -196.7 | -167.1 | -29.9 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -139.4 | 2.9 | 1146.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -133.0 | 2.9 | 1180.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -126.7 | 2.9 | 1213.2 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -39.0 | 10.7 | 321.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -37.5 | 10.7 | 330.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -36.0 | 10.7 | 339.8 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 200 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 111.4 | 122.5 | 930.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 111.4 | 122.5 | 938.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 111.4 | 122.5 | 967.5 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -191.5 | -158.8 | -29.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -191.5 | -158.8 | -29.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -191.5 | -158.8 | -28.5 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -126.7 | 2.7 | 1213.2 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -120.4 | 2.7 | 1244.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -114.0 | 2.7 | 1273.3 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -35.5 | 9.8 | 339.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -34.0 | 9.8 | 348.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -32.5 | 9.8 | 356.9 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 201 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 115.4 | 118.9 | 967.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 115.4 | 118.9 | 973.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 115.4 | 118.9 | 999.7 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -186.5 | -150.5 | -28.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -186.5 | -150.5 | -27.8 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -186.5 | -150.5 | -27.1 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -114.1 | 2.4 | 1273.3 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -107.7 | 2.4 | 1301.0 | 0.0 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|--------|--------|--------|--------|-----|
| | | | J | 0.0 | 0.0 | -101.3 | 2.4 | 1327.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -32.0 | 8.9 | 356.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -30.5 | 8.9 | 364.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -29.0 | 8.9 | 372.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 202 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 119.4 | 115.0 | 999.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 119.4 | 115.0 | 1004.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 119.4 | 115.0 | 1027.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -181.7 | -142.3 | -27.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -181.7 | -142.3 | -26.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -181.7 | -142.3 | -25.8 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -101.4 | 2.2 | 1327.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -95.0 | 2.2 | 1351.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -88.6 | 2.2 | 1374.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -28.4 | 7.9 | 372.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -26.9 | 7.9 | 379.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -25.4 | 7.9 | 385.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 203 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 123.5 | 111.0 | 1027.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 123.5 | 111.0 | 1031.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 123.5 | 111.0 | 1051.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -177.1 | -134.1 | -25.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -177.1 | -134.1 | -25.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -177.1 | -134.1 | -24.6 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -88.7 | 1.9 | 1374.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -82.3 | 1.9 | 1396.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -76.0 | 1.9 | 1415.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -24.9 | 6.9 | 385.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -23.4 | 6.9 | 391.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -21.9 | 6.9 | 397.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 204 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 127.5 | 106.9 | 1051.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 127.5 | 106.9 | 1053.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 127.5 | 106.9 | 1071.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -172.6 | -125.9 | -24.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -172.6 | -125.9 | -24.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -172.6 | -125.9 | -23.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -76.0 | 1.6 | 1415.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -69.7 | 1.6 | 1434.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -63.3 | 1.6 | 1450.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -21.3 | 5.9 | 397.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -19.8 | 5.9 | 402.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -18.3 | 5.9 | 407.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 205 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 131.4 | 103.2 | 1071.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 131.4 | 103.2 | 1072.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 131.4 | 103.2 | 1087.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -168.2 | -118.0 | -23.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -168.2 | -118.0 | -22.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -168.2 | -118.0 | -22.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -63.4 | 1.3 | 1450.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -57.0 | 1.3 | 1465.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -50.6 | 1.3 | 1479.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -17.7 | 4.8 | 407.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -16.2 | 4.8 | 411.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -14.7 | 4.8 | 415.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 206 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 135.4 | 100.2 | 1087.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 135.4 | 100.2 | 1086.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 135.4 | 100.2 | 1099.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -163.8 | -111.9 | -22.3 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|-----|--------|--------|--------|--------|-----|
| | | | CNT | 0.0 | 0.0 | -163.8 | -111.9 | -21.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -163.8 | -111.9 | -21.3 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -50.7 | 1.0 | 1479.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -44.3 | 1.0 | 1491.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -38.0 | 1.0 | 1501.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -14.1 | 3.8 | 415.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -12.6 | 3.8 | 418.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -11.1 | 3.8 | 421.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 207 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 139.3 | 98.7 | 1099.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 139.3 | 98.7 | 1097.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 139.3 | 98.7 | 1107.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -159.6 | -106.9 | -21.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -159.6 | -106.9 | -20.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -159.6 | -106.9 | -20.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -38.0 | 0.7 | 1501.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -31.7 | 0.7 | 1510.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -25.3 | 0.7 | 1517.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -10.5 | 2.7 | 421.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -9.0 | 2.7 | 424.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -7.5 | 2.7 | 426.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 208 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 143.3 | 99.5 | 1107.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 143.3 | 99.5 | 1104.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 143.3 | 99.5 | 1111.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -155.4 | -103.6 | -20.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -155.4 | -103.6 | -19.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -155.4 | -103.6 | -19.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -25.4 | 0.4 | 1517.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -19.0 | 0.4 | 1522.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -12.6 | 0.4 | 1526.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -6.9 | 1.6 | 426.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -5.4 | 1.6 | 427.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -3.9 | 1.6 | 429.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 209 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 147.3 | 100.5 | 1111.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 147.3 | 100.5 | 1107.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 147.3 | 100.5 | 1111.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -151.3 | -101.9 | -19.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -151.3 | -101.9 | -18.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -151.3 | -101.9 | -18.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -12.7 | 0.2 | 1526.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -6.3 | 0.2 | 1529.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.2 | 1529.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -3.3 | 0.5 | 429.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.8 | 0.5 | 429.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.3 | 0.5 | 429.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 210 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 151.3 | 101.9 | 1111.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 151.3 | 101.9 | 1107.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 151.3 | 101.9 | 1111.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -147.3 | -100.5 | -18.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -147.3 | -100.5 | -18.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -147.3 | -100.5 | -19.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -0.0 | -0.2 | 1529.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 6.3 | -0.2 | 1529.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 12.7 | -0.2 | 1526.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.3 | -0.5 | 429.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.8 | -0.5 | 429.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 3.3 | -0.5 | 429.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 211 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 155.4 | 103.6 | 1111.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 155.4 | 103.6 | 1104.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 155.4 | 103.6 | 1107.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -143.3 | -99.5 | -19.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -143.3 | -99.5 | -19.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -143.3 | -99.5 | -20.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 12.6 | -0.4 | 1526.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 19.0 | -0.4 | 1522.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.4 | -0.4 | 1517.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 3.9 | -1.6 | 429.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.4 | -1.6 | 427.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.9 | -1.6 | 426.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|-------|--------|-----|
| 212 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 159.6 | 106.9 | 1107.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 159.6 | 106.9 | 1097.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 159.6 | 106.9 | 1099.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -139.3 | -98.7 | -20.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -139.3 | -98.7 | -20.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -139.3 | -98.7 | -21.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 25.3 | -0.7 | 1517.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 31.7 | -0.7 | 1510.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 38.0 | -0.7 | 1501.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 7.5 | -2.7 | 426.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 9.0 | -2.7 | 424.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 10.5 | -2.7 | 421.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|--------|--------|-----|
| 213 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 163.8 | 111.9 | 1099.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 163.8 | 111.9 | 1086.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 163.8 | 111.9 | 1087.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -135.4 | -100.2 | -21.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -135.4 | -100.2 | -21.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -135.4 | -100.2 | -22.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 38.0 | -1.0 | 1501.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 44.3 | -1.0 | 1491.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 50.7 | -1.0 | 1479.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 11.1 | -3.8 | 421.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.6 | -3.8 | 418.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.1 | -3.8 | 415.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|--------|--------|-----|
| 214 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 168.2 | 118.0 | 1087.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 168.2 | 118.0 | 1072.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 168.2 | 118.0 | 1071.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -131.4 | -103.2 | -22.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -131.4 | -103.2 | -22.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -131.4 | -103.2 | -23.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 50.6 | -1.3 | 1479.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 57.0 | -1.3 | 1465.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 63.4 | -1.3 | 1450.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 14.7 | -4.8 | 415.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 16.2 | -4.8 | 411.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 17.7 | -4.8 | 407.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|--------|--------|-----|
| 215 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 172.6 | 125.9 | 1071.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 172.6 | 125.9 | 1053.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 172.6 | 125.9 | 1051.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -127.5 | -106.9 | -23.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -127.5 | -106.9 | -24.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -127.5 | -106.9 | -24.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 63.3 | -1.6 | 1450.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 69.7 | -1.6 | 1434.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 76.0 | -1.6 | 1415.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 18.3 | -5.9 | 407.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 19.8 | -5.9 | 402.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 21.3 | -5.9 | 397.4 | 0.0 |

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|-----|--------------|------------|------------|--------------|-----|-----|--------|--------|--------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 216 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 177.1 | 134.1 | 1051.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 177.1 | 134.1 | 1031.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 177.1 | 134.1 | 1027.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -123.5 | -111.0 | -24.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -123.5 | -111.0 | -25.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -123.5 | -111.0 | -25.8 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 76.0 | -1.9 | 1415.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 82.3 | -1.9 | 1396.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 88.7 | -1.9 | 1374.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 21.9 | -6.9 | 397.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 23.4 | -6.9 | 391.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 24.9 | -6.9 | 385.7 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 217 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 181.7 | 142.3 | 1027.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 181.7 | 142.3 | 1004.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 181.7 | 142.3 | 999.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -119.4 | -115.0 | -25.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -119.4 | -115.0 | -26.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -119.4 | -115.0 | -27.1 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 88.6 | -2.2 | 1374.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 95.0 | -2.2 | 1351.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 101.4 | -2.2 | 1327.2 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 25.4 | -7.9 | 385.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 26.9 | -7.9 | 379.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 28.4 | -7.9 | 372.2 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 218 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 186.5 | 150.5 | 999.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 186.5 | 150.5 | 973.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 186.5 | 150.5 | 967.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -115.4 | -118.9 | -27.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -115.4 | -118.9 | -27.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -115.4 | -118.9 | -28.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 101.3 | -2.4 | 1327.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 107.7 | -2.4 | 1301.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 114.1 | -2.4 | 1273.3 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 29.0 | -8.9 | 372.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 30.5 | -8.9 | 364.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 32.0 | -8.9 | 356.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 219 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 191.5 | 158.8 | 967.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 191.5 | 158.8 | 938.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 191.5 | 158.8 | 930.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -111.4 | -122.5 | -28.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -111.4 | -122.5 | -29.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -111.4 | -122.5 | -29.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 114.0 | -2.7 | 1273.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 120.4 | -2.7 | 1244.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 126.7 | -2.7 | 1213.2 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 32.5 | -9.8 | 356.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 34.0 | -9.8 | 348.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 35.5 | -9.8 | 339.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 220 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 196.7 | 167.1 | 930.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 196.7 | 167.1 | 899.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 196.7 | 167.1 | 889.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -107.1 | -126.0 | -29.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -107.1 | -126.0 | -30.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -107.1 | -126.0 | -31.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 126.7 | -2.9 | 1213.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 133.0 | -2.9 | 1180.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 139.4 | -2.9 | 1146.7 | 0.0 | |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|-----|
| | | | perm | I | 0.0 | 0.0 | 36.0 | -10.7 | 339.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 37.5 | -10.7 | 330.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 39.0 | -10.7 | 321.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 221 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 202.1 | 175.4 | 889.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 202.1 | 175.4 | 854.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 202.1 | 175.4 | 843.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -102.5 | -129.3 | -31.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -102.5 | -129.3 | -32.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -102.5 | -129.3 | -33.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 139.3 | -3.2 | 1146.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 145.7 | -3.2 | 1111.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 152.1 | -3.2 | 1073.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 39.4 | -11.5 | 321.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 40.9 | -11.5 | 311.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 42.4 | -11.5 | 300.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 222 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 207.9 | 183.6 | 844.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 207.9 | 183.6 | 805.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 207.9 | 183.6 | 793.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -97.6 | -132.3 | -33.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -97.6 | -132.3 | -34.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -97.6 | -132.3 | -35.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 152.0 | -3.4 | 1073.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 158.4 | -3.4 | 1035.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 164.8 | -3.4 | 994.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 42.9 | -12.2 | 300.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 44.4 | -12.2 | 289.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 45.9 | -12.2 | 278.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 223 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 214.0 | 191.6 | 793.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 214.0 | 191.6 | 751.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 214.0 | 191.6 | 737.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -92.1 | -135.1 | -35.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -92.1 | -135.1 | -36.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -92.1 | -135.1 | -37.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 164.7 | -3.6 | 994.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 171.1 | -3.6 | 952.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 177.4 | -3.6 | 909.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 46.2 | -12.9 | 278.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 47.7 | -12.9 | 266.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 49.2 | -12.9 | 254.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 224 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 220.6 | 199.2 | 737.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 220.6 | 199.2 | 691.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 220.6 | 199.2 | 675.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -86.0 | -137.6 | -37.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -86.0 | -137.6 | -38.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -86.0 | -137.6 | -39.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 177.4 | -3.8 | 909.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 183.8 | -3.8 | 864.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 190.1 | -3.8 | 817.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 49.6 | -13.6 | 254.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 51.1 | -13.6 | 241.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 52.6 | -13.6 | 228.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 225 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 227.9 | 206.4 | 676.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 227.9 | 206.4 | 626.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 227.9 | 206.4 | 607.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -79.0 | -140.0 | -39.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -79.0 | -140.0 | -40.7 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-------|--------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | -79.0 | -140.0 | -42.0 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 190.1 | -3.9 | 817.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 196.5 | -3.9 | 768.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 202.8 | -3.9 | 719.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 52.9 | -14.1 | 228.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 54.4 | -14.1 | 215.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 55.9 | -14.1 | 201.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 226 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 235.9 | 212.7 | 608.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 235.9 | 212.7 | 553.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 235.9 | 212.7 | 532.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -70.8 | -142.3 | -42.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -70.8 | -142.3 | -43.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -70.8 | -142.3 | -44.8 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 202.8 | -4.1 | 719.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 209.2 | -4.1 | 667.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 215.5 | -4.1 | 614.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 56.1 | -14.6 | 201.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 57.6 | -14.6 | 187.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 59.1 | -14.6 | 172.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 227 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 245.0 | 217.8 | 533.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 245.0 | 217.8 | 473.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 245.0 | 217.8 | 450.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -61.1 | -144.8 | -44.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -61.1 | -144.8 | -46.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -61.1 | -144.8 | -47.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 215.5 | -4.2 | 614.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 221.9 | -4.2 | 559.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | 228.2 | -4.2 | 503.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 59.3 | -14.9 | 172.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 60.8 | -14.9 | 157.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 62.3 | -14.9 | 142.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 228 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 255.6 | 220.8 | 450.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 255.6 | 220.8 | 387.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 255.6 | 220.8 | 358.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -48.6 | -147.5 | -47.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -48.6 | -147.5 | -49.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -48.6 | -147.5 | -51.4 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 228.2 | -4.3 | 503.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 234.6 | -4.3 | 445.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 241.0 | -4.3 | 386.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 62.4 | -15.1 | 142.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 63.9 | -15.1 | 126.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 65.4 | -15.1 | 110.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 229 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 268.3 | 220.7 | 358.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 268.3 | 220.7 | 291.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 268.3 | 220.7 | 254.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -35.5 | -150.6 | -51.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -35.5 | -150.6 | -53.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -35.5 | -150.6 | -55.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 240.9 | -4.3 | 386.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 247.3 | -4.3 | 325.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 253.7 | -4.3 | 262.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 65.4 | -15.2 | 110.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 66.9 | -15.2 | 93.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 68.4 | -15.2 | 76.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|--------------|---|------------|------------|-----------------------|-----|-----|--------|--------|-------|-------|-----|
| 230 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 284.7 | 215.8 | 255.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 284.7 | 215.8 | 184.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 284.7 | 215.8 | 136.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -26.1 | -147.2 | -55.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -26.1 | -147.2 | -57.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -26.1 | -147.2 | -59.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 253.7 | -4.4 | 262.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 260.1 | -4.4 | 198.4 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 266.4 | -4.4 | 132.6 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 68.3 | -15.1 | 76.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 69.8 | -15.1 | 59.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 71.3 | -15.1 | 41.6 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | | Type: Beam | Section: cap | | | | | | | |
| 231 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 308.1 | 204.3 | 136.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 308.1 | 204.3 | 64.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 308.1 | 204.3 | 37.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -10.7 | -145.4 | -59.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -10.7 | -145.4 | -64.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -10.7 | -145.4 | -79.9 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 266.4 | -4.3 | 132.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 272.8 | -4.3 | 65.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 279.2 | -4.3 | -3.8 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 71.0 | -14.7 | 41.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 72.5 | -14.7 | 23.6 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 74.0 | -14.7 | 5.3 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | | Type: Beam | Section: cap | | | | | | | |
| 232 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 57.5 | 188.2 | 36.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 57.5 | 188.2 | 22.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 57.5 | 188.2 | 8.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -154.6 | -133.4 | -79.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -154.6 | -133.4 | -41.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -154.6 | -133.4 | -11.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | -13.3 | -4.1 | -3.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -6.9 | -4.1 | -1.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.6 | -4.1 | -0.3 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 6.0 | -13.9 | 5.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 7.5 | -13.9 | 3.5 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 9.0 | -13.9 | 1.4 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | | Type: Beam | Section: cap | | | | | | | |
| 233 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 120.7 | 23.7 | 76.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 131.1 | 23.7 | 52.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 131.1 | 23.7 | 36.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -143.1 | -17.3 | -67.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -92.5 | -17.3 | -56.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -92.5 | -17.3 | -68.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | -1.9 | -0.7 | -2.7 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -1.9 | -0.7 | -2.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -1.9 | -0.7 | -1.6 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -4.9 | -1.0 | 7.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -4.9 | -1.0 | 8.6 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -4.9 | -1.0 | 10.1 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | | Type: Beam | Section: traverso cap | | | | | | | |
| 234 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 15.7 | 1.4 | 4.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 26.0 | 1.4 | 0.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 26.0 | 1.4 | 2.3 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -103.1 | -1.0 | -2.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -8.1 | -1.0 | -0.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -8.1 | -1.0 | -7.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.1 | -0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -0.1 | -0.1 | -0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.1 | -0.1 | -0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 235 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 15.6 | 1.4 | 5.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 24.7 | 1.4 | 1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 24.7 | 1.4 | 1.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -99.2 | -1.0 | -1.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -3.7 | -1.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -3.7 | -1.0 | -6.8 | 0.0 |
| | | PP | I | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 236 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 16.9 | 1.4 | 6.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 25.2 | 1.4 | 1.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 25.2 | 1.4 | 1.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -98.3 | -1.0 | -1.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -1.8 | -1.0 | -1.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -1.8 | -1.0 | -7.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 237 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 17.2 | 1.4 | 6.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 25.7 | 1.4 | 2.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 25.7 | 1.4 | 2.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -99.0 | -1.0 | -2.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -2.0 | -1.0 | -1.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -2.0 | -1.0 | -6.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 238 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 17.3 | 1.4 | 7.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 25.8 | 1.4 | 3.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 25.8 | 1.4 | 3.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -100.0 | -1.0 | -2.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -3.0 | -1.0 | -1.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -3.0 | -1.0 | -6.4 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | -0.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.1 | -0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 239 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 17.6 | 1.4 | 8.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 25.8 | 1.4 | 3.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 25.8 | 1.4 | 3.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -101.0 | -1.0 | -3.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -3.9 | -1.0 | -2.2 | 0.0 |
| | | | J | 0.0 | 0.0 | -3.9 | -1.0 | -5.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------|------------|-----|-----|------------------|------|------|-----|
| | | | perm | I | 0.0 | 0.0 | 0.1 | -0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 240 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 18.2 | 1.3 | 8.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.3 | 4.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.3 | 4.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -101.7 | -1.0 | -3.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.8 | -1.0 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.8 | -1.0 | -5.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.1 | -0.1 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | -0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 241 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 18.7 | 1.3 | 9.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.3 | 5.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.3 | 4.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -102.3 | -0.9 | -4.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.5 | -0.9 | -3.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.5 | -0.9 | -5.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | -0.1 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.1 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 242 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.1 | 1.2 | 10.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.9 | 1.2 | 5.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.9 | 1.2 | 5.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -102.7 | -0.9 | -4.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.1 | -0.9 | -3.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.1 | -0.9 | -5.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 243 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.5 | 1.2 | 10.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.9 | 1.2 | 6.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.9 | 1.2 | 5.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -103.1 | -0.9 | -5.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.6 | -0.9 | -3.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.6 | -0.9 | -5.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | -0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 244 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.8 | 1.1 | 11.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.0 | 1.1 | 6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.0 | 1.1 | 6.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -103.4 | -0.8 | -5.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.0 | -0.8 | -3.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.0 | -0.8 | -5.7 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------|------------------|-----|-----|--------|------|------|-----|
| | | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 245 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.1 | 1.0 | 11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.1 | 1.0 | 7.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.1 | 1.0 | 6.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -103.7 | -0.8 | -5.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.4 | -0.8 | -4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.4 | -0.8 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | -0.0 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 246 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.3 | 1.0 | 12.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.2 | 1.0 | 7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.2 | 1.0 | 6.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -103.9 | -0.7 | -6.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.7 | -0.7 | -4.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.7 | -0.7 | -5.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 247 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.5 | 0.9 | 12.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.2 | 0.9 | 8.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.2 | 0.9 | 7.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -104.1 | -0.7 | -6.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.0 | -0.7 | -4.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.0 | -0.7 | -5.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 248 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.7 | 0.8 | 13.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.3 | 0.8 | 8.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.3 | 0.8 | 7.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -104.3 | -0.7 | -6.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.2 | -0.7 | -4.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.2 | -0.7 | -5.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 249 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.8 | 0.8 | 13.5 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | | CNT | 0.0 | 0.0 | 26.4 | 0.8 | 8.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.4 | 0.8 | 7.6 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -104.4 | -0.6 | -6.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.5 | -0.6 | -4.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.5 | -0.6 | -5.6 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.0 | 0.1 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 250 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.9 | 0.7 | 13.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.4 | 0.7 | 8.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.4 | 0.7 | 7.7 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -104.5 | -0.6 | -6.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.6 | -0.6 | -5.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.6 | -0.6 | -5.5 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -1.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 251 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 21.0 | 0.6 | 14.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.5 | 0.6 | 9.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.5 | 0.6 | 7.8 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -104.6 | -0.6 | -7.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.8 | -0.6 | -5.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.8 | -0.6 | -5.5 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -1.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 252 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 21.1 | 0.6 | 14.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.5 | 0.6 | 9.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.5 | 0.6 | 7.9 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -104.7 | -0.5 | -7.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.9 | -0.5 | -5.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.9 | -0.5 | -5.5 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -1.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 253 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 21.1 | 0.5 | 14.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.5 | 0.5 | 9.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.5 | 0.5 | 8.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -104.7 | -0.5 | -7.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.0 | -0.5 | -5.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -9.0 | -0.5 | -5.5 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -1.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 254 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.2 | 0.5 | 14.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.5 | 0.5 | 9.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.5 | 0.5 | 8.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.8 | -0.5 | -7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.0 | -0.5 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.0 | -0.5 | -5.5 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 255 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.2 | 0.4 | 14.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.6 | 0.4 | 9.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.6 | 0.4 | 8.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.8 | -0.5 | -7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.1 | -0.5 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.1 | -0.5 | -5.5 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | -0.0 | -0.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | -1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | -0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 256 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.2 | 0.4 | 14.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.6 | 0.4 | 9.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.6 | 0.4 | 7.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.8 | -0.4 | -7.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.1 | -0.4 | -5.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.1 | -0.4 | -5.5 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 257 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.2 | 0.5 | 14.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.6 | 0.5 | 9.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.6 | 0.5 | 8.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.8 | -0.4 | -7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.1 | -0.4 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.1 | -0.4 | -5.5 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 258 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.2 | 0.5 | 14.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.5 | 0.5 | 9.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.5 | 0.5 | 8.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.8 | -0.5 | -7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.0 | -0.5 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.0 | -0.5 | -5.5 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 259 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.1 | 0.5 | 14.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.5 | 0.5 | 9.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.5 | 0.5 | 8.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.7 | -0.5 | -7.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.0 | -0.5 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.0 | -0.5 | -5.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 260 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.1 | 0.5 | 14.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.5 | 0.5 | 9.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.5 | 0.5 | 7.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.7 | -0.6 | -7.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -8.9 | -0.6 | -5.3 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.9 | -0.6 | -5.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 261 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.0 | 0.6 | 14.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.5 | 0.6 | 9.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.5 | 0.6 | 7.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.6 | -0.6 | -7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -8.8 | -0.6 | -5.2 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.8 | -0.6 | -5.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 262 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 20.9 | 0.6 | 13.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.4 | 0.6 | 8.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.4 | 0.6 | 7.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.5 | -0.7 | -6.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -8.6 | -0.7 | -5.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.6 | -0.7 | -5.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -1.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 263 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 20.8 | 0.6 | 13.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 26.4 | 0.6 | 8.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 26.4 | 0.6 | 7.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -104.4 | -0.8 | -6.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -8.5 | -0.8 | -4.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.5 | -0.8 | -5.6 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 264 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.7 | 0.7 | 13.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.3 | 0.7 | 8.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.3 | 0.7 | 7.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -104.3 | -0.8 | -6.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.2 | -0.8 | -4.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.2 | -0.8 | -5.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 265 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.5 | 0.7 | 12.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.2 | 0.7 | 8.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.2 | 0.7 | 7.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -104.1 | -0.9 | -6.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.0 | -0.9 | -4.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.0 | -0.9 | -5.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 266 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.3 | 0.7 | 12.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.2 | 0.7 | 7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.2 | 0.7 | 6.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -103.9 | -1.0 | -6.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.7 | -1.0 | -4.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.7 | -1.0 | -5.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.3 | 0.0 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 267 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 20.1 | 0.8 | 11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.1 | 0.8 | 7.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.1 | 0.8 | 6.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -103.7 | -1.0 | -5.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.4 | -1.0 | -4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.4 | -1.0 | -5.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | 0.0 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 268 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.8 | 0.8 | 11.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.0 | 0.8 | 6.9 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|--------|------|------|------|-----|
| | | | J | 0.0 | 0.0 | 26.0 | 0.8 | 6.2 | 0.0 | |
| | | Min | I | 0.0 | 0.0 | -103.4 | -1.1 | -5.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -7.0 | -1.1 | -3.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -7.0 | -1.1 | -5.7 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.2 | 0.0 | -0.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | -0.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | -0.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 269 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.5 | 0.9 | 10.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.9 | 0.9 | 6.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.9 | 0.9 | 5.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -103.1 | -1.2 | -5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -6.6 | -1.2 | -3.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -6.6 | -1.2 | -5.8 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.2 | 0.0 | -0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | -0.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 270 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.1 | 0.9 | 10.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.9 | 0.9 | 5.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.9 | 0.9 | 5.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -102.7 | -1.2 | -4.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -6.1 | -1.2 | -3.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -6.1 | -1.2 | -5.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.2 | 0.0 | -0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | -0.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 271 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 18.7 | 0.9 | 9.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 0.9 | 5.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 0.9 | 4.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -102.3 | -1.3 | -4.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -5.5 | -1.3 | -3.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -5.5 | -1.3 | -5.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.2 | 0.1 | -0.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | -0.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.2 | 0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 272 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 18.2 | 1.0 | 8.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.0 | 4.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.0 | 4.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -101.7 | -1.3 | -3.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -4.8 | -1.3 | -2.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -4.8 | -1.3 | -5.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|--------|------|------|-----|
| 273 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 17.6 | 1.0 | 8.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.0 | 3.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.0 | 3.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -101.0 | -1.4 | -3.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.9 | -1.4 | -2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.9 | -1.4 | -5.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|--------|------|------|-----|
| 274 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 17.3 | 1.0 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.0 | 3.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.0 | 3.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -100.0 | -1.4 | -2.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.0 | -1.4 | -1.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.0 | -1.4 | -6.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 275 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 17.2 | 1.0 | 6.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.7 | 1.0 | 2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.7 | 1.0 | 2.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -99.0 | -1.4 | -2.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -2.0 | -1.4 | -1.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -2.0 | -1.4 | -6.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 276 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 16.9 | 1.0 | 6.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.2 | 1.0 | 1.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.2 | 1.0 | 1.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -98.3 | -1.4 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.8 | -1.4 | -1.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.8 | -1.4 | -7.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
|------------|---|------------|------------------|-----|-----|-----|-------|------|------|-----|
| 277 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 15.6 | 1.0 | 5.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 24.7 | 1.0 | 1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 24.7 | 1.0 | 1.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -99.2 | -1.4 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.7 | -1.4 | -0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.7 | -1.4 | -6.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.0 | 0.1 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.1 | -0.1 | 0.0 |

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|-----|--------------|------------|-----------------------|-----|-----|--------|--------|-------|-------|-----|
| | | | J | 0.0 | 0.0 | -0.0 | 0.1 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 278 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 15.7 | 1.0 | 4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.0 | 1.0 | 0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.0 | 1.0 | 2.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -103.1 | -1.4 | -2.8 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -8.1 | -1.4 | -0.3 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.1 | -1.4 | -7.5 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 279 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 120.7 | 17.3 | 76.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 131.1 | 17.3 | 52.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 131.1 | 17.3 | 36.1 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -143.1 | -23.7 | -67.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -92.5 | -23.7 | -56.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -92.5 | -23.7 | -68.5 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -1.9 | 0.7 | -2.7 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -1.9 | 0.7 | -2.2 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -1.9 | 0.7 | -1.6 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -4.9 | 1.0 | 7.1 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -4.9 | 1.0 | 8.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -4.9 | 1.0 | 10.1 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: traverso cap | | | | | | | |
| 280 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 172.0 | 151.0 | 9.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 172.0 | 151.0 | 23.7 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 172.0 | 151.0 | 38.4 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -58.8 | -218.0 | -14.2 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -58.8 | -218.0 | -46.7 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -58.8 | -218.0 | -89.7 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.3 | 7.3 | -0.5 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 6.7 | 7.3 | -1.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 13.0 | 7.3 | -3.8 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -8.6 | 1.2 | 1.6 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -7.1 | 1.2 | 3.6 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -5.6 | 1.2 | 5.2 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 281 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 5.0 | 164.9 | 39.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 5.0 | 164.9 | 61.3 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 5.0 | 164.9 | 120.4 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -304.5 | -227.0 | -89.9 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -304.5 | -227.0 | -67.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -304.5 | -227.0 | -59.5 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -278.1 | 7.4 | -3.8 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -271.7 | 7.4 | 64.9 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -265.3 | 7.4 | 132.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -73.1 | 1.3 | 5.3 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -71.6 | 1.3 | 23.4 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -70.1 | 1.3 | 41.1 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 282 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 7.6 | 174.6 | 120.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 7.6 | 174.6 | 172.8 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 7.6 | 174.6 | 242.1 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -277.9 | -232.4 | -59.6 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -277.9 | -232.4 | -56.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -277.9 | -232.4 | -53.9 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -265.4 | 7.5 | 132.0 | 0.0 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|--------|--------|--------|-------|-----|
| | | | CNT | 0.0 | 0.0 | -259.0 | 7.5 | 197.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -252.7 | 7.5 | 261.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -70.2 | 1.3 | 41.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -68.7 | 1.3 | 58.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -67.2 | 1.3 | 75.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 283 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 17.8 | 179.6 | 241.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 17.8 | 179.6 | 284.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 17.8 | 179.6 | 348.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -257.6 | -234.1 | -53.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -257.6 | -234.1 | -52.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -257.6 | -234.1 | -50.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -252.7 | 7.4 | 261.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -246.4 | 7.4 | 323.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -240.0 | 7.4 | 384.7 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -67.2 | 1.3 | 75.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -65.7 | 1.3 | 92.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -64.2 | 1.3 | 108.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 284 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 29.9 | 181.1 | 348.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 29.9 | 181.1 | 383.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 29.9 | 181.1 | 442.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -241.8 | -232.9 | -50.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -241.8 | -232.9 | -48.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -241.8 | -232.9 | -46.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -240.1 | 7.2 | 384.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -233.7 | 7.2 | 443.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -227.3 | 7.2 | 501.5 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -64.1 | 1.2 | 108.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -62.6 | 1.2 | 124.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -61.1 | 1.2 | 140.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 285 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 42.9 | 179.3 | 441.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 42.9 | 179.3 | 472.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 42.9 | 179.3 | 525.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -229.2 | -229.5 | -46.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -229.2 | -229.5 | -45.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -229.2 | -229.5 | -43.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -227.4 | 7.0 | 501.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -221.1 | 7.0 | 557.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -214.7 | 7.0 | 612.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -61.0 | 1.2 | 140.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -59.5 | 1.2 | 155.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -58.0 | 1.2 | 169.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 286 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 52.8 | 175.8 | 524.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 52.8 | 175.8 | 552.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 52.8 | 175.8 | 599.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -218.8 | -224.6 | -43.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -218.8 | -224.6 | -42.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -218.8 | -224.6 | -41.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -214.8 | 6.7 | 612.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -208.4 | 6.7 | 664.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -202.1 | 6.7 | 716.2 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -57.9 | 1.2 | 169.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -56.4 | 1.2 | 184.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -54.9 | 1.2 | 198.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 287 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 60.4 | 171.3 | 599.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 60.4 | 171.3 | 623.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 60.4 | 171.3 | 666.4 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|-----|
| | | | Min | I | 0.0 | 0.0 | -210.1 | -218.3 | -41.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -210.1 | -218.3 | -40.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -210.1 | -218.3 | -38.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -202.2 | 6.4 | 716.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -195.8 | 6.4 | 765.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -189.4 | 6.4 | 814.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -54.7 | 1.1 | 198.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -53.2 | 1.1 | 211.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -51.7 | 1.1 | 224.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 288 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 67.5 | 165.9 | 666.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 67.5 | 165.9 | 688.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 67.5 | 165.9 | 726.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -202.5 | -211.0 | -38.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -202.5 | -211.0 | -37.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -202.5 | -211.0 | -36.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -189.6 | 6.1 | 814.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -183.2 | 6.1 | 860.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -176.8 | 6.1 | 905.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -51.5 | 1.1 | 224.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -50.0 | 1.1 | 237.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -48.5 | 1.1 | 249.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 289 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 73.9 | 159.9 | 726.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 73.9 | 159.9 | 746.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.9 | 159.9 | 781.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -195.7 | -202.9 | -36.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -195.7 | -202.9 | -35.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -195.7 | -202.9 | -34.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -176.9 | 5.8 | 905.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -170.6 | 5.8 | 949.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -164.2 | 5.8 | 990.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -48.2 | 1.0 | 249.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -46.7 | 1.0 | 261.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -45.2 | 1.0 | 273.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 290 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 80.0 | 153.4 | 780.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 80.0 | 153.4 | 798.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 80.0 | 153.4 | 830.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -189.6 | -194.1 | -34.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -189.6 | -194.1 | -33.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -189.6 | -194.1 | -32.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -164.3 | 5.4 | 990.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -157.9 | 5.4 | 1031.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -151.6 | 5.4 | 1069.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -44.9 | 0.9 | 273.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -43.4 | 0.9 | 284.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -41.9 | 0.9 | 295.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 291 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 85.7 | 146.5 | 830.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 85.7 | 146.5 | 846.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 85.7 | 146.5 | 874.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -183.9 | -184.7 | -32.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -183.9 | -184.7 | -31.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -183.9 | -184.7 | -31.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -151.7 | 5.0 | 1069.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -145.3 | 5.0 | 1107.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -138.9 | 5.0 | 1142.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -41.6 | 0.9 | 295.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -40.1 | 0.9 | 305.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -38.6 | 0.9 | 315.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
|--------------|---|------------|--------------|-----|-----|--------|--------|--------|--------|-----|
| 292 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 90.8 | 139.4 | 874.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 90.8 | 139.4 | 888.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 90.8 | 139.4 | 914.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -178.6 | -175.0 | -31.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -178.6 | -175.0 | -30.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -178.6 | -175.0 | -29.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -139.0 | 4.6 | 1142.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -132.7 | 4.6 | 1176.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -126.3 | 4.6 | 1208.9 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -38.2 | 0.8 | 315.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -36.7 | 0.8 | 324.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -35.2 | 0.8 | 333.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 293 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 95.6 | 132.3 | 914.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 95.6 | 132.3 | 926.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 95.6 | 132.3 | 949.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -173.7 | -164.9 | -29.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -173.7 | -164.9 | -28.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -173.7 | -164.9 | -28.0 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -126.4 | 4.2 | 1208.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -120.0 | 4.2 | 1239.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -113.7 | 4.2 | 1268.9 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -34.8 | 0.7 | 333.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -33.3 | 0.7 | 342.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -31.8 | 0.7 | 350.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 294 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 100.1 | 125.7 | 949.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 100.1 | 125.7 | 959.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 100.1 | 125.7 | 980.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -168.9 | -154.7 | -27.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -168.9 | -154.7 | -27.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -168.9 | -154.7 | -26.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -113.8 | 3.8 | 1268.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -107.4 | 3.8 | 1296.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -101.0 | 3.8 | 1322.6 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -31.4 | 0.6 | 350.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -29.9 | 0.6 | 358.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -28.4 | 0.6 | 365.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 295 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 104.4 | 119.3 | 980.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 104.4 | 119.3 | 989.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 104.4 | 119.3 | 1007.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -164.3 | -144.4 | -26.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -164.3 | -144.4 | -25.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -164.3 | -144.4 | -25.2 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -101.1 | 3.4 | 1322.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -94.8 | 3.4 | 1347.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -88.4 | 3.4 | 1369.9 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -27.9 | 0.6 | 365.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -26.4 | 0.6 | 372.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -24.9 | 0.6 | 378.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 296 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 108.5 | 113.0 | 1007.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 108.5 | 113.0 | 1014.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 108.5 | 113.0 | 1030.9 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -159.9 | -134.1 | -25.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -159.9 | -134.1 | -24.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -159.9 | -134.1 | -23.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -88.5 | 3.0 | 1369.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -82.1 | 3.0 | 1391.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -75.8 | 3.0 | 1411.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -24.4 | 0.5 | 378.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -22.9 | 0.5 | 384.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -21.4 | 0.5 | 390.1 | 0.0 | |

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|-----|--------------|------------|--------------|-----|-----|--------|--------|--------|--------|-----|
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 297 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 112.5 | 106.8 | 1030.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 112.5 | 106.8 | 1036.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 112.5 | 106.8 | 1050.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -155.6 | -123.7 | -23.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -155.6 | -123.7 | -23.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -155.6 | -123.7 | -22.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -75.9 | 2.5 | 1411.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -69.5 | 2.5 | 1429.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -63.1 | 2.5 | 1445.7 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -20.9 | 0.4 | 390.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.4 | 0.4 | 395.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.9 | 0.4 | 399.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 298 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 116.4 | 100.7 | 1049.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 116.4 | 100.7 | 1054.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 116.4 | 100.7 | 1065.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -151.4 | -113.3 | -22.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -151.4 | -113.3 | -22.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -151.4 | -113.3 | -21.6 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -63.2 | 2.1 | 1445.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -56.9 | 2.1 | 1460.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -50.5 | 2.1 | 1474.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -17.4 | 0.3 | 399.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -15.9 | 0.3 | 404.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.4 | 0.3 | 407.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 299 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 120.2 | 94.8 | 1065.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 120.2 | 94.8 | 1068.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 120.2 | 94.8 | 1077.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -147.3 | -103.0 | -21.6 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -147.3 | -103.0 | -21.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -147.3 | -103.0 | -20.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -50.6 | 1.6 | 1474.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -44.2 | 1.6 | 1486.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -37.8 | 1.6 | 1496.3 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -13.9 | 0.3 | 407.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -12.4 | 0.3 | 411.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -10.9 | 0.3 | 414.1 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 300 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 124.0 | 89.5 | 1077.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 124.0 | 89.5 | 1078.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 124.0 | 89.5 | 1085.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -143.3 | -93.0 | -20.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -143.3 | -93.0 | -20.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -143.3 | -93.0 | -19.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -38.0 | 1.2 | 1496.2 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -31.6 | 1.2 | 1504.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -25.2 | 1.2 | 1512.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -10.4 | 0.2 | 414.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.9 | 0.2 | 416.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.4 | 0.2 | 418.6 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 301 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 127.8 | 85.8 | 1085.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 127.8 | 85.8 | 1085.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 127.8 | 85.8 | 1090.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -139.4 | -87.6 | -19.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -139.4 | -87.6 | -19.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -139.4 | -87.6 | -18.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -25.3 | 0.7 | 1512.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.0 | 0.7 | 1517.6 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-------|--------|--------|--------|-----|
| | | | J | 0.0 | 0.0 | -12.6 | 0.7 | 1521.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -6.8 | 0.1 | 418.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -5.3 | 0.1 | 420.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -3.8 | 0.1 | 421.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 302 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 131.6 | 83.3 | 1090.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 131.6 | 83.3 | 1088.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 131.6 | 83.3 | 1091.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -135.5 | -85.3 | -18.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -135.5 | -85.3 | -18.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -135.5 | -85.3 | -17.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -12.7 | 0.2 | 1521.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.3 | 0.2 | 1523.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.2 | 1524.7 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -3.3 | 0.0 | 421.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.8 | 0.0 | 421.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.3 | 0.0 | 422.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 303 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 135.5 | 85.3 | 1091.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 135.5 | 85.3 | 1088.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 135.5 | 85.3 | 1090.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -131.6 | -83.3 | -17.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -131.6 | -83.3 | -18.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -131.6 | -83.3 | -18.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -0.1 | -0.2 | 1524.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.3 | -0.2 | 1523.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.7 | -0.2 | 1521.5 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.3 | -0.0 | 422.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 1.8 | -0.0 | 421.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 3.3 | -0.0 | 421.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 304 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 139.4 | 87.6 | 1090.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 139.4 | 87.6 | 1085.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 139.4 | 87.6 | 1085.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -127.8 | -85.8 | -18.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -127.8 | -85.8 | -19.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -127.8 | -85.8 | -19.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 12.6 | -0.7 | 1521.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 19.0 | -0.7 | 1517.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.3 | -0.7 | 1512.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 3.8 | -0.1 | 421.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 5.3 | -0.1 | 420.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 6.8 | -0.1 | 418.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 305 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 143.3 | 93.0 | 1085.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 143.3 | 93.0 | 1078.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 143.3 | 93.0 | 1077.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -124.0 | -89.5 | -19.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -124.0 | -89.5 | -20.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -124.0 | -89.5 | -20.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 25.2 | -1.2 | 1512.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 31.6 | -1.2 | 1504.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 38.0 | -1.2 | 1496.2 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 7.4 | -0.2 | 418.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 8.9 | -0.2 | 416.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 10.4 | -0.2 | 414.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 306 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 147.3 | 103.0 | 1077.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 147.3 | 103.0 | 1068.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 147.3 | 103.0 | 1065.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -120.2 | -94.8 | -20.5 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|--------|--------|--------|--------|-----|
| | | | CNT | 0.0 | 0.0 | -120.2 | -94.8 | -21.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -120.2 | -94.8 | -21.6 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 37.8 | -1.6 | 1496.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 44.2 | -1.6 | 1486.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 50.6 | -1.6 | 1474.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 10.9 | -0.3 | 414.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 12.4 | -0.3 | 411.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 13.9 | -0.3 | 407.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 307 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 151.4 | 113.3 | 1065.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 151.4 | 113.3 | 1054.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 151.4 | 113.3 | 1049.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -116.4 | -100.7 | -21.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -116.4 | -100.7 | -22.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -116.4 | -100.7 | -22.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 50.5 | -2.1 | 1474.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 56.9 | -2.1 | 1460.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 63.2 | -2.1 | 1445.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 14.4 | -0.3 | 407.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 15.9 | -0.3 | 404.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 17.4 | -0.3 | 399.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 308 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 155.6 | 123.7 | 1050.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 155.6 | 123.7 | 1036.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 155.6 | 123.7 | 1030.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.5 | -106.8 | -22.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -112.5 | -106.8 | -23.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -112.5 | -106.8 | -23.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 63.1 | -2.5 | 1445.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 69.5 | -2.5 | 1429.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 75.9 | -2.5 | 1411.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 17.9 | -0.4 | 399.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 19.4 | -0.4 | 395.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 20.9 | -0.4 | 390.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 309 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 159.9 | 134.1 | 1030.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 159.9 | 134.1 | 1014.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 159.9 | 134.1 | 1007.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -108.5 | -113.0 | -23.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -108.5 | -113.0 | -24.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -108.5 | -113.0 | -25.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 75.8 | -3.0 | 1411.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 82.1 | -3.0 | 1391.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 88.5 | -3.0 | 1369.9 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 21.4 | -0.5 | 390.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 22.9 | -0.5 | 384.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 24.4 | -0.5 | 378.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 310 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 164.3 | 144.4 | 1007.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 164.3 | 144.4 | 989.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 164.3 | 144.4 | 980.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -104.4 | -119.3 | -25.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -104.4 | -119.3 | -25.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -104.4 | -119.3 | -26.5 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 88.4 | -3.4 | 1369.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 94.8 | -3.4 | 1347.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 101.1 | -3.4 | 1322.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 24.9 | -0.6 | 378.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 26.4 | -0.6 | 372.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 27.9 | -0.6 | 365.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|---|------------|------|-----|-----|-----|--------|--------|--------|-----|
| 311 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 168.9 | 154.7 | 980.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 168.9 | 154.7 | 959.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 168.9 | 154.7 | 949.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -100.1 | -125.7 | -26.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -100.1 | -125.7 | -27.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -100.1 | -125.7 | -27.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 101.0 | -3.8 | 1322.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 107.4 | -3.8 | 1296.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 113.8 | -3.8 | 1268.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 28.4 | -0.6 | 365.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 29.9 | -0.6 | 358.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 31.4 | -0.6 | 350.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|-------|--------|--------|-----|
| 312 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 173.7 | 164.9 | 949.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 173.7 | 164.9 | 926.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 173.7 | 164.9 | 914.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -95.6 | -132.3 | -28.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -95.6 | -132.3 | -28.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -95.6 | -132.3 | -29.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 113.7 | -4.2 | 1268.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 120.0 | -4.2 | 1239.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 126.4 | -4.2 | 1208.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 31.8 | -0.7 | 350.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 33.3 | -0.7 | 342.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 34.8 | -0.7 | 333.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|-------|--------|--------|-----|
| 313 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 178.6 | 175.0 | 914.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 178.6 | 175.0 | 888.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 178.6 | 175.0 | 874.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -90.8 | -139.4 | -29.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -90.8 | -139.4 | -30.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -90.8 | -139.4 | -31.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 126.3 | -4.6 | 1208.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 132.7 | -4.6 | 1176.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 139.0 | -4.6 | 1142.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 35.2 | -0.8 | 333.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 36.7 | -0.8 | 324.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 38.2 | -0.8 | 315.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|-------|--------|--------|-----|
| 314 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 183.9 | 184.7 | 874.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 183.9 | 184.7 | 846.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 183.9 | 184.7 | 830.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -85.7 | -146.5 | -31.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -85.7 | -146.5 | -31.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -85.7 | -146.5 | -32.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 138.9 | -5.0 | 1142.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 145.3 | -5.0 | 1107.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 151.7 | -5.0 | 1069.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 38.6 | -0.9 | 315.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 40.1 | -0.9 | 305.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 41.6 | -0.9 | 295.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|-------|--------|--------|-----|
| 315 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 189.6 | 194.1 | 830.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 189.6 | 194.1 | 798.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 189.6 | 194.1 | 780.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -80.0 | -153.4 | -32.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -80.0 | -153.4 | -33.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -80.0 | -153.4 | -34.7 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 151.6 | -5.4 | 1069.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 157.9 | -5.4 | 1031.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 164.3 | -5.4 | 990.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 41.9 | -0.9 | 295.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 43.4 | -0.9 | 284.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 44.9 | -0.9 | 273.4 | 0.0 |

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|-----|--------------|------------|------------|--------------|-----|-----|-------|--------|-------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 316 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 195.7 | 202.9 | 781.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 195.7 | 202.9 | 746.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 195.7 | 202.9 | 726.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -73.9 | -159.9 | -34.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -73.9 | -159.9 | -35.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -73.9 | -159.9 | -36.7 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 164.2 | -5.8 | 990.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 170.6 | -5.8 | 949.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 176.9 | -5.8 | 905.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 45.2 | -1.0 | 273.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 46.7 | -1.0 | 261.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 48.2 | -1.0 | 249.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 317 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 202.5 | 211.0 | 726.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 202.5 | 211.0 | 688.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 202.5 | 211.0 | 666.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -67.5 | -165.9 | -36.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -67.5 | -165.9 | -37.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -67.5 | -165.9 | -38.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 176.8 | -6.1 | 905.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 183.2 | -6.1 | 860.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 189.6 | -6.1 | 814.1 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 48.5 | -1.1 | 249.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 50.0 | -1.1 | 237.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 51.5 | -1.1 | 224.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 318 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 210.1 | 218.3 | 666.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 210.1 | 218.3 | 623.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 210.1 | 218.3 | 599.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -60.4 | -171.3 | -38.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -60.4 | -171.3 | -40.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -60.4 | -171.3 | -41.2 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 189.4 | -6.4 | 814.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 195.8 | -6.4 | 765.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 202.2 | -6.4 | 716.2 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 51.7 | -1.1 | 224.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 53.2 | -1.1 | 211.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 54.7 | -1.1 | 198.2 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 319 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 218.8 | 224.6 | 599.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 218.8 | 224.6 | 552.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 218.8 | 224.6 | 524.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -52.8 | -175.8 | -41.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -52.8 | -175.8 | -42.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -52.8 | -175.8 | -43.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 202.1 | -6.7 | 716.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 208.4 | -6.7 | 664.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 214.8 | -6.7 | 612.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 54.9 | -1.2 | 198.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 56.4 | -1.2 | 184.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 57.9 | -1.2 | 169.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 320 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 229.2 | 229.5 | 525.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 229.2 | 229.5 | 472.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 229.2 | 229.5 | 441.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -42.9 | -179.3 | -43.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -42.9 | -179.3 | -45.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -42.9 | -179.3 | -46.8 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 214.7 | -7.0 | 612.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 221.1 | -7.0 | 557.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 227.4 | -7.0 | 501.5 | 0.0 | |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|-------|-----|
| | | | perm | I | 0.0 | 0.0 | 58.0 | -1.2 | 169.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 59.5 | -1.2 | 155.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 61.0 | -1.2 | 140.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 321 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 241.8 | 232.9 | 442.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 241.8 | 232.9 | 383.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 241.8 | 232.9 | 348.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -29.9 | -181.1 | -46.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -29.9 | -181.1 | -48.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -29.9 | -181.1 | -50.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 227.3 | -7.2 | 501.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 233.7 | -7.2 | 443.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 240.1 | -7.2 | 384.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 61.1 | -1.2 | 140.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 62.6 | -1.2 | 124.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 64.1 | -1.2 | 108.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 322 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 257.6 | 234.1 | 348.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 257.6 | 234.1 | 284.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 257.6 | 234.1 | 241.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.8 | -179.6 | -50.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.8 | -179.6 | -52.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.8 | -179.6 | -53.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 240.0 | -7.4 | 384.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 246.4 | -7.4 | 323.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 252.7 | -7.4 | 261.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 64.2 | -1.3 | 108.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 65.7 | -1.3 | 92.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 67.2 | -1.3 | 75.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 323 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 277.9 | 232.4 | 242.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 277.9 | 232.4 | 172.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 277.9 | 232.4 | 120.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -7.6 | -174.6 | -53.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.6 | -174.6 | -56.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.6 | -174.6 | -59.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 252.7 | -7.5 | 261.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 259.0 | -7.5 | 197.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 265.4 | -7.5 | 132.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 67.2 | -1.3 | 75.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 68.7 | -1.3 | 58.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 70.2 | -1.3 | 41.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 324 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 304.5 | 227.0 | 120.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 304.5 | 227.0 | 61.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 304.5 | 227.0 | 39.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -5.0 | -164.9 | -59.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.0 | -164.9 | -67.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.0 | -164.9 | -89.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 265.3 | -7.4 | 132.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 271.7 | -7.4 | 64.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 278.1 | -7.4 | -3.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 70.1 | -1.3 | 41.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 71.6 | -1.3 | 23.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.1 | -1.3 | 5.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 325 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 58.8 | 218.0 | 38.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 58.8 | 218.0 | 23.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 58.8 | 218.0 | 9.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -172.0 | -151.0 | -89.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -172.0 | -151.0 | -46.7 | 0.0 |

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|-----|--------------|------------|-----------------------|-----|-----|--------|--------|-------|------|-----|
| | | | J | 0.0 | 0.0 | -172.0 | -151.0 | -14.2 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -13.0 | -7.3 | -3.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -6.7 | -7.3 | -1.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.3 | -7.3 | -0.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 5.6 | -1.2 | 5.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 7.1 | -1.2 | 3.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 8.6 | -1.2 | 1.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 326 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 131.6 | 27.7 | 83.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 144.6 | 27.7 | 57.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 144.6 | 27.7 | 52.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -139.1 | -20.4 | -64.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -118.7 | -20.4 | -56.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -118.7 | -20.4 | -66.5 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -2.1 | -1.2 | -6.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -2.1 | -1.2 | -5.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -2.1 | -1.2 | -4.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 3.7 | 0.7 | 9.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 3.7 | 0.7 | 8.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 3.7 | 0.7 | 7.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: traverso cap | | | | | | | |
| 327 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 9.8 | 1.6 | 3.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 14.4 | 1.6 | 0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.4 | 1.6 | 3.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -112.2 | -1.2 | -4.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -10.0 | -1.2 | -0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -10.0 | -1.2 | -3.9 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -0.1 | -0.1 | -0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.1 | -0.1 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.0 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.0 | -0.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 328 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.1 | 1.6 | 3.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 17.1 | 1.6 | 1.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 17.1 | 1.6 | 3.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -107.4 | -1.2 | -2.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -9.0 | -1.2 | -0.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -9.0 | -1.2 | -4.0 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |
| 329 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.4 | 1.6 | 4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 19.7 | 1.6 | 2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 19.7 | 1.6 | 4.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -107.0 | -1.2 | -3.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -11.8 | -1.2 | -1.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -11.8 | -1.2 | -4.8 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | | |

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|------------|---|------------|------------------|-----|-----|-----|--------|------|------|-----|
| 330 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 14.3 | 1.6 | 6.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 22.3 | 1.6 | 2.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 22.3 | 1.6 | 5.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -107.1 | -1.2 | -4.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -14.2 | -1.2 | -1.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.2 | -1.2 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.0 | 0.0 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 331 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 16.5 | 1.6 | 7.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 24.4 | 1.6 | 3.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 24.4 | 1.6 | 6.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -107.5 | -1.2 | -4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.3 | -1.2 | -2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -16.3 | -1.2 | -6.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.0 | 0.0 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 332 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 18.0 | 1.6 | 8.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.6 | 4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.6 | 7.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -107.8 | -1.2 | -5.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.8 | -1.2 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.8 | -1.2 | -6.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.0 | 0.0 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.0 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.0 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 333 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.1 | 1.5 | 9.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.8 | 1.5 | 4.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.8 | 1.5 | 8.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -108.1 | -1.1 | -5.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.9 | -1.1 | -3.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.9 | -1.1 | -6.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | |
| 334 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.9 | 1.5 | 9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 27.6 | 1.5 | 5.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 27.6 | 1.5 | 9.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -108.4 | -1.1 | -6.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.8 | -1.1 | -3.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -19.8 | -1.1 | -6.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.1 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 335 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 20.5 | 1.4 | 10.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 28.1 | 1.4 | 6.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 28.1 | 1.4 | 9.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -108.6 | -1.1 | -6.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -20.5 | -1.1 | -4.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -20.5 | -1.1 | -6.4 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 336 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.0 | 1.4 | 11.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 28.6 | 1.4 | 6.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 28.6 | 1.4 | 10.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -108.9 | -1.0 | -6.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -21.1 | -1.0 | -4.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -21.1 | -1.0 | -6.3 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.6 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 337 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.4 | 1.3 | 11.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.0 | 1.3 | 7.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.0 | 1.3 | 10.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.1 | -1.0 | -7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -21.6 | -1.0 | -4.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -21.6 | -1.0 | -6.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.6 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 338 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.7 | 1.2 | 12.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.3 | 1.2 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.3 | 1.2 | 11.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.2 | -0.9 | -7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -22.0 | -0.9 | -5.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -22.0 | -0.9 | -6.6 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 339 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.0 | 1.2 | 12.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.5 | 1.2 | 8.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.5 | 1.2 | 11.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.4 | -0.9 | -7.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -22.4 | -0.9 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -22.4 | -0.9 | -6.8 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------|------------------|-----|-----|--------|------|------|-----|
| | | | perm | I | 0.0 | 0.0 | -0.1 | 0.0 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 340 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.2 | 1.1 | 13.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 29.8 | 1.1 | 8.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 29.8 | 1.1 | 11.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.5 | -0.8 | -7.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -22.7 | -0.8 | -5.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -22.7 | -0.8 | -6.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 341 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.4 | 1.0 | 13.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 29.9 | 1.0 | 9.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 29.9 | 1.0 | 12.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.6 | -0.8 | -8.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.0 | -0.8 | -6.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.0 | -0.8 | -7.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 342 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.5 | 0.9 | 13.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.1 | 0.9 | 9.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.1 | 0.9 | 12.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.7 | -0.7 | -8.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.2 | -0.7 | -6.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.2 | -0.7 | -7.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 343 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.6 | 0.9 | 13.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.2 | 0.9 | 9.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.2 | 0.9 | 12.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.8 | -0.7 | -8.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.4 | -0.7 | -6.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.4 | -0.7 | -7.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 344 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.7 | 0.8 | 14.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.3 | 0.8 | 9.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.3 | 0.8 | 12.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.9 | -0.6 | -8.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.5 | -0.6 | -6.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.5 | -0.6 | -7.3 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 345 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.8 | 0.7 | 14.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.4 | 0.7 | 9.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.4 | 0.7 | 12.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -110.0 | -0.6 | -8.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.6 | -0.6 | -6.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.6 | -0.6 | -7.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 346 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.6 | 14.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.4 | 0.6 | 10.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.4 | 0.6 | 12.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -110.0 | -0.5 | -8.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.7 | -0.5 | -6.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.7 | -0.5 | -7.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 347 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.5 | 14.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.5 | 0.5 | 10.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.5 | 0.5 | 12.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -110.0 | -0.5 | -8.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.8 | -0.5 | -6.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.8 | -0.5 | -7.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 348 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.5 | 14.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.5 | 0.5 | 10.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.5 | 0.5 | 12.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -110.1 | -0.4 | -8.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.8 | -0.4 | -6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -23.8 | -0.4 | -7.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 349 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.4 | 14.3 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------------|-----|-----|--------|------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 30.5 | 0.4 | 10.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 30.5 | 0.4 | 12.9 | 0.0 | |
| | | Min | I | 0.0 | 0.0 | -110.1 | -0.4 | -8.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -23.8 | -0.4 | -6.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -23.8 | -0.4 | -7.5 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.2 | 0.0 | -1.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.2 | 0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | | | | | | | |
| | | | Section: soletta | | | | | | | |
| 350 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.4 | 14.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.5 | 0.4 | 10.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.5 | 0.4 | 12.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -110.1 | -0.5 | -8.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -23.8 | -0.5 | -6.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -23.8 | -0.5 | -7.4 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -1.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | | | | | | | |
| | | | Section: soletta | | | | | | | |
| 351 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.5 | 14.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.5 | 0.5 | 10.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.5 | 0.5 | 12.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -110.0 | -0.5 | -8.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -23.8 | -0.5 | -6.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -23.8 | -0.5 | -7.4 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -1.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | | | | | | | |
| | | | Section: soletta | | | | | | | |
| 352 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.9 | 0.5 | 14.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.4 | 0.5 | 10.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.4 | 0.5 | 12.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -110.0 | -0.6 | -8.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -23.7 | -0.6 | -6.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -23.7 | -0.6 | -7.4 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -1.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | | | | | | | |
| | | | Section: soletta | | | | | | | |
| 353 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 22.8 | 0.6 | 14.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 30.4 | 0.6 | 9.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.4 | 0.6 | 12.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -110.0 | -0.7 | -8.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -23.6 | -0.7 | -6.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -23.6 | -0.7 | -7.3 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 354 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.7 | 0.6 | 14.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 30.3 | 0.6 | 9.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 30.3 | 0.6 | 12.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.9 | -0.8 | -8.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -23.5 | -0.8 | -6.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -23.5 | -0.8 | -7.3 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 355 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.6 | 0.7 | 13.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 30.2 | 0.7 | 9.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 30.2 | 0.7 | 12.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.8 | -0.9 | -8.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -23.4 | -0.9 | -6.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -23.4 | -0.9 | -7.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -1.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 356 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.5 | 0.7 | 13.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 30.1 | 0.7 | 9.3 | 0.0 |
| | | | J | 0.0 | 0.0 | 30.1 | 0.7 | 12.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.7 | -0.9 | -8.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -23.2 | -0.9 | -6.2 | 0.0 |
| | | | J | 0.0 | 0.0 | -23.2 | -0.9 | -7.1 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.8 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 357 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.4 | 0.8 | 13.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.9 | 0.8 | 9.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.9 | 0.8 | 12.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.6 | -1.0 | -8.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -23.0 | -1.0 | -6.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -23.0 | -1.0 | -7.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.8 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 358 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.2 | 0.8 | 13.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.8 | 0.8 | 8.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.8 | 0.8 | 11.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.5 | -1.1 | -7.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -22.7 | -1.1 | -5.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -22.7 | -1.1 | -6.9 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.0 | -0.9 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.0 | -0.8 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 359 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 22.0 | 0.9 | 12.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.5 | 0.9 | 8.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.5 | 0.9 | 11.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.4 | -1.2 | -7.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -22.4 | -1.2 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -22.4 | -1.2 | -6.8 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 360 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.7 | 0.9 | 12.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.3 | 0.9 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.3 | 0.9 | 11.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.2 | -1.2 | -7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -22.0 | -1.2 | -5.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -22.0 | -1.2 | -6.6 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.7 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 361 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.4 | 1.0 | 11.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 29.0 | 1.0 | 7.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 29.0 | 1.0 | 10.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.1 | -1.3 | -7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -21.6 | -1.3 | -4.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -21.6 | -1.3 | -6.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.6 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 362 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 21.0 | 1.0 | 11.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 28.6 | 1.0 | 6.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 28.6 | 1.0 | 10.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -108.9 | -1.4 | -6.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -21.1 | -1.4 | -4.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -21.1 | -1.4 | -6.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.6 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 363 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 20.5 | 1.1 | 10.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 28.1 | 1.1 | 6.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 28.1 | 1.1 | 9.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -108.6 | -1.4 | -6.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -20.5 | -1.4 | -4.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -20.5 | -1.4 | -6.4 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | PP | I | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 364 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.9 | 1.1 | 9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 27.6 | 1.1 | 5.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 27.6 | 1.1 | 9.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -108.4 | -1.5 | -6.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.8 | -1.5 | -3.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -19.8 | -1.5 | -6.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 365 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 19.1 | 1.1 | 9.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.8 | 1.1 | 4.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 26.8 | 1.1 | 8.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -108.1 | -1.5 | -5.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.9 | -1.5 | -3.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.9 | -1.5 | -6.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | -0.0 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.0 | -0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.0 | -0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 366 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 18.0 | 1.2 | 8.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 25.8 | 1.2 | 4.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.8 | 1.2 | 7.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -107.8 | -1.6 | -5.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.8 | -1.6 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.8 | -1.6 | -6.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.0 | -0.0 | -0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | -0.0 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 367 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 16.5 | 1.2 | 7.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 24.4 | 1.2 | 3.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 24.4 | 1.2 | 6.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -107.5 | -1.6 | -4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.3 | -1.6 | -2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -16.3 | -1.6 | -6.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.0 | -0.0 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | -0.0 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 368 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 14.3 | 1.2 | 6.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 22.3 | 1.2 | 2.7 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|--------|-------|-------|------|-----|
| | | | J | 0.0 | 0.0 | 22.3 | 1.2 | 5.8 | 0.0 | |
| | | Min | I | 0.0 | 0.0 | -107.1 | -1.6 | -4.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -14.2 | -1.6 | -1.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -14.2 | -1.6 | -5.5 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.0 | -0.0 | -0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.0 | -0.0 | -0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.0 | -0.0 | -0.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 369 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.4 | 1.2 | 4.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 19.7 | 1.2 | 2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 19.7 | 1.2 | 4.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -107.0 | -1.6 | -3.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -11.8 | -1.6 | -1.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -11.8 | -1.6 | -4.8 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 370 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.1 | 1.2 | 3.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 17.1 | 1.2 | 1.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 17.1 | 1.2 | 3.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -107.4 | -1.6 | -2.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -9.0 | -1.6 | -0.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -9.0 | -1.6 | -4.0 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | -0.0 | -0.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 371 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 9.8 | 1.2 | 3.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 14.4 | 1.2 | 0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.4 | 1.2 | 3.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -112.2 | -1.6 | -4.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -10.0 | -1.6 | -0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -10.0 | -1.6 | -3.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 0.1 | -0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.0 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | -0.0 | -0.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 372 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 131.6 | 20.4 | 83.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 144.6 | 20.4 | 57.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 144.6 | 20.4 | 52.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -139.1 | -27.7 | -64.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -118.7 | -27.7 | -56.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -118.7 | -27.7 | -66.5 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -2.1 | 1.2 | -6.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -2.1 | 1.2 | -5.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -2.1 | 1.2 | -4.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 3.7 | -0.7 | 9.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 3.7 | -0.7 | 8.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 3.7 | -0.7 | 7.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| | | | | | | | | | | | | | |
|--------------|-----|------------|-----------------------|-----|------------|--------------|--------|--------|-------|------|-------|-------|-----|
| Length = 2 | | Type: Beam | Section: traverso cap | | | | | | | | | | |
| 373 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 160.4 | 175.9 | 10.4 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 160.4 | 175.9 | 28.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 160.4 | 175.9 | 46.5 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -73.3 | -236.2 | -12.9 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -73.3 | -236.2 | -43.1 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -73.3 | -236.2 | -83.2 | 0.0 | | | |
| | | | pp | I | 0.0 | 0.0 | 4.5 | 14.0 | -0.6 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 10.9 | 14.0 | -2.5 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 17.2 | 14.0 | -6.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | -8.6 | -11.6 | 1.5 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -7.1 | -11.6 | 3.5 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -5.6 | -11.6 | 5.0 | 0.0 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 374 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 9.7 | 190.7 | 47.1 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 9.7 | 190.7 | 73.0 | 0.0 |
| | J | 0.0 | | | | 0.0 | 9.7 | 190.7 | 128.1 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | -295.8 | -248.2 | -83.4 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -295.8 | -248.2 | -64.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -295.8 | -248.2 | -57.9 | 0.0 | | | |
| pp | I | 0.0 | | | | 0.0 | -275.7 | 12.8 | -6.1 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -269.3 | 12.8 | 62.1 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -263.0 | 12.8 | 128.6 | 0.0 | | | |
| perm | I | 0.0 | | | | 0.0 | -73.3 | -12.5 | 5.1 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -71.8 | -12.5 | 23.3 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -70.3 | -12.5 | 41.0 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 375 | 1 | 1 c mobili | | | | Max | I | 0.0 | 0.0 | 12.6 | 197.7 | 128.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 12.6 | 197.7 | 178.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.6 | 197.7 | 247.1 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -273.1 | -253.7 | -57.9 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -273.1 | -253.7 | -56.1 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -273.1 | -253.7 | -54.3 | 0.0 | | | |
| | | | pp | I | 0.0 | 0.0 | -263.9 | 11.9 | 128.6 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -257.5 | 11.9 | 193.7 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -251.1 | 11.9 | 257.3 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | -70.7 | -12.9 | 41.1 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -69.2 | -12.9 | 58.6 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -67.7 | -12.9 | 75.7 | 0.0 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 376 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 20.3 | 199.7 | 246.8 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 20.3 | 199.7 | 290.9 | 0.0 |
| | J | 0.0 | | | | 0.0 | 20.3 | 199.7 | 354.3 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | -255.7 | -255.0 | -54.2 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -255.7 | -255.0 | -52.7 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -255.7 | -255.0 | -51.1 | 0.0 | | | |
| pp | I | 0.0 | | | | 0.0 | -251.8 | 11.2 | 257.3 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -245.4 | 11.2 | 319.4 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -239.0 | 11.2 | 380.0 | 0.0 | | | |
| perm | I | 0.0 | | | | 0.0 | -67.9 | -13.1 | 75.8 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -66.4 | -13.1 | 92.6 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -64.9 | -13.1 | 109.0 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 377 | 1 | 1 c mobili | | | | Max | I | 0.0 | 0.0 | 30.1 | 198.3 | 354.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 30.1 | 198.3 | 390.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 30.1 | 198.3 | 450.2 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -241.8 | -253.7 | -51.1 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -241.8 | -253.7 | -49.7 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -241.8 | -253.7 | -48.3 | 0.0 | | | |
| | | | pp | I | 0.0 | 0.0 | -239.4 | 10.6 | 380.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -233.1 | 10.6 | 439.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -226.7 | 10.6 | 496.5 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | -65.0 | -13.1 | 109.1 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -63.5 | -13.1 | 125.2 | 0.0 | | | |

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|-----|---|--------------|------------|--------------|-----|-------|--------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | -62.0 | -13.1 | 140.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 378 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 40.3 | 194.8 | 449.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 40.3 | 194.8 | 481.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 40.3 | 194.8 | 535.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -230.2 | -250.2 | -48.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -230.2 | -250.2 | -46.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -230.2 | -250.2 | -45.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -227.0 | 10.1 | 496.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -220.6 | 10.1 | 552.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -214.2 | 10.1 | 606.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -61.9 | -13.0 | 141.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -60.4 | -13.0 | 156.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -58.9 | -13.0 | 171.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 379 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 48.2 | 189.8 | 535.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 48.2 | 189.8 | 564.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 48.2 | 189.8 | 613.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -220.4 | -245.2 | -45.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -220.4 | -245.2 | -44.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -220.4 | -245.2 | -43.2 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -214.4 | 9.6 | 606.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -208.1 | 9.6 | 659.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -201.7 | 9.6 | 710.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -58.8 | -12.8 | 171.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -57.3 | -12.8 | 185.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -55.8 | -12.8 | 199.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 380 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 56.6 | 183.7 | 613.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 56.6 | 183.7 | 639.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 56.6 | 183.7 | 683.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -211.9 | -238.9 | -43.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -211.9 | -238.9 | -42.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -211.9 | -238.9 | -41.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -201.9 | 9.1 | 710.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -195.5 | 9.1 | 760.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -189.1 | 9.1 | 808.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -55.7 | -12.5 | 200.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -54.2 | -12.5 | 213.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -52.7 | -12.5 | 227.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 381 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 64.3 | 176.9 | 683.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 64.3 | 176.9 | 706.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 64.3 | 176.9 | 747.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -204.3 | -231.3 | -41.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -204.3 | -231.3 | -39.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -204.3 | -231.3 | -38.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -189.2 | 8.7 | 808.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -182.9 | 8.7 | 855.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -176.5 | 8.7 | 899.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -52.4 | -12.0 | 227.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -50.9 | -12.0 | 240.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -49.4 | -12.0 | 252.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 382 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 71.1 | 169.7 | 747.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 71.1 | 169.7 | 767.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 71.1 | 169.7 | 805.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -197.5 | -222.6 | -38.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -197.5 | -222.6 | -37.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -197.5 | -222.6 | -36.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -176.6 | 8.2 | 899.9 | 0.0 |

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|-----|--------------|------------|--------------|-----|-----|--------|--------|--------|--------|-----|
| | | | CNT | 0.0 | 0.0 | -170.2 | 8.2 | 943.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -163.9 | 8.2 | 985.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -49.1 | -11.6 | 252.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -47.6 | -11.6 | 264.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -46.1 | -11.6 | 276.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 383 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 77.1 | 162.3 | 804.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 77.1 | 162.3 | 822.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 77.1 | 162.3 | 857.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -191.2 | -213.8 | -36.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -191.2 | -213.8 | -35.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -191.2 | -213.8 | -35.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -163.9 | 7.7 | 985.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -157.6 | 7.7 | 1025.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -151.2 | 7.7 | 1063.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -45.8 | -11.0 | 276.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -44.3 | -11.0 | 287.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -42.8 | -11.0 | 298.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 384 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 82.4 | 154.8 | 856.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 82.4 | 154.8 | 872.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 82.4 | 154.8 | 903.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -185.4 | -204.4 | -35.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -185.4 | -204.4 | -34.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -185.4 | -204.4 | -33.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -151.3 | 7.2 | 1063.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -144.9 | 7.2 | 1100.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -138.6 | 7.2 | 1136.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -42.4 | -10.3 | 298.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -40.9 | -10.3 | 309.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -39.4 | -10.3 | 319.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 385 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 87.3 | 147.2 | 903.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 87.3 | 147.2 | 917.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 87.3 | 147.2 | 945.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -179.9 | -194.4 | -33.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -179.9 | -194.4 | -32.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -179.9 | -194.4 | -31.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -138.7 | 6.7 | 1136.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -132.3 | 6.7 | 1170.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -125.9 | 6.7 | 1202.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -38.9 | -9.6 | 319.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -37.4 | -9.6 | 328.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -35.9 | -9.6 | 338.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 386 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 92.1 | 139.4 | 945.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 92.1 | 139.4 | 957.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 92.1 | 139.4 | 983.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -174.7 | -183.8 | -31.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -174.7 | -183.8 | -31.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -174.7 | -183.8 | -30.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | -126.0 | 6.1 | 1202.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -119.7 | 6.1 | 1233.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -113.3 | 6.1 | 1262.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -35.5 | -8.9 | 338.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -34.0 | -8.9 | 346.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -32.5 | -8.9 | 355.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 387 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 96.7 | 131.9 | 982.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 96.7 | 131.9 | 993.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 96.7 | 131.9 | 1015.9 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|-----|
| | | | Min | I | 0.0 | 0.0 | -169.7 | -172.7 | -30.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -169.7 | -172.7 | -29.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -169.7 | -172.7 | -29.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -113.4 | 5.5 | 1262.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -107.0 | 5.5 | 1289.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -100.7 | 5.5 | 1315.7 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -32.0 | -8.1 | 355.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -30.5 | -8.1 | 363.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -29.0 | -8.1 | 370.4 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 388 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 101.1 | 124.7 | 1015.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 101.1 | 124.7 | 1025.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 101.1 | 124.7 | 1044.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -164.9 | -161.2 | -29.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -164.9 | -161.2 | -28.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -164.9 | -161.2 | -27.6 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -100.8 | 4.9 | 1315.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -94.4 | 4.9 | 1340.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -88.1 | 4.9 | 1362.9 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -28.4 | -7.2 | 370.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -26.9 | -7.2 | 377.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -25.4 | -7.2 | 384.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 389 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 105.4 | 117.5 | 1044.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 105.4 | 117.5 | 1052.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 105.4 | 117.5 | 1069.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -160.2 | -149.3 | -27.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -160.2 | -149.3 | -27.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -160.2 | -149.3 | -26.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -88.2 | 4.3 | 1362.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -81.8 | 4.3 | 1384.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -75.4 | 4.3 | 1403.8 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -24.9 | -6.3 | 384.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -23.4 | -6.3 | 390.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -21.9 | -6.3 | 395.7 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 390 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 109.6 | 110.4 | 1069.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 109.6 | 110.4 | 1075.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 109.6 | 110.4 | 1089.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -155.7 | -137.1 | -26.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -155.7 | -137.1 | -25.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -155.7 | -137.1 | -25.1 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -75.6 | 3.7 | 1403.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -69.2 | 3.7 | 1421.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -62.8 | 3.7 | 1438.4 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -21.3 | -5.4 | 395.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -19.8 | -5.4 | 400.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -18.3 | -5.4 | 405.6 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 391 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 113.7 | 103.6 | 1089.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 113.7 | 103.6 | 1094.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 113.7 | 103.6 | 1106.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -151.2 | -125.1 | -25.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -151.2 | -125.1 | -24.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -151.2 | -125.1 | -24.0 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -63.0 | 3.0 | 1438.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -56.6 | 3.0 | 1453.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -50.3 | 3.0 | 1466.7 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -17.7 | -4.4 | 405.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.2 | -4.4 | 409.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.7 | -4.4 | 413.8 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | | | | | |
|--------------|------|------------|--------------|------|------------|--------------|--------|--------|--------|--------|------|--------|-----|
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | | | |
| 392 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 117.8 | 96.9 | 1106.2 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 117.8 | 96.9 | 1109.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 117.8 | 96.9 | 1119.1 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -146.8 | -114.2 | -24.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -146.8 | -114.2 | -23.5 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -146.8 | -114.2 | -22.9 | 0.0 | | | |
| | | | | PP | I | 0.0 | 0.0 | -50.4 | 2.4 | 1466.7 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -44.0 | 2.4 | 1478.5 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -37.7 | 2.4 | 1488.7 | 0.0 | | |
| | | | | perm | I | 0.0 | 0.0 | -14.1 | -3.5 | 413.8 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -12.6 | -3.5 | 417.2 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -11.1 | -3.5 | 420.1 | 0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 393 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 121.8 | 90.5 | 1118.9 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 121.8 | 90.5 | 1120.1 | 0.0 |
| | J | 0.0 | | | | 0.0 | 121.8 | 90.5 | 1127.9 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | -142.5 | -104.7 | -22.9 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -142.5 | -104.7 | -22.4 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -142.5 | -104.7 | -21.8 | 0.0 | | | |
| | PP | I | | | | 0.0 | 0.0 | -37.8 | 1.7 | 1488.7 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -31.5 | 1.7 | 1497.3 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -25.1 | 1.7 | 1504.4 | 0.0 | | |
| | perm | I | | | | 0.0 | 0.0 | -10.5 | -2.5 | 420.2 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -9.0 | -2.5 | 422.6 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -7.5 | -2.5 | 424.7 | 0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 394 | 1 | 1 c mobili | | | | Max | I | 0.0 | 0.0 | 125.9 | 86.5 | 1127.8 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 125.9 | 86.5 | 1127.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 125.9 | 86.5 | 1132.7 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -138.3 | -95.6 | -21.8 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -138.3 | -95.6 | -21.3 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -138.3 | -95.6 | -20.8 | 0.0 | | | |
| | | | | PP | I | 0.0 | 0.0 | -25.2 | 1.0 | 1504.4 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -18.9 | 1.0 | 1509.9 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -12.5 | 1.0 | 1513.8 | 0.0 | | |
| | | | | perm | I | 0.0 | 0.0 | -6.9 | -1.5 | 424.7 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | -5.4 | -1.5 | 426.2 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | -3.9 | -1.5 | 427.4 | 0.0 | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| | | | 395 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 130.0 | 87.7 | 1132.7 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 130.0 | 87.7 | 1130.5 | 0.0 |
| | J | 0.0 | | | | 0.0 | 130.0 | 87.7 | 1133.7 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | -134.1 | -90.1 | -20.8 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | -134.1 | -90.1 | -20.3 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | -134.1 | -90.1 | -19.8 | 0.0 | | | |
| | PP | I | | | | 0.0 | 0.0 | -12.7 | 0.3 | 1513.8 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -6.3 | 0.3 | 1516.2 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.1 | 0.3 | 1517.0 | 0.0 | | |
| | perm | I | | | | 0.0 | 0.0 | -3.3 | -0.5 | 427.4 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | -1.8 | -0.5 | 428.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | -0.3 | -0.5 | 428.3 | 0.0 | | |
| | acc | I | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | | | | Section: cap | | | | | | | |
| 396 | 1 | 1 c mobili | | | | Max | I | 0.0 | 0.0 | 134.1 | 90.1 | 1133.7 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 134.1 | 90.1 | 1130.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 134.1 | 90.1 | 1132.7 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | -130.0 | -87.7 | -19.8 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | -130.0 | -87.7 | -20.3 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | -130.0 | -87.7 | -20.8 | 0.0 | | | |
| | | | | PP | I | 0.0 | 0.0 | -0.1 | -0.3 | 1517.0 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 6.3 | -0.3 | 1516.2 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 12.7 | -0.3 | 1513.8 | 0.0 | | |
| | | | | perm | I | 0.0 | 0.0 | 0.3 | 0.5 | 428.3 | 0.0 | | |
| | | | | | CNT | 0.0 | 0.0 | 1.8 | 0.5 | 428.0 | 0.0 | | |
| | | | | | J | 0.0 | 0.0 | 3.3 | 0.5 | 427.4 | 0.0 | | |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|--------|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 397 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 138.3 | 95.6 | 1132.7 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 138.3 | 95.6 | 1127.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 138.3 | 95.6 | 1127.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -125.9 | -86.5 | -20.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -125.9 | -86.5 | -21.3 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -125.9 | -86.5 | -21.8 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 12.5 | -1.0 | 1513.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 18.9 | -1.0 | 1509.9 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.2 | -1.0 | 1504.4 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 3.9 | 1.5 | 427.4 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.4 | 1.5 | 426.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.9 | 1.5 | 424.7 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 398 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 142.5 | 104.7 | 1127.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 142.5 | 104.7 | 1120.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 142.5 | 104.7 | 1118.9 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -121.8 | -90.5 | -21.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -121.8 | -90.5 | -22.4 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -121.8 | -90.5 | -22.9 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 25.1 | -1.7 | 1504.4 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 31.5 | -1.7 | 1497.3 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 37.8 | -1.7 | 1488.7 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 7.5 | 2.5 | 424.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 9.0 | 2.5 | 422.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 10.5 | 2.5 | 420.2 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 399 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 146.8 | 114.2 | 1119.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 146.8 | 114.2 | 1109.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 146.8 | 114.2 | 1106.2 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -117.8 | -96.9 | -22.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -117.8 | -96.9 | -23.5 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -117.8 | -96.9 | -24.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 37.7 | -2.4 | 1488.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 44.0 | -2.4 | 1478.5 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 50.4 | -2.4 | 1466.7 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 11.1 | 3.5 | 420.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.6 | 3.5 | 417.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.1 | 3.5 | 413.8 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 400 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 151.2 | 125.1 | 1106.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 151.2 | 125.1 | 1094.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 151.2 | 125.1 | 1089.5 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.7 | -103.6 | -24.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -113.7 | -103.6 | -24.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -113.7 | -103.6 | -25.1 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 50.3 | -3.0 | 1466.7 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 56.6 | -3.0 | 1453.3 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 63.0 | -3.0 | 1438.4 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 14.7 | 4.4 | 413.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 16.2 | 4.4 | 409.9 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 17.7 | 4.4 | 405.7 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 401 | 1 | 1 | c mobili | Max | I | 0.0 | 0.0 | 155.7 | 137.1 | 1089.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 155.7 | 137.1 | 1075.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 155.7 | 137.1 | 1069.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.6 | -110.4 | -25.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -109.6 | -110.4 | -25.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -109.6 | -110.4 | -26.3 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 62.8 | -3.7 | 1438.4 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 69.2 | -3.7 | 1421.9 | 0.0 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|-----|-------|--------|--------|--------|-----|
| | | | J | 0.0 | 0.0 | 75.6 | -3.7 | 1403.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 18.3 | 5.4 | 405.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 19.8 | 5.4 | 400.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 21.3 | 5.4 | 395.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 402 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 160.2 | 149.3 | 1069.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 160.2 | 149.3 | 1052.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 160.2 | 149.3 | 1044.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -105.4 | -117.5 | -26.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -105.4 | -117.5 | -27.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -105.4 | -117.5 | -27.6 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 75.4 | -4.3 | 1403.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 81.8 | -4.3 | 1384.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 88.2 | -4.3 | 1362.9 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 21.9 | 6.3 | 395.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 23.4 | 6.3 | 390.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 24.9 | 6.3 | 384.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 403 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 164.9 | 161.2 | 1044.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 164.9 | 161.2 | 1025.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 164.9 | 161.2 | 1015.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -101.1 | -124.7 | -27.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -101.1 | -124.7 | -28.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -101.1 | -124.7 | -29.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 88.1 | -4.9 | 1362.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 94.4 | -4.9 | 1340.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 100.8 | -4.9 | 1315.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 25.4 | 7.2 | 384.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 26.9 | 7.2 | 377.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 28.4 | 7.2 | 370.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 404 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 169.7 | 172.7 | 1015.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 169.7 | 172.7 | 993.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 169.7 | 172.7 | 982.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -96.7 | -131.9 | -29.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -96.7 | -131.9 | -29.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -96.7 | -131.9 | -30.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 100.7 | -5.5 | 1315.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 107.0 | -5.5 | 1289.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 113.4 | -5.5 | 1262.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 29.0 | 8.1 | 370.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 30.5 | 8.1 | 363.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 32.0 | 8.1 | 355.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 405 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 174.7 | 183.8 | 983.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 174.7 | 183.8 | 957.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 174.7 | 183.8 | 945.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -92.1 | -139.4 | -30.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -92.1 | -139.4 | -31.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -92.1 | -139.4 | -31.8 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 113.3 | -6.1 | 1262.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 119.7 | -6.1 | 1233.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 126.0 | -6.1 | 1202.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 32.5 | 8.9 | 355.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 34.0 | 8.9 | 346.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | 35.5 | 8.9 | 338.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 406 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 179.9 | 194.4 | 945.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 179.9 | 194.4 | 917.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 179.9 | 194.4 | 903.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -87.3 | -147.2 | -31.9 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|--------------|-----|-------|--------|--------|-------|-----|
| | | | CNT | 0.0 | 0.0 | -87.3 | -147.2 | -32.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -87.3 | -147.2 | -33.4 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 125.9 | -6.7 | 1202.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 132.3 | -6.7 | 1170.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 138.7 | -6.7 | 1136.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 35.9 | 9.6 | 338.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 37.4 | 9.6 | 328.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 38.9 | 9.6 | 319.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 407 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 185.4 | 204.4 | 903.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 185.4 | 204.4 | 872.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 185.4 | 204.4 | 856.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -82.4 | -154.8 | -33.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -82.4 | -154.8 | -34.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -82.4 | -154.8 | -35.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 138.6 | -7.2 | 1136.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 144.9 | -7.2 | 1100.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | 151.3 | -7.2 | 1063.8 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 39.4 | 10.3 | 319.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 40.9 | 10.3 | 309.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 42.4 | 10.3 | 298.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 408 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 191.2 | 213.8 | 857.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 191.2 | 213.8 | 822.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 191.2 | 213.8 | 804.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -77.1 | -162.3 | -35.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -77.1 | -162.3 | -35.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -77.1 | -162.3 | -36.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 151.2 | -7.7 | 1063.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 157.6 | -7.7 | 1025.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 163.9 | -7.7 | 985.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 42.8 | 11.0 | 298.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 44.3 | 11.0 | 287.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 45.8 | 11.0 | 276.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 409 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 197.5 | 222.6 | 805.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 197.5 | 222.6 | 767.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 197.5 | 222.6 | 747.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -71.1 | -169.7 | -36.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -71.1 | -169.7 | -37.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -71.1 | -169.7 | -38.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 163.9 | -8.2 | 985.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 170.2 | -8.2 | 943.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 176.6 | -8.2 | 899.9 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 46.1 | 11.6 | 276.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 47.6 | 11.6 | 264.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | 49.1 | 11.6 | 252.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 410 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 204.3 | 231.3 | 747.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 204.3 | 231.3 | 706.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 204.3 | 231.3 | 683.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -64.3 | -176.9 | -38.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -64.3 | -176.9 | -39.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -64.3 | -176.9 | -41.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 176.5 | -8.7 | 899.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 182.9 | -8.7 | 855.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 189.2 | -8.7 | 808.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 49.4 | 12.0 | 252.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 50.9 | 12.0 | 240.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 52.4 | 12.0 | 227.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|--------------|---|------------|--------------|-----|-----|-----|-------|--------|-------|-----|
| 411 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 211.9 | 238.9 | 683.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 211.9 | 238.9 | 639.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 211.9 | 238.9 | 613.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -56.6 | -183.7 | -41.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -56.6 | -183.7 | -42.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -56.6 | -183.7 | -43.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 189.1 | -9.1 | 808.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 195.5 | -9.1 | 760.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 201.9 | -9.1 | 710.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 52.7 | 12.5 | 227.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 54.2 | 12.5 | 213.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 55.7 | 12.5 | 200.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 412 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 220.4 | 245.2 | 613.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 220.4 | 245.2 | 564.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 220.4 | 245.2 | 535.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -48.2 | -189.8 | -43.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -48.2 | -189.8 | -44.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -48.2 | -189.8 | -45.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 201.7 | -9.6 | 710.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 208.1 | -9.6 | 659.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 214.4 | -9.6 | 606.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 55.8 | 12.8 | 199.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 57.3 | 12.8 | 185.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 58.8 | 12.8 | 171.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 413 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 230.2 | 250.2 | 535.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 230.2 | 250.2 | 481.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 230.2 | 250.2 | 449.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -40.3 | -194.8 | -45.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -40.3 | -194.8 | -46.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -40.3 | -194.8 | -48.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 214.2 | -10.1 | 606.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 220.6 | -10.1 | 552.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 227.0 | -10.1 | 496.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 58.9 | 13.0 | 171.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 60.4 | 13.0 | 156.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 61.9 | 13.0 | 141.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 414 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 241.8 | 253.7 | 450.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 241.8 | 253.7 | 390.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 241.8 | 253.7 | 354.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -30.1 | -198.3 | -48.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -30.1 | -198.3 | -49.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -30.1 | -198.3 | -51.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 226.7 | -10.6 | 496.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 233.1 | -10.6 | 439.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 239.4 | -10.6 | 380.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 62.0 | 13.1 | 140.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 63.5 | 13.1 | 125.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 65.0 | 13.1 | 109.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 415 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 255.7 | 255.0 | 354.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 255.7 | 255.0 | 290.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 255.7 | 255.0 | 246.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -20.3 | -199.7 | -51.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -20.3 | -199.7 | -52.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -20.3 | -199.7 | -54.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 239.0 | -11.2 | 380.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 245.4 | -11.2 | 319.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 251.8 | -11.2 | 257.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 64.9 | 13.1 | 109.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 66.4 | 13.1 | 92.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 67.9 | 13.1 | 75.8 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|--------------|------------|------------|------------------------|-----|-----|--------|--------|-------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 416 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 273.1 | 253.7 | 247.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 273.1 | 253.7 | 178.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 273.1 | 253.7 | 128.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -12.6 | -197.7 | -54.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -12.6 | -197.7 | -56.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -12.6 | -197.7 | -57.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 251.1 | -11.9 | 257.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 257.5 | -11.9 | 193.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 263.9 | -11.9 | 128.6 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 67.7 | 12.9 | 75.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 69.2 | 12.9 | 58.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 70.7 | 12.9 | 41.1 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 417 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 295.8 | 248.2 | 128.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 295.8 | 248.2 | 73.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 295.8 | 248.2 | 47.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -9.7 | -190.7 | -57.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -9.7 | -190.7 | -64.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -9.7 | -190.7 | -83.4 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 263.0 | -12.8 | 128.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 269.3 | -12.8 | 62.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 275.7 | -12.8 | -6.1 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 70.3 | 12.5 | 41.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 71.8 | 12.5 | 23.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 73.3 | 12.5 | 5.1 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 418 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 73.3 | 236.2 | 46.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 73.3 | 236.2 | 28.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 73.3 | 236.2 | 10.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -160.4 | -175.9 | -83.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -160.4 | -175.9 | -43.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -160.4 | -175.9 | -12.9 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -17.2 | -14.0 | -6.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -10.9 | -14.0 | -2.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -4.5 | -14.0 | -0.6 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 5.6 | 11.6 | 5.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 7.1 | 11.6 | 3.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 8.6 | 11.6 | 1.5 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
| 419 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 129.1 | 28.6 | 65.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 129.1 | 28.6 | 37.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 129.1 | 28.6 | 48.9 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -100.9 | -19.4 | -65.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -100.9 | -19.4 | -55.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -100.9 | -19.4 | -65.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -6.6 | -1.8 | -12.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -6.6 | -1.8 | -10.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -6.6 | -1.8 | -8.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 12.3 | 2.2 | 8.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 12.3 | 2.2 | 4.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 12.3 | 2.2 | 0.7 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2 | | Type: Beam | Section: trasverso cap | | | | | | | |
| 420 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.3 | 1.7 | 2.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 11.3 | 1.7 | 0.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 11.3 | 1.7 | 3.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -11.2 | -1.2 | -3.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -11.2 | -1.2 | -0.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -11.2 | -1.2 | -4.0 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 1.3 | -0.1 | 0.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 1.3 | -0.1 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.3 | -0.1 | -0.4 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|------------|------------|------------|-----|-----|-----|------------------|------|------|-----|
| | | | perm | I | 0.0 | 0.0 | 0.8 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.8 | 0.1 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | Section: soletta | | | |
| 421 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 5.6 | 1.7 | 1.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.6 | 1.7 | 0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 5.6 | 1.7 | 3.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -9.4 | -1.2 | -2.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.4 | -1.2 | -1.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -9.4 | -1.2 | -2.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.9 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | -0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.1 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | Section: soletta | | | |
| 422 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.1 | 1.7 | 1.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.1 | 1.7 | 1.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.1 | 1.7 | 3.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -8.5 | -1.2 | -2.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.5 | -1.2 | -2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -8.5 | -1.2 | -2.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.7 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | -0.1 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.2 | 0.1 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.2 | 0.1 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | Section: soletta | | | |
| 423 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 2.1 | 1.7 | 2.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 2.1 | 1.7 | 2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.1 | 1.7 | 4.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -9.0 | -1.2 | -3.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.0 | -1.2 | -2.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -9.0 | -1.2 | -2.3 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.5 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.5 | -0.1 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | Section: soletta | | | |
| 424 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.0 | 1.7 | 2.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.0 | 1.7 | 2.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.0 | 1.7 | 4.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -9.7 | -1.2 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.7 | -1.2 | -3.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -9.7 | -1.2 | -2.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | -0.1 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.1 | -0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.1 | 0.1 | -0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.1 | -0.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.1 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | | Type: Beam | | | | Section: soletta | | | |
| 425 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 3.8 | 1.7 | 3.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 3.8 | 1.7 | 3.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.8 | 1.7 | 5.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -10.3 | -1.1 | -4.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -10.3 | -1.1 | -3.6 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---|------------|--|-----|-----|-------|-------|------|------|
| | | | J | 0.0 | 0.0 | -10.3 | -1.1 | -3.2 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.4 | -0.1 | 0.1 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.1 | -0.1 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.1 | -0.4 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.1 | -0.4 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.1 | -0.3 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | |
| 426 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 4.6 | 1.6 | 3.7 |
| | | | | CNT | 0.0 | 0.0 | 4.6 | 1.6 | 4.0 |
| | | | | J | 0.0 | 0.0 | 4.6 | 1.6 | 5.8 |
| | | | Min | I | 0.0 | 0.0 | -11.3 | -1.1 | -5.4 |
| | | | | CNT | 0.0 | 0.0 | -11.3 | -1.1 | -4.0 |
| | | | | J | 0.0 | 0.0 | -11.3 | -1.1 | -3.6 |
| | | | PP | I | 0.0 | 0.0 | 0.3 | -0.1 | 0.1 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | -0.1 |
| | | | perm | I | 0.0 | 0.0 | -0.2 | 0.1 | -0.5 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.1 | -0.4 |
| | | | | J | 0.0 | 0.0 | -0.2 | 0.1 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | |
| 427 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 5.2 | 1.6 | 4.2 |
| | | | | CNT | 0.0 | 0.0 | 5.2 | 1.6 | 4.6 |
| | | | | J | 0.0 | 0.0 | 5.2 | 1.6 | 6.4 |
| | | | Min | I | 0.0 | 0.0 | -12.2 | -1.1 | -6.0 |
| | | | | CNT | 0.0 | 0.0 | -12.2 | -1.1 | -4.4 |
| | | | | J | 0.0 | 0.0 | -12.2 | -1.1 | -4.0 |
| | | | PP | I | 0.0 | 0.0 | 0.3 | -0.1 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | 0.1 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | -0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.3 | 0.1 | -0.6 |
| | | | | CNT | 0.0 | 0.0 | -0.3 | 0.1 | -0.5 |
| | | | | J | 0.0 | 0.0 | -0.3 | 0.1 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | |
| 428 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 5.7 | 1.5 | 4.7 |
| | | | | CNT | 0.0 | 0.0 | 5.7 | 1.5 | 5.1 |
| | | | | J | 0.0 | 0.0 | 5.7 | 1.5 | 6.9 |
| | | | Min | I | 0.0 | 0.0 | -13.0 | -1.0 | -6.6 |
| | | | | CNT | 0.0 | 0.0 | -13.0 | -1.0 | -4.8 |
| | | | | J | 0.0 | 0.0 | -13.0 | -1.0 | -4.4 |
| | | | PP | I | 0.0 | 0.0 | 0.3 | -0.1 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | 0.1 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | -0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.4 | 0.1 | -0.7 |
| | | | | CNT | 0.0 | 0.0 | -0.4 | 0.1 | -0.6 |
| | | | | J | 0.0 | 0.0 | -0.4 | 0.1 | -0.4 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | |
| 429 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 6.2 | 1.5 | 5.2 |
| | | | | CNT | 0.0 | 0.0 | 6.2 | 1.5 | 5.6 |
| | | | | J | 0.0 | 0.0 | 6.2 | 1.5 | 7.4 |
| | | | Min | I | 0.0 | 0.0 | -13.7 | -1.0 | -7.1 |
| | | | | CNT | 0.0 | 0.0 | -13.7 | -1.0 | -5.1 |
| | | | | J | 0.0 | 0.0 | -13.7 | -1.0 | -4.6 |
| | | | PP | I | 0.0 | 0.0 | 0.3 | -0.1 | 0.2 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | 0.1 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | -0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.5 | 0.1 | -0.7 |
| | | | | CNT | 0.0 | 0.0 | -0.5 | 0.1 | -0.6 |
| | | | | J | 0.0 | 0.0 | -0.5 | 0.1 | -0.5 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Length = 2 Type: Beam Section: soletta | | | | | | |

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| | | | | | | | | | | | |
|------------|---|------------|------------------|------|-----|-----|-----|-------|------|------|-----|
| 430 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 6.6 | 1.4 | 5.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 6.6 | 1.4 | 6.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 6.6 | 1.4 | 7.8 | 0.0 | |
| | | | | Min | I | 0.0 | 0.0 | -14.3 | -0.9 | -7.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -14.3 | -0.9 | -5.4 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -14.3 | -0.9 | -4.9 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.3 | -0.1 | 0.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -0.5 | 0.1 | -0.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.5 | 0.1 | -0.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.5 | 0.1 | -0.5 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 431 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 6.9 | 1.3 | 5.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 6.9 | 1.3 | 6.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 6.9 | 1.3 | 8.2 | 0.0 | |
| | | | | Min | I | 0.0 | 0.0 | -14.9 | -0.9 | -8.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -14.9 | -0.9 | -5.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -14.9 | -0.9 | -5.1 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.3 | -0.1 | 0.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.3 | -0.1 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.3 | -0.1 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -0.6 | 0.1 | -0.9 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.6 | 0.1 | -0.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.6 | 0.1 | -0.5 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 432 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.1 | 1.2 | 6.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 7.1 | 1.2 | 6.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 7.1 | 1.2 | 8.5 | 0.0 | |
| | | | | Min | I | 0.0 | 0.0 | -15.3 | -0.8 | -8.4 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -15.3 | -0.8 | -5.9 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -15.3 | -0.8 | -5.2 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.4 | -0.1 | 0.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.4 | -0.1 | 0.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.4 | -0.1 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -0.6 | 0.1 | -0.9 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.6 | 0.1 | -0.8 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.6 | 0.1 | -0.6 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 433 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.4 | 1.2 | 6.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 7.4 | 1.2 | 7.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 7.4 | 1.2 | 8.8 | 0.0 | |
| | | | | Min | I | 0.0 | 0.0 | -15.7 | -0.8 | -8.7 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -15.7 | -0.8 | -6.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -15.7 | -0.8 | -5.4 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -0.7 | 0.1 | -1.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.7 | 0.1 | -0.8 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.7 | 0.1 | -0.6 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2 | | Type: Beam | Section: soletta | | | | | | | | |
| 434 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.6 | 1.1 | 6.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 7.6 | 1.1 | 7.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 7.6 | 1.1 | 9.1 | 0.0 | |
| | | | | Min | I | 0.0 | 0.0 | -16.1 | -0.7 | -9.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -16.1 | -0.7 | -6.3 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -16.1 | -0.7 | -5.5 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | -0.7 | 0.1 | -1.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -0.7 | 0.1 | -0.8 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -0.7 | 0.1 | -0.6 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 435 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 7.7 | 1.0 | 7.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 7.7 | 1.0 | 7.5 | 0.0 |
| | | | J | 0.0 | 0.0 | 7.7 | 1.0 | 9.3 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -16.4 | -0.7 | -9.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -16.4 | -0.7 | -6.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -16.4 | -0.7 | -5.6 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | perm I | 0.0 | 0.0 | -0.7 | 0.1 | -1.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.7 | 0.1 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.7 | 0.1 | -0.6 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 436 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 7.9 | 0.9 | 7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 7.9 | 0.9 | 7.7 | 0.0 |
| | | | J | 0.0 | 0.0 | 7.9 | 0.9 | 9.5 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -16.6 | -0.6 | -9.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -16.6 | -0.6 | -6.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -16.6 | -0.6 | -5.6 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | perm I | 0.0 | 0.0 | -0.8 | 0.1 | -1.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.8 | 0.1 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.8 | 0.1 | -0.7 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 437 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 8.0 | 0.8 | 7.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 8.0 | 0.8 | 7.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 8.0 | 0.8 | 9.6 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -16.8 | -0.6 | -9.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -16.8 | -0.6 | -6.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -16.8 | -0.6 | -5.7 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | perm I | 0.0 | 0.0 | -0.8 | 0.0 | -1.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.8 | 0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 438 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 8.0 | 0.8 | 7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 8.0 | 0.8 | 7.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 8.0 | 0.8 | 9.8 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -17.0 | -0.5 | -9.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -17.0 | -0.5 | -6.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.0 | -0.5 | -5.8 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | perm I | 0.0 | 0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.8 | 0.0 | -0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 439 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 8.1 | 0.7 | 7.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 8.1 | 0.7 | 8.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 8.1 | 0.7 | 9.9 | 0.0 |
| | | | Min I | 0.0 | 0.0 | -17.1 | -0.5 | -9.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -17.1 | -0.5 | -6.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -17.1 | -0.5 | -5.9 | 0.0 |
| | | | PP I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------|------------------|-----|-----|-------|------|------|-----|
| | | | perm | I | 0.0 | 0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | 0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 440 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.2 | 0.6 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.2 | 0.6 | 8.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.2 | 0.6 | 9.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.2 | -0.5 | -9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.2 | -0.5 | -6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.2 | -0.5 | -5.9 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 441 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.2 | 0.6 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.2 | 0.6 | 8.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.2 | 0.6 | 9.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.2 | -0.5 | -9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.2 | -0.5 | -6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.2 | -0.5 | -6.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.4 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 442 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.2 | 0.5 | 7.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.2 | 0.5 | 8.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.2 | 0.5 | 9.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.2 | -0.5 | -9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.2 | -0.5 | -6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.2 | -0.5 | -6.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | 0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | 0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 443 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.2 | 0.5 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.2 | 0.5 | 8.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.2 | 0.5 | 9.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.2 | -0.6 | -9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.2 | -0.6 | -6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.2 | -0.6 | -6.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | -0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | -0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | | | | |
| | | | | Section: soletta | | | | | | |
| 444 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.2 | 0.5 | 7.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.2 | 0.5 | 8.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.2 | 0.5 | 9.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.2 | -0.6 | -9.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.2 | -0.6 | -6.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.2 | -0.6 | -5.9 | 0.0 |

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| | | | | | | | | | | |
|-----|---|------------|------|------------|-----|-----|------------------|------|------|-----|
| | | | pp | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | -0.0 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | -0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 445 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.1 | 0.5 | 7.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.1 | 0.5 | 8.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.1 | 0.5 | 9.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.1 | -0.7 | -9.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.1 | -0.7 | -6.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.1 | -0.7 | -5.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | -0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 446 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.0 | 0.5 | 7.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.0 | 0.5 | 7.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.0 | 0.5 | 9.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -17.0 | -0.8 | -9.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.0 | -0.8 | -6.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -17.0 | -0.8 | -5.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.0 | -1.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | -0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 447 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 8.0 | 0.6 | 7.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.0 | 0.6 | 7.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 8.0 | 0.6 | 9.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -16.8 | -0.8 | -9.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.8 | -0.8 | -6.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -16.8 | -0.8 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.0 | -1.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | -0.0 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | -0.0 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 448 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.9 | 0.6 | 7.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 7.9 | 0.6 | 7.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.9 | 0.6 | 9.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -16.6 | -0.9 | -9.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -16.6 | -0.9 | -6.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -16.6 | -0.9 | -5.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | -0.1 | -1.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.8 | -0.1 | -0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.8 | -0.1 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | | Type: Beam | | | Section: soletta | | | |
| 449 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.7 | 0.7 | 7.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|------------|------------|------------------|-----|-------|------|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 7.7 | 0.7 | 7.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.7 | 0.7 | 9.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -16.4 | -1.0 | -9.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -16.4 | -1.0 | -6.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -16.4 | -1.0 | -5.6 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.7 | -0.1 | -1.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.7 | -0.1 | -0.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.7 | -0.1 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 450 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.6 | 0.7 | 6.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 7.6 | 0.7 | 7.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.6 | 0.7 | 9.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -16.1 | -1.1 | -9.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -16.1 | -1.1 | -6.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -16.1 | -1.1 | -5.5 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.7 | -0.1 | -1.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.7 | -0.1 | -0.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.7 | -0.1 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 451 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.4 | 0.8 | 6.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 7.4 | 0.8 | 7.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.4 | 0.8 | 8.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -15.7 | -1.2 | -8.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -15.7 | -1.2 | -6.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -15.7 | -1.2 | -5.4 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.7 | -0.1 | -1.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.7 | -0.1 | -0.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.7 | -0.1 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 452 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 7.1 | 0.8 | 6.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 7.1 | 0.8 | 6.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.1 | 0.8 | 8.5 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -15.3 | -1.2 | -8.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -15.3 | -1.2 | -5.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -15.3 | -1.2 | -5.2 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.4 | 0.1 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.1 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.6 | -0.1 | -0.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.6 | -0.1 | -0.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.6 | -0.1 | -0.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 453 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 6.9 | 0.9 | 5.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.9 | 0.9 | 6.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.9 | 0.9 | 8.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -14.9 | -1.3 | -8.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -14.9 | -1.3 | -5.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -14.9 | -1.3 | -5.1 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.6 | -0.1 | -0.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.6 | -0.1 | -0.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.6 | -0.1 | -0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 454 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 6.6 | 0.9 | 5.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 6.6 | 0.9 | 6.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 6.6 | 0.9 | 7.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -14.3 | -1.4 | -7.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -14.3 | -1.4 | -5.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -14.3 | -1.4 | -4.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.5 | -0.1 | -0.8 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.5 | -0.1 | -0.7 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.5 | -0.1 | -0.5 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 455 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 6.2 | 1.0 | 5.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 6.2 | 1.0 | 5.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 6.2 | 1.0 | 7.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -13.7 | -1.5 | -7.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -13.7 | -1.5 | -5.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -13.7 | -1.5 | -4.6 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | -0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.5 | -0.1 | -0.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.5 | -0.1 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.5 | -0.1 | -0.5 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 456 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 5.7 | 1.0 | 4.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 5.7 | 1.0 | 5.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 5.7 | 1.0 | 6.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -13.0 | -1.5 | -6.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -13.0 | -1.5 | -4.8 | 0.0 |
| | | | J | 0.0 | 0.0 | -13.0 | -1.5 | -4.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | -0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.4 | -0.1 | -0.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.4 | -0.1 | -0.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.4 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 457 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 5.2 | 1.1 | 4.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 5.2 | 1.1 | 4.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 5.2 | 1.1 | 6.4 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -12.2 | -1.6 | -6.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -12.2 | -1.6 | -4.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -12.2 | -1.6 | -4.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | -0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.3 | -0.1 | -0.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.3 | -0.1 | -0.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.3 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 458 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 4.6 | 1.1 | 3.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 4.6 | 1.1 | 4.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 4.6 | 1.1 | 5.8 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -11.3 | -1.6 | -5.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -11.3 | -1.6 | -4.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -11.3 | -1.6 | -3.6 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.3 | 0.1 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.1 | -0.5 | 0.0 |

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| | | | | | | | | | |
|-----|------------|------------|------------------|-----|-----|-------|------|------|-----|
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.1 | -0.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.1 | -0.4 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 459 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.8 | 1.1 | 3.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.8 | 1.1 | 3.4 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.8 | 1.1 | 5.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -10.3 | -1.7 | -4.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -10.3 | -1.7 | -3.6 | 0.0 |
| | | | J | 0.0 | 0.0 | -10.3 | -1.7 | -3.2 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.4 | 0.1 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | 0.1 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.2 | -0.1 | -0.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | -0.1 | -0.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.2 | -0.1 | -0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 460 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.0 | 1.2 | 2.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.0 | 1.2 | 2.8 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.0 | 1.2 | 4.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -9.7 | -1.7 | -4.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.7 | -1.7 | -3.1 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.7 | -1.7 | -2.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.4 | 0.1 | 0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.4 | 0.1 | -0.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | 0.0 |
| | | | J | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 461 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 2.1 | 1.2 | 2.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 2.1 | 1.2 | 2.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 2.1 | 1.2 | 4.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -9.0 | -1.7 | -3.5 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.0 | -1.7 | -2.5 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.0 | -1.7 | -2.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.5 | 0.1 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.5 | 0.1 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.5 | 0.1 | -0.2 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 462 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 3.1 | 1.2 | 1.4 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 3.1 | 1.2 | 1.6 | 0.0 |
| | | | J | 0.0 | 0.0 | 3.1 | 1.2 | 3.6 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -8.5 | -1.7 | -2.7 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -8.5 | -1.7 | -2.0 | 0.0 |
| | | | J | 0.0 | 0.0 | -8.5 | -1.7 | -2.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.7 | 0.1 | 0.2 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.7 | 0.1 | -0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.7 | 0.1 | -0.2 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.2 | -0.1 | -0.1 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.2 | -0.1 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.2 | -0.1 | -0.2 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 463 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 5.6 | 1.2 | 1.3 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 5.6 | 1.2 | 0.9 | 0.0 |
| | | | J | 0.0 | 0.0 | 5.6 | 1.2 | 3.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -9.4 | -1.7 | -2.6 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -9.4 | -1.7 | -1.4 | 0.0 |
| | | | J | 0.0 | 0.0 | -9.4 | -1.7 | -2.6 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|-----------------------|-----|-----|--------|--------|-------|-----|
| | | | PP | I | 0.0 | 0.0 | 0.9 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.9 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.9 | 0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.4 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.1 | -0.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 464 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.3 | 1.2 | 2.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.3 | 1.2 | 0.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.3 | 1.2 | 3.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -11.2 | -1.7 | -3.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -11.2 | -1.7 | -0.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -11.2 | -1.7 | -4.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 1.3 | 0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.3 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.3 | 0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.8 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.8 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.8 | -0.1 | -0.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: soletta | | | | | | |
| 465 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 129.1 | 19.4 | 65.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 129.1 | 19.4 | 37.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 129.1 | 19.4 | 48.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -100.9 | -28.6 | -65.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -100.9 | -28.6 | -55.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -100.9 | -28.6 | -65.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -6.6 | 1.8 | -12.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.6 | 1.8 | -10.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.6 | 1.8 | -8.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 12.3 | -2.2 | 8.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.3 | -2.2 | 4.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.3 | -2.2 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2 | Type: Beam | Section: traverso cap | | | | | | |
| 466 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 159.6 | 142.7 | 19.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 159.6 | 142.7 | 33.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 159.6 | 142.7 | 49.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -66.2 | -234.4 | -28.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -66.2 | -234.4 | -45.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -66.2 | -234.4 | -81.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 36.1 | 17.3 | 1.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 42.5 | 17.3 | -8.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 48.8 | 17.3 | -19.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -2.2 | -22.3 | -2.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.7 | -22.3 | -1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.8 | -22.3 | -1.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 467 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 14.2 | 155.7 | 50.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 14.2 | 155.7 | 85.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.2 | 155.7 | 161.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -330.5 | -254.3 | -81.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -330.5 | -254.3 | -71.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -330.5 | -254.3 | -68.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -281.7 | 15.9 | -19.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -275.3 | 15.9 | 50.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -268.9 | 15.9 | 118.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -78.1 | -25.2 | -1.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -76.6 | -25.2 | 17.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -75.1 | -25.2 | 36.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 468 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 26.8 | 162.9 | 161.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 26.8 | 162.9 | 216.5 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|--------------|-----|-----|--------|--------|-------|-------|-----|
| | | | J | 0.0 | 0.0 | 26.8 | 162.9 | 293.5 | 0.0 | |
| | | Min | I | 0.0 | 0.0 | -309.1 | -265.3 | -68.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -309.1 | -265.3 | -66.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -309.1 | -265.3 | -65.2 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -267.9 | 15.0 | 118.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -261.5 | 15.0 | 184.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -255.1 | 15.0 | 248.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -75.8 | -26.9 | 36.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -74.3 | -26.9 | 55.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -72.8 | -26.9 | 73.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | | | | | | | |
| | | | Section: cap | | | | | | | |
| 469 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 37.5 | 165.9 | 293.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 37.5 | 165.9 | 336.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 37.5 | 165.9 | 409.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -294.3 | -270.8 | -65.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -294.3 | -270.8 | -63.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -294.3 | -270.8 | -62.0 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -254.3 | 14.4 | 248.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -247.9 | 14.4 | 311.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -241.5 | 14.4 | 372.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -73.1 | -27.7 | 73.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -71.6 | -27.7 | 91.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | -70.1 | -27.7 | 109.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | | | | | | | |
| | | | Section: cap | | | | | | | |
| 470 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 51.3 | 165.8 | 409.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 51.3 | 165.8 | 443.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 51.3 | 165.8 | 513.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -284.0 | -271.3 | -61.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -284.0 | -271.3 | -60.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -284.0 | -271.3 | -59.0 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -240.9 | 14.0 | 372.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -234.5 | 14.0 | 431.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -228.2 | 14.0 | 489.7 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -70.0 | -27.8 | 109.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -68.5 | -27.8 | 126.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -67.0 | -27.8 | 143.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | | | | | | | |
| | | | Section: cap | | | | | | | |
| 471 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 63.5 | 163.5 | 512.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 63.5 | 163.5 | 542.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 63.5 | 163.5 | 610.9 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -275.2 | -269.2 | -59.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -275.2 | -269.2 | -57.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -275.2 | -269.2 | -56.0 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -227.7 | 13.6 | 489.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -221.3 | 13.6 | 545.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -214.9 | 13.6 | 600.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -66.8 | -27.5 | 143.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -65.3 | -27.5 | 160.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -63.8 | -27.5 | 176.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | | | | | | | |
| | | | Section: cap | | | | | | | |
| 472 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 73.6 | 159.6 | 610.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 73.6 | 159.6 | 636.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.6 | 159.6 | 700.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -267.1 | -266.0 | -55.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -267.1 | -266.0 | -54.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -267.1 | -266.0 | -52.9 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | -214.6 | 13.2 | 600.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -208.2 | 13.2 | 653.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -201.8 | 13.2 | 704.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -63.3 | -26.8 | 176.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -61.8 | -26.8 | 192.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -60.3 | -26.8 | 207.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
|--------------|---|------------|--------------|-----|-----|-----|--------|--------|-------|-----|
| 473 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 82.1 | 154.4 | 700.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 82.1 | 154.4 | 724.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 82.1 | 154.4 | 783.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -259.3 | -261.4 | -52.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -259.3 | -261.4 | -51.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -259.3 | -261.4 | -49.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -201.6 | 12.7 | 704.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -195.2 | 12.7 | 753.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -188.9 | 12.7 | 801.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -59.7 | -25.9 | 207.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -58.2 | -25.9 | 222.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -56.7 | -25.9 | 236.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
|--------------|---|------------|--------------|-----|-----|-----|--------|--------|-------|-----|
| 474 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 89.4 | 148.4 | 783.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 89.4 | 148.4 | 805.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 89.4 | 148.4 | 859.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -251.7 | -255.5 | -49.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -251.7 | -255.5 | -48.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -251.7 | -255.5 | -47.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -188.7 | 12.2 | 801.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -182.4 | 12.2 | 848.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -176.0 | 12.2 | 892.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -56.0 | -24.7 | 236.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -54.5 | -24.7 | 250.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -53.0 | -24.7 | 263.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
|--------------|---|------------|--------------|-----|-----|-----|--------|--------|-------|-----|
| 475 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 95.9 | 141.8 | 859.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 95.9 | 141.8 | 879.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 95.9 | 141.8 | 929.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -244.3 | -248.6 | -47.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -244.3 | -248.6 | -45.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -244.3 | -248.6 | -44.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -175.9 | 11.7 | 892.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -169.6 | 11.7 | 935.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -163.2 | 11.7 | 977.5 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -52.2 | -23.4 | 263.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -50.7 | -23.4 | 276.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -49.2 | -23.4 | 289.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
|--------------|---|------------|--------------|-----|-----|-----|--------|--------|--------|-----|
| 476 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 101.9 | 134.7 | 929.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 101.9 | 134.7 | 947.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 101.9 | 134.7 | 993.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -237.1 | -241.5 | -44.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -237.1 | -241.5 | -43.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -237.1 | -241.5 | -42.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -163.2 | 11.1 | 977.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -156.8 | 11.1 | 1017.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -150.5 | 11.1 | 1055.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -48.5 | -21.9 | 289.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -47.0 | -21.9 | 301.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -45.5 | -21.9 | 312.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | |
|--------------|---|------------|--------------|-----|-----|-----|--------|--------|--------|-----|
| 477 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 107.5 | 127.3 | 993.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 107.5 | 127.3 | 1008.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 107.5 | 127.3 | 1051.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -230.1 | -233.9 | -42.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -230.1 | -233.9 | -40.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -230.1 | -233.9 | -39.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -150.5 | 10.4 | 1055.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -144.2 | 10.4 | 1092.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -137.8 | 10.4 | 1127.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -44.7 | -20.4 | 312.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -43.2 | -20.4 | 323.7 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-------|--------|--------|--------|-----|
| | | | J | 0.0 | 0.0 | -41.7 | -20.4 | 334.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 478 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 112.8 | 119.6 | 1050.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 112.8 | 119.6 | 1064.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 112.8 | 119.6 | 1102.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -223.3 | -225.1 | -39.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -223.3 | -225.1 | -38.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -223.3 | -225.1 | -37.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -137.9 | 9.6 | 1127.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -131.5 | 9.6 | 1161.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -125.2 | 9.6 | 1193.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -40.9 | -18.8 | 334.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -39.4 | -18.8 | 344.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -37.9 | -18.8 | 354.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 479 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 117.8 | 111.7 | 1102.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 117.8 | 111.7 | 1114.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 117.8 | 111.7 | 1148.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -216.7 | -215.2 | -37.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -216.7 | -215.2 | -36.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -216.7 | -215.2 | -35.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -125.3 | 8.9 | 1193.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -118.9 | 8.9 | 1223.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -112.6 | 8.9 | 1252.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -37.1 | -17.1 | 354.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -35.6 | -17.1 | 363.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -34.1 | -17.1 | 371.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 480 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 122.7 | 103.7 | 1148.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 122.7 | 103.7 | 1158.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 122.7 | 103.7 | 1189.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -210.4 | -204.4 | -35.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -210.4 | -204.4 | -34.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -210.4 | -204.4 | -33.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -112.7 | 8.0 | 1252.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -106.4 | 8.0 | 1280.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -100.0 | 8.0 | 1306.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -33.3 | -15.4 | 371.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -31.8 | -15.4 | 380.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -30.3 | -15.4 | 387.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 481 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 127.7 | 95.9 | 1189.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 127.7 | 95.9 | 1197.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 127.7 | 95.9 | 1224.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -204.3 | -193.6 | -33.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -204.3 | -193.6 | -32.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -204.3 | -193.6 | -32.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -100.2 | 7.2 | 1305.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -93.8 | 7.2 | 1330.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -87.5 | 7.2 | 1352.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -29.5 | -13.6 | 387.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -28.0 | -13.6 | 394.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -26.5 | -13.6 | 401.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 482 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 132.6 | 88.3 | 1224.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 132.6 | 88.3 | 1231.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 132.6 | 88.3 | 1254.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -198.5 | -182.4 | -32.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -198.5 | -182.4 | -31.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -198.5 | -182.4 | -30.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -87.7 | 6.3 | 1352.7 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-------|--------|--------|--------|-----|
| | | | CNT | 0.0 | 0.0 | -81.3 | 6.3 | 1373.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -74.9 | 6.3 | 1393.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -25.8 | -11.9 | 401.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -24.3 | -11.9 | 408.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -22.8 | -11.9 | 413.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 483 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 137.4 | 81.5 | 1254.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 137.4 | 81.5 | 1259.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 137.4 | 81.5 | 1279.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -192.8 | -171.5 | -30.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -192.8 | -171.5 | -29.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -192.8 | -171.5 | -28.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -75.1 | 5.3 | 1393.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -68.8 | 5.3 | 1411.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -62.4 | 5.3 | 1427.7 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -22.0 | -10.1 | 413.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -20.5 | -10.1 | 419.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -19.0 | -10.1 | 424.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 484 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 142.2 | 82.4 | 1279.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 142.2 | 82.4 | 1282.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 142.2 | 82.4 | 1299.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -187.2 | -160.7 | -28.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -187.2 | -160.7 | -28.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -187.2 | -160.7 | -27.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -62.6 | 4.4 | 1427.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -56.3 | 4.4 | 1442.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -49.9 | 4.4 | 1455.8 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -18.3 | -8.2 | 424.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -16.8 | -8.2 | 428.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -15.3 | -8.2 | 432.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 485 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 146.9 | 84.6 | 1299.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 146.9 | 84.6 | 1301.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 146.9 | 84.6 | 1314.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -181.8 | -150.2 | -27.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -181.8 | -150.2 | -26.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -181.8 | -150.2 | -26.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -50.1 | 3.4 | 1455.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -43.8 | 3.4 | 1467.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -37.4 | 3.4 | 1477.7 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -14.5 | -6.4 | 432.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -13.0 | -6.4 | 436.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -11.5 | -6.4 | 439.1 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 486 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 151.6 | 92.1 | 1314.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 151.6 | 92.1 | 1314.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 151.6 | 92.1 | 1324.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -176.5 | -139.8 | -26.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -176.5 | -139.8 | -25.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -176.5 | -139.8 | -24.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -37.6 | 2.5 | 1477.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -31.2 | 2.5 | 1486.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -24.9 | 2.5 | 1493.3 | 0.0 |
| | | perm | I | 0.0 | 0.0 | -10.8 | -4.6 | 439.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -9.3 | -4.6 | 441.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -7.8 | -4.6 | 443.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 487 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 156.3 | 99.9 | 1324.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 156.3 | 99.9 | 1323.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 156.3 | 99.9 | 1330.0 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|-----|
| | | | Min | I | 0.0 | 0.0 | -171.3 | -129.4 | -24.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -171.3 | -129.4 | -24.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -171.3 | -129.4 | -23.5 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -25.1 | 1.5 | 1493.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -18.7 | 1.5 | 1498.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -12.4 | 1.5 | 1502.6 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -7.1 | -2.8 | 443.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.6 | -2.8 | 445.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.1 | -2.8 | 446.6 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 488 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 161.2 | 109.3 | 1329.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 161.2 | 109.3 | 1326.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 161.2 | 109.3 | 1330.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -166.2 | -119.2 | -23.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -166.2 | -119.2 | -22.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -166.2 | -119.2 | -22.2 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -12.6 | 0.5 | 1502.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.2 | 0.5 | 1505.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.1 | 0.5 | 1505.7 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -3.4 | -0.9 | 446.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.9 | -0.9 | 447.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.4 | -0.9 | 447.5 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 489 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 166.2 | 119.2 | 1330.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 166.2 | 119.2 | 1326.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 166.2 | 119.2 | 1329.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -161.2 | -109.3 | -22.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -161.2 | -109.3 | -22.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -161.2 | -109.3 | -23.5 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | -0.1 | -0.5 | 1505.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.2 | -0.5 | 1505.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.6 | -0.5 | 1502.6 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.4 | 0.9 | 447.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | 0.9 | 447.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 3.4 | 0.9 | 446.6 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 490 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 171.3 | 129.4 | 1330.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 171.3 | 129.4 | 1323.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 171.3 | 129.4 | 1324.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -156.3 | -99.9 | -23.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -156.3 | -99.9 | -24.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -156.3 | -99.9 | -24.8 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 12.4 | -1.5 | 1502.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 18.7 | -1.5 | 1498.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 25.1 | -1.5 | 1493.2 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 4.1 | 2.8 | 446.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.6 | 2.8 | 445.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 7.1 | 2.8 | 443.8 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 491 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 176.5 | 139.8 | 1324.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 176.5 | 139.8 | 1314.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 176.5 | 139.8 | 1314.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -151.6 | -92.1 | -24.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -151.6 | -92.1 | -25.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -151.6 | -92.1 | -26.1 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 24.9 | -2.5 | 1493.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 31.2 | -2.5 | 1486.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 37.6 | -2.5 | 1477.6 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 7.8 | 4.6 | 443.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 9.3 | 4.6 | 441.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 10.8 | 4.6 | 439.1 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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|--------------|---|------------|--------------|------|-----|-----|--------|-------|--------|--------|-----|
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| 492 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 181.8 | 150.2 | 1314.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 181.8 | 150.2 | 1301.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 181.8 | 150.2 | 1299.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -146.9 | -84.6 | -26.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -146.9 | -84.6 | -26.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -146.9 | -84.6 | -27.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 37.4 | -3.4 | 1477.7 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 43.8 | -3.4 | 1467.5 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 50.1 | -3.4 | 1455.8 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 11.5 | 6.4 | 439.1 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 13.0 | 6.4 | 436.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 14.5 | 6.4 | 432.6 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| 493 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 187.2 | 160.7 | 1299.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 187.2 | 160.7 | 1282.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 187.2 | 160.7 | 1279.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -142.2 | -82.4 | -27.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -142.2 | -82.4 | -28.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -142.2 | -82.4 | -28.9 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 49.9 | -4.4 | 1455.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 56.3 | -4.4 | 1442.5 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 62.6 | -4.4 | 1427.7 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 15.3 | 8.2 | 432.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 16.8 | 8.2 | 428.6 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 18.3 | 8.2 | 424.2 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| 494 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 192.8 | 171.5 | 1279.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 192.8 | 171.5 | 1259.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 192.8 | 171.5 | 1254.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -137.4 | -81.5 | -28.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -137.4 | -81.5 | -29.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -137.4 | -81.5 | -30.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 62.4 | -5.3 | 1427.7 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 68.8 | -5.3 | 1411.3 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 75.1 | -5.3 | 1393.3 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 19.0 | 10.1 | 424.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 20.5 | 10.1 | 419.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 22.0 | 10.1 | 413.9 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| 495 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 198.5 | 182.4 | 1254.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 198.5 | 182.4 | 1231.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 198.5 | 182.4 | 1224.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -132.6 | -88.3 | -30.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -132.6 | -88.3 | -31.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -132.6 | -88.3 | -32.1 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 74.9 | -6.3 | 1393.4 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 81.3 | -6.3 | 1373.9 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 87.7 | -6.3 | 1352.7 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 22.8 | 11.9 | 413.9 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 24.3 | 11.9 | 408.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 25.8 | 11.9 | 401.8 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 0.5 | | Type: Beam | Section: cap | | | | | | | | |
| 496 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 204.3 | 193.6 | 1224.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 204.3 | 193.6 | 1197.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 204.3 | 193.6 | 1189.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -127.7 | -95.9 | -32.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -127.7 | -95.9 | -32.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -127.7 | -95.9 | -33.8 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 87.5 | -7.2 | 1352.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 93.8 | -7.2 | 1330.1 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 100.2 | -7.2 | 1305.9 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 26.5 | 13.6 | 401.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 28.0 | 13.6 | 394.9 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 29.5 | 13.6 | 387.7 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-----|--------|--------|--------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 497 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 210.4 | 204.4 | 1189.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 210.4 | 204.4 | 1158.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 210.4 | 204.4 | 1148.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -122.7 | -103.7 | -33.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -122.7 | -103.7 | -34.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -122.7 | -103.7 | -35.7 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 100.0 | -8.0 | 1306.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 106.4 | -8.0 | 1280.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 112.7 | -8.0 | 1252.8 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 30.3 | 15.4 | 387.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 31.8 | 15.4 | 380.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 33.3 | 15.4 | 371.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 498 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 216.7 | 215.2 | 1148.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 216.7 | 215.2 | 1114.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 216.7 | 215.2 | 1102.6 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -117.8 | -111.7 | -35.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -117.8 | -111.7 | -36.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -117.8 | -111.7 | -37.6 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 112.6 | -8.9 | 1252.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 118.9 | -8.9 | 1223.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 125.3 | -8.9 | 1193.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 34.1 | 17.1 | 371.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 35.6 | 17.1 | 363.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 37.1 | 17.1 | 354.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 499 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 223.3 | 225.1 | 1102.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 223.3 | 225.1 | 1064.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 223.3 | 225.1 | 1050.8 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -112.8 | -119.6 | -37.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -112.8 | -119.6 | -38.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -112.8 | -119.6 | -39.7 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 125.2 | -9.6 | 1193.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 131.5 | -9.6 | 1161.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 137.9 | -9.6 | 1127.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 37.9 | 18.8 | 354.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 39.4 | 18.8 | 344.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 40.9 | 18.8 | 334.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 500 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 230.1 | 233.9 | 1051.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 230.1 | 233.9 | 1008.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 230.1 | 233.9 | 993.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -107.5 | -127.3 | -39.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -107.5 | -127.3 | -40.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -107.5 | -127.3 | -42.0 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 137.8 | -10.4 | 1127.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 144.2 | -10.4 | 1092.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 150.5 | -10.4 | 1055.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 41.7 | 20.4 | 334.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 43.2 | 20.4 | 323.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 44.7 | 20.4 | 312.7 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | | |
| 501 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 237.1 | 241.5 | 993.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 237.1 | 241.5 | 947.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 237.1 | 241.5 | 929.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -101.9 | -134.7 | -42.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -101.9 | -134.7 | -43.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -101.9 | -134.7 | -44.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 150.5 | -11.1 | 1055.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 156.8 | -11.1 | 1017.4 | 0.0 | |

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|-----|---|--------------|------------|--------------|-----|-------|-------|--------|-------|-----|
| | | | J | 0.0 | 0.0 | 163.2 | -11.1 | 977.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 45.5 | 21.9 | 312.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 47.0 | 21.9 | 301.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 48.5 | 21.9 | 289.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 502 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 244.3 | 248.6 | 929.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 244.3 | 248.6 | 879.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 244.3 | 248.6 | 859.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -95.9 | -141.8 | -44.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -95.9 | -141.8 | -45.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -95.9 | -141.8 | -47.1 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 163.2 | -11.7 | 977.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 169.6 | -11.7 | 935.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 175.9 | -11.7 | 892.7 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 49.2 | 23.4 | 289.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 50.7 | 23.4 | 276.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 52.2 | 23.4 | 263.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 503 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 251.7 | 255.5 | 859.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 251.7 | 255.5 | 805.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 251.7 | 255.5 | 783.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -89.4 | -148.4 | -47.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -89.4 | -148.4 | -48.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -89.4 | -148.4 | -49.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 176.0 | -12.2 | 892.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 182.4 | -12.2 | 848.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 188.7 | -12.2 | 801.6 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 53.0 | 24.7 | 263.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 54.5 | 24.7 | 250.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 56.0 | 24.7 | 236.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 504 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 259.3 | 261.4 | 783.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 259.3 | 261.4 | 724.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 259.3 | 261.4 | 700.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -82.1 | -154.4 | -49.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -82.1 | -154.4 | -51.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -82.1 | -154.4 | -52.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 188.9 | -12.7 | 801.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 195.2 | -12.7 | 753.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 201.6 | -12.7 | 704.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 56.7 | 25.9 | 236.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 58.2 | 25.9 | 222.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 59.7 | 25.9 | 207.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 505 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 267.1 | 266.0 | 700.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 267.1 | 266.0 | 636.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 267.1 | 266.0 | 610.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -73.6 | -159.6 | -52.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -73.6 | -159.6 | -54.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -73.6 | -159.6 | -55.9 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 201.8 | -13.2 | 704.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 208.2 | -13.2 | 653.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 214.6 | -13.2 | 600.1 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 60.3 | 26.8 | 207.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 61.8 | 26.8 | 192.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | 63.3 | 26.8 | 176.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 506 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 275.2 | 269.2 | 610.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 275.2 | 269.2 | 542.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 275.2 | 269.2 | 512.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -63.5 | -163.5 | -56.0 | 0.0 |

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|-----|---|--------------|------------|--------------|-----|-------|--------|--------|-------|-----|
| | | | CNT | 0.0 | 0.0 | -63.5 | -163.5 | -57.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -63.5 | -163.5 | -59.0 | 0.0 | |
| | | pp | I | 0.0 | 0.0 | 214.9 | -13.6 | 600.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 221.3 | -13.6 | 545.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 227.7 | -13.6 | 489.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 63.8 | 27.5 | 176.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 65.3 | 27.5 | 160.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 66.8 | 27.5 | 143.9 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 507 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 284.0 | 271.3 | 513.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 284.0 | 271.3 | 443.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 284.0 | 271.3 | 409.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -51.3 | -165.8 | -59.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -51.3 | -165.8 | -60.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -51.3 | -165.8 | -61.9 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 228.2 | -14.0 | 489.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 234.5 | -14.0 | 431.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 240.9 | -14.0 | 372.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 67.0 | 27.8 | 143.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 68.5 | 27.8 | 126.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | 70.0 | 27.8 | 109.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 508 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 294.3 | 270.8 | 409.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 294.3 | 270.8 | 336.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 294.3 | 270.8 | 293.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -37.5 | -165.9 | -62.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -37.5 | -165.9 | -63.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -37.5 | -165.9 | -65.1 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 241.5 | -14.4 | 372.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 247.9 | -14.4 | 311.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | 254.3 | -14.4 | 248.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 70.1 | 27.7 | 109.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 71.6 | 27.7 | 91.8 | 0.0 | |
| | | | J | 0.0 | 0.0 | 73.1 | 27.7 | 73.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 509 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 309.1 | 265.3 | 293.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 309.1 | 265.3 | 216.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 309.1 | 265.3 | 161.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -26.8 | -162.9 | -65.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -26.8 | -162.9 | -66.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -26.8 | -162.9 | -68.4 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 255.1 | -15.0 | 248.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 261.5 | -15.0 | 184.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 267.9 | -15.0 | 118.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 72.8 | 26.9 | 73.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 74.3 | 26.9 | 55.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | 75.8 | 26.9 | 36.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |
| 510 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 330.5 | 254.3 | 161.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 330.5 | 254.3 | 85.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 330.5 | 254.3 | 50.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -14.2 | -155.7 | -68.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -14.2 | -155.7 | -71.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.2 | -155.7 | -81.7 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 268.9 | -15.9 | 118.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 275.3 | -15.9 | 50.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 281.7 | -15.9 | -19.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | 75.1 | 25.2 | 36.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 76.6 | 25.2 | 17.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | 78.1 | 25.2 | -1.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: cap | | | | | | |

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|-----|---|------------|------|-----|-----|-----|--------|--------|-------|-----|
| 511 | 1 | 1 c mobili | Max | I | 0.0 | 0.0 | 66.2 | 234.4 | 49.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 66.2 | 234.4 | 33.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 66.2 | 234.4 | 19.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -159.6 | -142.7 | -81.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -159.6 | -142.7 | -45.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -159.6 | -142.7 | -28.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -48.8 | -17.3 | -19.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -42.5 | -17.3 | -8.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -36.1 | -17.3 | 1.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -0.8 | 22.3 | -1.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 22.3 | -1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 2.2 | 22.3 | -2.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 0.5 Type: Beam Section: cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|------|-------|-----|
| 512 | 3 | 4 c mobili | Max | I | 0.0 | 0.0 | 122.7 | 0.1 | 38.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 123.3 | 0.1 | 21.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 123.3 | 0.1 | 6.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -121.8 | -0.0 | -32.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -73.3 | -0.0 | -22.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -73.3 | -0.0 | -14.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -15.4 | -0.0 | -1.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.5 | -0.0 | 0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.6 | -0.0 | 1.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 14.5 | 0.0 | 4.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 14.5 | 0.0 | 2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.5 | 0.0 | -0.1 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 1 Type: Beam Section: traverso cap

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|------|-------|-----|
| 513 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 14.7 | 1.8 | 6.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 17.5 | 1.8 | 0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 17.5 | 1.8 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.2 | -1.1 | -4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -7.5 | -1.1 | -1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -7.5 | -1.1 | -10.1 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.0 | -0.2 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | -0.2 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.0 | -0.2 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.9 | 0.2 | 0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | 0.2 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.9 | 0.2 | -1.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 2.2 Type: Beam Section: soletta

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|------|------|-----|
| 514 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 13.2 | 1.8 | 6.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 16.1 | 1.8 | 0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 16.1 | 1.8 | 3.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -109.4 | -1.1 | -2.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.7 | -1.1 | -1.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.7 | -1.1 | -9.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.1 | -0.2 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.2 | 0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.2 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 1.1 | 0.2 | 0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.1 | 0.2 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 1.1 | 0.2 | -0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Length = 2.2 Type: Beam Section: soletta

| | | | | | | | | | | |
|-----|---|------------|------|-----|-----|-----|--------|------|------|-----|
| 515 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 12.8 | 1.8 | 6.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 15.2 | 1.8 | 0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 15.2 | 1.8 | 2.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -108.7 | -1.1 | -2.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -2.9 | -1.1 | -1.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -2.9 | -1.1 | -8.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -0.1 | -0.2 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.2 | 0.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.5 | 0.2 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | 0.2 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.5 | 0.2 | -0.4 | 0.0 |

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|-----|--------------|------------|------------|------------------|-----|-----|--------|------|------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 516 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 12.1 | 1.7 | 5.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 14.3 | 1.7 | 0.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 14.3 | 1.7 | 1.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -108.6 | -1.1 | -2.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.7 | -1.1 | -1.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.7 | -1.1 | -8.1 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -0.1 | -0.2 | -0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.1 | -0.2 | 0.1 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.2 | -0.2 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 517 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.3 | 1.7 | 5.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 13.7 | 1.7 | 0.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 13.7 | 1.7 | 1.1 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -108.8 | -1.1 | -2.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.0 | -1.1 | -1.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.0 | -1.1 | -7.6 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -0.0 | -0.2 | -0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.0 | -0.2 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.0 | -0.2 | 0.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -0.3 | 0.2 | -0.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.3 | 0.2 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.3 | 0.2 | 0.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 518 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.6 | 1.6 | 5.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 13.0 | 1.6 | 0.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 13.0 | 1.6 | 1.3 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -109.4 | -1.0 | -2.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.4 | -1.0 | -1.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.4 | -1.0 | -7.0 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.2 | -0.0 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -0.6 | 0.2 | -0.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.6 | 0.2 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.6 | 0.2 | 0.2 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 519 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 1.6 | 5.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 12.3 | 1.6 | 1.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 12.3 | 1.6 | 1.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -110.0 | -1.0 | -3.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -2.3 | -1.0 | -1.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -2.3 | -1.0 | -6.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.1 | -0.2 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.1 | -0.2 | -0.1 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -0.8 | 0.2 | -0.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.8 | 0.2 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.8 | 0.2 | 0.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 520 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 1.5 | 6.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 12.0 | 1.5 | 1.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 12.0 | 1.5 | 2.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -110.6 | -0.9 | -3.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -3.1 | -0.9 | -1.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -3.1 | -0.9 | -6.1 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | 0.2 | -0.2 | 0.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.2 | -0.2 | -0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.2 | -0.2 | -0.1 | 0.0 | |

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| | | | | | | | | | | |
|-----|---|--------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | perm | I | 0.0 | 0.0 | -1.0 | 0.1 | -0.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.0 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.0 | 0.1 | 0.4 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 521 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 1.5 | 6.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.0 | 1.5 | 1.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.0 | 1.5 | 2.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.1 | -0.9 | -3.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -3.6 | -0.9 | -1.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -3.6 | -0.9 | -6.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.2 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.2 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.1 | 0.1 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.1 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.1 | 0.1 | 0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 522 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 1.4 | 6.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 1.4 | 1.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 1.4 | 3.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.5 | -0.9 | -3.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.1 | -0.9 | -1.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.1 | -0.9 | -5.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | -0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | -0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | -0.2 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.2 | 0.1 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.2 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.2 | 0.1 | 0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 523 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.4 | 1.3 | 6.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 1.3 | 1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 1.3 | 3.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.9 | -0.8 | -3.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.4 | -0.8 | -1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.4 | -0.8 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | -0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | -0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | -0.2 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.3 | 0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.3 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.3 | 0.1 | 0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 524 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.4 | 1.3 | 6.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 1.3 | 1.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 1.3 | 3.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.3 | -0.8 | -3.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.7 | -0.8 | -2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.7 | -0.8 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.5 | -0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | -0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.4 | 0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.4 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.4 | 0.1 | 0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 525 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 1.2 | 6.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 1.2 | 2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 1.2 | 3.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.7 | -0.7 | -3.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.9 | -0.7 | -2.1 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|------------------|-----|------|--------|------|------|-----|
| | | | J | 0.0 | 0.0 | -4.9 | -0.7 | -5.7 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.5 | -0.1 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.5 | -0.1 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.4 | 0.1 | -0.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.4 | 0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.4 | 0.1 | 0.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 526 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 1.1 | 6.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 1.1 | 2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 1.1 | 4.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.9 | -0.7 | -4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.1 | -0.7 | -2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.1 | -0.7 | -5.7 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.5 | -0.1 | 0.2 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.5 | -0.1 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.5 | -0.1 | -0.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.4 | 0.1 | -0.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.4 | 0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.4 | 0.1 | 0.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 527 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 1.1 | 6.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 1.1 | 2.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 1.1 | 4.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.1 | -0.6 | -4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.2 | -0.6 | -2.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.2 | -0.6 | -5.6 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.6 | -0.1 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.6 | -0.1 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.6 | -0.1 | -0.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.5 | 0.1 | -0.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.5 | 0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.5 | 0.1 | 0.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 528 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 1.0 | 6.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 1.0 | 2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 1.0 | 4.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.2 | -0.6 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.3 | -0.6 | -2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.3 | -0.6 | -5.6 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.6 | -0.1 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.6 | -0.1 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.6 | -0.1 | -0.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.5 | 0.1 | -0.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.5 | 0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.5 | 0.1 | 0.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 529 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.9 | 7.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.9 | 2.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.9 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.3 | -0.5 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.3 | -0.5 | -2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.3 | -0.5 | -5.6 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.6 | -0.1 | 0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.6 | -0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.6 | -0.1 | -0.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.5 | 0.1 | -0.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.5 | 0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.5 | 0.1 | 0.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |

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| | | | | | | | | | | |
|--------------|---|------------|------------------|-----|-----|-----|--------|------|------|-----|
| 530 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.9 | 7.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.9 | 2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.9 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.4 | -0.5 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.5 | -2.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.5 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.6 | -0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | -0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | 0.1 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | 0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 531 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.8 | 7.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.8 | 2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.8 | 4.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.5 | -0.5 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.5 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.5 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.7 | -0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | -0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | 0.0 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 532 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.7 | 7.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.7 | 2.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.7 | 4.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.5 | -0.5 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.5 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.5 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.7 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | -0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | -0.0 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | 0.0 | 0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 533 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.7 | 7.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.7 | 2.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.7 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.5 | -0.5 | -4.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.5 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.5 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.7 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | -0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | -0.0 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.6 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.6 | 0.0 | 0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 2.2 | | Type: Beam | Section: soletta | | | | | | | |
| 534 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.6 | 7.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.6 | 2.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.6 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.6 | -0.5 | -4.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.5 | -2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.5 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.7 | -0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | -0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.7 | -0.0 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.6 | 0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.6 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.6 | 0.0 | 0.8 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|------------------|-----|-----|-----|--------|------|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 535 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.6 | 7.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.6 | 2.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.6 | 4.3 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -113.6 | -0.6 | -4.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -5.3 | -0.6 | -2.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -5.3 | -0.6 | -5.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | -0.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -1.6 | 0.0 | -0.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.6 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.6 | 0.0 | 0.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 536 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.5 | 7.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.5 | 2.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.5 | 4.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -113.6 | -0.6 | -4.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.6 | -2.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.6 | -5.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | -0.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -1.6 | -0.0 | -0.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.6 | -0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.6 | -0.0 | 0.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 537 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.5 | 7.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.5 | 2.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.5 | 4.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -113.5 | -0.7 | -4.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.7 | -2.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.7 | -5.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | -0.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -1.6 | -0.0 | -0.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.6 | -0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.6 | -0.0 | 0.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 538 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.5 | 7.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.5 | 2.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.5 | 4.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -113.5 | -0.7 | -4.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.7 | -2.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.7 | -5.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.0 | -0.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -1.5 | -0.0 | -0.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.5 | -0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.5 | -0.0 | 0.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 539 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.5 | 7.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.5 | 2.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.5 | 4.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -113.5 | -0.8 | -4.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.8 | -2.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.8 | -5.5 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.7 | 0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.7 | 0.1 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.7 | 0.1 | -0.4 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | perm | I | 0.0 | 0.0 | -1.5 | -0.0 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | -0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | -0.0 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 540 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.5 | 7.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.5 | 2.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.5 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.4 | -0.9 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.4 | -0.9 | -2.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.4 | -0.9 | -5.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.6 | 0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | -0.1 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | -0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 541 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.5 | 7.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.5 | 2.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.5 | 4.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.3 | -0.9 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.3 | -0.9 | -2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.3 | -0.9 | -5.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.6 | 0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | -0.1 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | -0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 542 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.6 | 6.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.6 | 2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.6 | 4.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.2 | -1.0 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.3 | -1.0 | -2.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.3 | -1.0 | -5.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.6 | 0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.1 | -0.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | -0.1 | -0.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | -0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 543 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.6 | 6.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.6 | 2.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.6 | 4.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -113.1 | -1.1 | -4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.2 | -1.1 | -2.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.2 | -1.1 | -5.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.6 | 0.1 | 0.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.5 | -0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.5 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.5 | -0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 544 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.7 | 6.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.7 | 2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.7 | 4.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.9 | -1.1 | -4.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.1 | -1.1 | -2.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.1 | -1.1 | -5.7 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|------------------|-----|-----|--------|------|------|-----|
| | | | pp | I | 0.0 | 0.0 | 0.5 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.5 | 0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.4 | -0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.4 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.4 | -0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 545 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 0.7 | 6.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.7 | 2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.7 | 3.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.7 | -1.2 | -3.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.9 | -1.2 | -2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.9 | -1.2 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.5 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.5 | 0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.4 | -0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.4 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.4 | -0.1 | 0.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 546 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.4 | 0.8 | 6.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.8 | 0.8 | 1.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.8 | 0.8 | 3.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -112.3 | -1.3 | -3.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.7 | -1.3 | -2.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.7 | -1.3 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.5 | 0.1 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | 0.1 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.5 | 0.1 | -0.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.4 | -0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.4 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.4 | -0.1 | 0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 547 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.4 | 0.8 | 6.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.8 | 1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.8 | 3.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.9 | -1.3 | -3.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.4 | -1.3 | -1.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.4 | -1.3 | -5.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.4 | 0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.4 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.4 | 0.2 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.3 | -0.1 | -0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.3 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.3 | -0.1 | 0.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 548 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 0.9 | 6.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 11.9 | 0.9 | 1.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 11.9 | 0.9 | 3.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -111.5 | -1.4 | -3.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -4.1 | -1.4 | -1.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -4.1 | -1.4 | -5.8 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.3 | 0.2 | 0.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.2 | -0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.2 | -0.2 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -1.2 | -0.1 | -0.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.2 | -0.1 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -1.2 | -0.1 | 0.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 549 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 0.9 | 6.1 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|--------------|------------|------------------|-----|--------|------|------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 12.0 | 0.9 | 1.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.0 | 0.9 | 2.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -111.1 | -1.5 | -3.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -3.6 | -1.5 | -1.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -3.6 | -1.5 | -6.0 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.3 | 0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.3 | 0.2 | -0.2 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.1 | -0.1 | -0.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.1 | -0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.1 | -0.1 | 0.5 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 550 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 0.9 | 6.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.0 | 0.9 | 1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.0 | 0.9 | 2.2 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -110.6 | -1.5 | -3.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -3.1 | -1.5 | -1.4 | 0.0 | |
| | | | J | 0.0 | 0.0 | -3.1 | -1.5 | -6.1 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.2 | 0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.2 | 0.2 | -0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -1.0 | -0.1 | -0.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.0 | -0.1 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.0 | -0.1 | 0.4 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 551 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.5 | 1.0 | 5.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 12.3 | 1.0 | 1.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 12.3 | 1.0 | 1.7 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -110.0 | -1.6 | -3.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -2.3 | -1.6 | -1.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -2.3 | -1.6 | -6.5 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.1 | 0.2 | -0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.1 | 0.2 | -0.1 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.8 | -0.2 | -0.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.8 | -0.2 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.8 | -0.2 | 0.3 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 552 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 10.6 | 1.0 | 5.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 13.0 | 1.0 | 0.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 13.0 | 1.0 | 1.3 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -109.4 | -1.6 | -2.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.4 | -1.6 | -1.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.4 | -1.6 | -7.0 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.2 | -0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.6 | -0.2 | -0.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.6 | -0.2 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.6 | -0.2 | 0.2 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 2.2 | Type: Beam | Section: soletta | | | | | | |
| 553 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 11.3 | 1.1 | 5.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 13.7 | 1.1 | 0.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 13.7 | 1.1 | 1.1 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -108.8 | -1.7 | -2.4 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -1.0 | -1.7 | -1.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -1.0 | -1.7 | -7.6 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -0.0 | 0.2 | -0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.0 | 0.2 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.0 | 0.2 | 0.0 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.3 | -0.2 | -0.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -0.3 | -0.2 | -0.1 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.3 | -0.2 | 0.0 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|------------|------------------|------|-----|-----|--------|-------|-------|------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 554 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 12.1 | 1.1 | 5.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 14.3 | 1.1 | 0.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 14.3 | 1.1 | 1.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -108.6 | -1.7 | -2.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -1.7 | -1.7 | -1.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -1.7 | -1.7 | -8.1 | 0.0 | |
| | | | | | | | | | | | |
| | | | | PP | I | 0.0 | 0.0 | -0.1 | 0.2 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.2 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.2 | 0.1 | 0.0 | |
| | | | | | | | | | | | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | |
| | | | | | | | | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 555 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 12.8 | 1.1 | 6.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 15.2 | 1.1 | 0.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 15.2 | 1.1 | 2.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -108.7 | -1.8 | -2.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -2.9 | -1.8 | -1.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -2.9 | -1.8 | -8.6 | 0.0 | |
| | | | | | | | | | | | |
| | | | | PP | I | 0.0 | 0.0 | -0.1 | 0.2 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.2 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.2 | 0.1 | 0.0 | |
| | | | | | | | | | | | |
| | | | | perm | I | 0.0 | 0.0 | 0.5 | -0.2 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.5 | -0.2 | -0.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.5 | -0.2 | -0.4 | 0.0 | |
| | | | | | | | | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 556 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 13.2 | 1.1 | 6.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 16.1 | 1.1 | 0.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 16.1 | 1.1 | 3.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -109.4 | -1.8 | -2.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -4.7 | -1.8 | -1.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -4.7 | -1.8 | -9.3 | 0.0 | |
| | | | | | | | | | | | |
| | | | | PP | I | 0.0 | 0.0 | -0.1 | 0.2 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.2 | 0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.1 | 0.2 | 0.1 | 0.0 | |
| | | | | | | | | | | | |
| | | | | perm | I | 0.0 | 0.0 | 1.1 | -0.2 | 0.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.1 | -0.2 | -0.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.1 | -0.2 | -0.7 | 0.0 | |
| | | | | | | | | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 557 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 14.7 | 1.1 | 6.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 17.5 | 1.1 | 0.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 17.5 | 1.1 | 4.4 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -111.2 | -1.8 | -4.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -7.5 | -1.8 | -1.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -7.5 | -1.8 | -10.1 | 0.0 | |
| | | | | | | | | | | | |
| | | | | PP | I | 0.0 | 0.0 | -0.0 | 0.2 | 0.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.0 | 0.2 | 0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -0.0 | 0.2 | 0.1 | 0.0 | |
| | | | | | | | | | | | |
| | | | | perm | I | 0.0 | 0.0 | 1.9 | -0.2 | 0.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 1.9 | -0.2 | -0.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 1.9 | -0.2 | -1.2 | 0.0 | |
| | | | | | | | | | | | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 2.2 | Type: Beam | Section: soletta | | | | | | | | |
| 558 | 3 | 4 c mobili | Max | I | 0.0 | 0.0 | 122.7 | 0.0 | 38.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 123.3 | 0.0 | 21.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 123.3 | 0.0 | 6.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -121.8 | -0.1 | -32.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -73.3 | -0.1 | -22.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -73.3 | -0.1 | -14.8 | 0.0 | |
| | | | | | | | | | | | |
| | | | | PP | I | 0.0 | 0.0 | -15.4 | 0.0 | -1.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -9.5 | 0.0 | 0.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -3.6 | 0.0 | 1.9 | 0.0 | |
| | | | | | | | | | | | |
| | | | | perm | I | 0.0 | 0.0 | 14.5 | -0.0 | 4.2 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---------------|------------|------------|-----|-----|-----|------------------------|------|------|-----|
| | | | | CNT | 0.0 | 0.0 | 14.5 | -0.0 | 2.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.5 | -0.0 | -0.1 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1 | | Type: Beam | | | | Section: trasverso cap | | | |
| 559 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | | Type: Beam | | | | Section: trasverso cap | | | |
| 560 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | | Type: Beam | | | | Section: soletta | | | |
| 561 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | | Type: Beam | | | | Section: soletta | | | |
| 562 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.25 | | Type: Beam | | | | Section: soletta | | | |
| 563 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|------|-----|-----|
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 564 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 565 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 566 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 567 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 568 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|------|-----|
| | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 569 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 570 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 571 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 572 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | | | |
|---------------|-----|------------|---------------|------------------|------------|------------------|------------------|-----|------|-----|-----|-----|-----|
| Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | | | | |
| 573 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | | | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | |
| | | | 574 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | J | 0.0 | | | | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | | | |
| PP | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| perm | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 1.25 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 575 | 2 | 3 c mobili | | | | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | | | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | Length = 1.25 | | Type: Beam | | Section: soletta | | | | | | |
| | | | 576 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | J | 0.0 | | | | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | | | |
| Min | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | | | |
| PP | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| perm | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| acc | I | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Length = 1.25 | | Type: Beam | | | | Section: soletta | | | | | | | |
| 577 | 2 | 3 c mobili | | | | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | | | |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | | | |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 578 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 579 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 580 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 581 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 582 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|-----|------|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 583 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 584 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 585 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 586 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | pp | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 587 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|-----|------|-----|
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 588 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 589 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 590 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 591 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|---------------|---|------------|------------------|-----|-----|-----|-----|-----|------|-----|
| Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| 592 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| 593 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| 594 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| 595 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.25 | | Type: Beam | Section: soletta | | | | | | | |
| 596 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|-----|-----|------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 597 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 598 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 599 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 600 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | | | |
| 601 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | |
|-----|---|---------------|------------|-----------------------|-----|-------|--------|------|------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 602 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 603 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 604 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: soletta | | | | | |
| 605 | 2 | 4 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.25 | Type: Beam | Section: traverso cap | | | | | |
| 606 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 213.9 | 77.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 213.9 | 77.9 | 18.4 |
| | | | | J | 0.0 | 0.0 | 213.9 | 77.9 | 36.7 |
| | | Min | I | 0.0 | 0.0 | -73.3 | -145.8 | -0.1 | 0.0 |

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|-----|---|--------------|------------|---------------|-----|-----|--------|--------|--------|-----|
| | | | | CNT | 0.0 | 0.0 | -73.3 | -145.8 | -53.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -73.3 | -145.8 | -107.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 2.0 | 8.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 8.1 | 8.1 | -1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.3 | 8.1 | -4.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 14.5 | -17.5 | -0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 17.2 | -17.5 | -4.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 20.0 | -17.5 | -8.6 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 607 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 6.8 | 85.9 | 37.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.8 | 85.9 | 74.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.8 | 85.9 | 155.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -360.7 | -158.7 | -107.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -360.7 | -158.7 | -78.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -360.7 | -158.7 | -70.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -276.5 | 8.2 | -3.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -270.4 | 8.2 | 64.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -264.3 | 8.2 | 131.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -98.9 | -19.5 | -8.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -96.2 | -19.5 | 15.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -93.4 | -19.5 | 39.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 608 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 6.1 | 90.8 | 155.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 6.1 | 90.8 | 234.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 6.1 | 90.8 | 319.4 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -340.5 | -166.9 | -70.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -340.5 | -166.9 | -67.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -340.5 | -166.9 | -64.5 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -264.5 | 8.4 | 131.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -258.4 | 8.4 | 196.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -252.2 | 8.4 | 260.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -92.3 | -20.7 | 39.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -89.6 | -20.7 | 61.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -86.8 | -20.7 | 83.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 609 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 5.3 | 93.3 | 319.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 5.3 | 93.3 | 389.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 5.3 | 93.3 | 469.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -321.0 | -171.3 | -64.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -321.0 | -171.3 | -62.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -321.0 | -171.3 | -60.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -252.4 | 8.5 | 260.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -246.3 | 8.5 | 323.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -240.2 | 8.5 | 384.1 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -86.3 | -21.4 | 83.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -83.6 | -21.4 | 104.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -80.8 | -21.4 | 125.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 610 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 10.3 | 93.8 | 468.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 10.3 | 93.8 | 529.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 10.3 | 93.8 | 604.8 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -303.1 | -172.8 | -60.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -303.1 | -172.8 | -59.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -303.1 | -172.8 | -57.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -240.3 | 8.7 | 384.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -234.2 | 8.7 | 443.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -228.1 | 8.7 | 501.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -80.8 | -21.5 | 125.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -78.1 | -21.5 | 145.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -75.3 | -21.5 | 164.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |

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|-----|-----|-------------|------|-----|-----|-----|--------|--------|-------|-----|
| 611 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 22.7 | 92.9 | 604.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 22.7 | 92.9 | 655.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 22.7 | 92.9 | 727.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -287.1 | -172.0 | -57.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -287.1 | -172.0 | -56.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -287.1 | -172.0 | -54.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -228.1 | 8.7 | 501.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -222.0 | 8.7 | 557.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -215.9 | 8.7 | 612.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -75.7 | -21.3 | 164.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -72.9 | -21.3 | 182.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -70.2 | -21.3 | 200.6 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: scat

| | | | | | | | | | | |
|-----|-----|-------------|------|-----|-----|-----|--------|--------|-------|-----|
| 612 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 34.9 | 90.9 | 726.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 34.9 | 90.9 | 769.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 34.9 | 90.9 | 837.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -272.9 | -169.5 | -54.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -272.9 | -169.5 | -53.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -272.9 | -169.5 | -52.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -215.9 | 8.7 | 612.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -209.8 | 8.7 | 666.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -203.6 | 8.7 | 717.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -70.8 | -20.8 | 200.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -68.0 | -20.8 | 217.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -65.3 | -20.8 | 234.5 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: scat

| | | | | | | | | | | |
|-----|-----|-------------|------|-----|-----|-----|--------|--------|-------|-----|
| 613 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 45.8 | 88.2 | 836.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 45.8 | 88.2 | 873.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 45.8 | 88.2 | 936.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -260.3 | -165.8 | -52.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -260.3 | -165.8 | -51.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -260.3 | -165.8 | -50.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -203.5 | 8.6 | 717.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -197.4 | 8.6 | 768.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -191.3 | 8.6 | 816.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -66.1 | -20.1 | 234.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -63.4 | -20.1 | 250.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -60.6 | -20.1 | 266.0 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: scat

| | | | | | | | | | | |
|-----|-----|-------------|------|-----|-----|-----|--------|--------|--------|-----|
| 614 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 55.5 | 85.1 | 935.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 55.5 | 85.1 | 969.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 55.5 | 85.1 | 1026.1 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -249.0 | -162.8 | -50.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -249.0 | -162.8 | -49.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -249.0 | -162.8 | -48.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -191.1 | 8.4 | 816.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -185.0 | 8.4 | 863.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | -178.9 | 8.4 | 909.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -61.6 | -19.3 | 265.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -58.9 | -19.3 | 280.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -56.1 | -19.3 | 295.3 | 0.0 |
| acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |

Length = 0.5 Type: Beam Section: scat

| | | | | | | | | | | |
|-----|---|-------------|------|-----|-----|-----|--------|--------|--------|-----|
| 615 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 64.3 | 81.6 | 1025.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 64.3 | 81.6 | 1055.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 64.3 | 81.6 | 1106.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -238.9 | -159.4 | -48.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -238.9 | -159.4 | -47.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -238.9 | -159.4 | -46.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -178.6 | 8.1 | 909.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -172.5 | 8.1 | 953.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -166.4 | 8.1 | 995.7 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | -57.3 | -18.3 | 295.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -54.5 | -18.3 | 309.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -51.8 | -18.3 | 322.4 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|-----|--------------|-------------|------------|---------------|-----|-----|--------|--------|--------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 616 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 71.9 | 78.0 | 1106.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 71.9 | 78.0 | 1133.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 71.9 | 78.0 | 1179.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -229.6 | -154.9 | -46.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -229.6 | -154.9 | -45.7 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -229.6 | -154.9 | -44.8 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -166.1 | 7.7 | 995.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -160.0 | 7.7 | 1036.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -153.9 | 7.7 | 1075.9 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -53.0 | -17.2 | 322.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -50.2 | -17.2 | 335.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -47.5 | -17.2 | 347.4 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 617 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 78.7 | 74.3 | 1178.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 78.7 | 74.3 | 1203.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 78.7 | 74.3 | 1244.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -221.1 | -150.0 | -44.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -221.1 | -150.0 | -44.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -221.1 | -150.0 | -43.1 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -153.5 | 7.3 | 1076.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -147.4 | 7.3 | 1113.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -141.3 | 7.3 | 1149.7 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -48.8 | -16.0 | 347.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -46.0 | -16.0 | 359.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -43.3 | -16.0 | 370.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 618 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 84.8 | 70.7 | 1243.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 84.8 | 70.7 | 1266.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 84.8 | 70.7 | 1302.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -213.2 | -145.2 | -43.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -213.2 | -145.2 | -42.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -213.2 | -145.2 | -41.5 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -140.8 | 6.8 | 1149.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -134.7 | 6.8 | 1184.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -128.6 | 6.8 | 1217.2 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -44.7 | -14.7 | 370.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -41.9 | -14.7 | 381.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -39.2 | -14.7 | 391.1 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 619 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 90.8 | 67.1 | 1302.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 90.8 | 67.1 | 1321.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 90.8 | 67.1 | 1354.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -205.7 | -140.0 | -41.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -205.7 | -140.0 | -40.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -205.7 | -140.0 | -39.8 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -128.1 | 6.3 | 1217.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -122.0 | 6.3 | 1248.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -115.9 | 6.3 | 1278.3 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -40.6 | -13.4 | 391.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -37.8 | -13.4 | 400.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -35.1 | -13.4 | 409.9 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 620 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 97.1 | 63.6 | 1353.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 97.1 | 63.6 | 1371.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 97.1 | 63.6 | 1399.5 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -198.6 | -134.3 | -39.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -198.6 | -134.3 | -39.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -198.6 | -134.3 | -38.2 | 0.0 | |
| | | | pp | I | 0.0 | 0.0 | -115.3 | 5.8 | 1278.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -109.2 | 5.8 | 1306.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -103.1 | 5.8 | 1333.1 | 0.0 | |

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|-----|---|--------------|------------|---------------|-----|-----|--------|--------|--------|--------|-----|
| | | | perm | I | 0.0 | 0.0 | -36.5 | -12.1 | 409.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -33.8 | -12.1 | 418.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -31.0 | -12.1 | 426.7 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | | |
| 621 | 3 | 10 | c mobili | Max | I | 0.0 | 0.0 | 103.3 | 60.2 | 1399.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 103.3 | 60.2 | 1414.2 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 103.3 | 60.2 | 1438.8 | 0.0 |
| | | | | Min | I | 0.0 | 0.0 | -191.8 | -128.4 | -38.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -191.8 | -128.4 | -37.4 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -191.8 | -128.4 | -36.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -102.6 | 5.2 | 1333.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -96.5 | 5.2 | 1358.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -90.3 | 5.2 | 1381.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -32.5 | -10.8 | 426.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -29.7 | -10.8 | 434.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -27.0 | -10.8 | 441.5 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | | |
| 622 | 3 | 10 | c mobili | Max | I | 0.0 | 0.0 | 109.2 | 58.0 | 1438.3 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 109.2 | 58.0 | 1451.3 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 109.2 | 58.0 | 1472.2 | 0.0 |
| | | | | Min | I | 0.0 | 0.0 | -185.2 | -122.3 | -36.6 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -185.2 | -122.3 | -35.8 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -185.2 | -122.3 | -35.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -89.7 | 4.5 | 1381.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -83.6 | 4.5 | 1403.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -77.5 | 4.5 | 1423.3 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -28.5 | -9.4 | 441.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -25.7 | -9.4 | 448.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -23.0 | -9.4 | 454.3 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | | |
| 623 | 3 | 10 | c mobili | Max | I | 0.0 | 0.0 | 115.0 | 57.7 | 1471.8 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 115.0 | 57.7 | 1482.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 115.0 | 57.7 | 1500.0 | 0.0 |
| | | | | Min | I | 0.0 | 0.0 | -178.8 | -115.9 | -35.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -178.8 | -115.9 | -34.3 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -178.8 | -115.9 | -33.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -76.9 | 3.9 | 1423.4 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -70.8 | 3.9 | 1441.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -64.7 | 3.9 | 1458.8 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -24.5 | -8.0 | 454.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -21.7 | -8.0 | 460.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -19.0 | -8.0 | 465.1 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | | |
| 624 | 3 | 10 | c mobili | Max | I | 0.0 | 0.0 | 120.6 | 59.3 | 1499.7 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 120.6 | 59.3 | 1508.4 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 120.6 | 59.3 | 1522.4 | 0.0 |
| | | | | Min | I | 0.0 | 0.0 | -172.6 | -109.4 | -33.5 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -172.6 | -109.4 | -32.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | -172.6 | -109.4 | -32.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | -64.1 | 3.2 | 1458.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -58.0 | 3.2 | 1474.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -51.8 | 3.2 | 1487.8 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | -20.5 | -6.5 | 465.1 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -17.8 | -6.5 | 469.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -15.0 | -6.5 | 474.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | | |
| 625 | 3 | 10 | c mobili | Max | I | 0.0 | 0.0 | 126.0 | 61.6 | 1522.2 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | 126.0 | 61.6 | 1528.7 | 0.0 |
| | | | | | J | 0.0 | 0.0 | 126.0 | 61.6 | 1539.3 | 0.0 |
| | | | | Min | I | 0.0 | 0.0 | -166.5 | -102.7 | -32.0 | 0.0 |
| | | | | | CNT | 0.0 | 0.0 | -166.5 | -102.7 | -31.2 | 0.0 |

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|-----|---|--------------|------------|---------------|-----|--------|--------|--------|--------|-----|
| | | | J | 0.0 | 0.0 | -166.5 | -102.7 | -30.5 | 0.0 | |
| | | PP | I | 0.0 | 0.0 | -51.2 | 2.5 | 1487.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -45.1 | 2.5 | 1499.9 | 0.0 | |
| | | | J | 0.0 | 0.0 | -39.0 | 2.5 | 1510.4 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -16.6 | -5.1 | 473.9 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -13.8 | -5.1 | 477.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -11.1 | -5.1 | 480.8 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 626 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 131.6 | 66.8 | 1539.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 131.6 | 66.8 | 1543.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 131.6 | 66.8 | 1550.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -160.5 | -96.1 | -30.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -160.5 | -96.1 | -29.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -160.5 | -96.1 | -29.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | -38.3 | 1.8 | 1510.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -32.2 | 1.8 | 1519.3 | 0.0 | |
| | | | J | 0.0 | 0.0 | -26.1 | 1.8 | 1526.6 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -12.6 | -3.6 | 480.8 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -9.9 | -3.6 | 483.6 | 0.0 | |
| | | | J | 0.0 | 0.0 | -7.1 | -3.6 | 485.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 627 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 137.3 | 72.2 | 1550.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 137.3 | 72.2 | 1553.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 137.3 | 72.2 | 1557.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -154.6 | -89.8 | -29.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -154.6 | -89.8 | -28.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -154.6 | -89.8 | -27.6 | 0.0 |
| | | PP | I | 0.0 | 0.0 | -25.4 | 1.1 | 1526.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -19.3 | 1.1 | 1532.2 | 0.0 | |
| | | | J | 0.0 | 0.0 | -13.2 | 1.1 | 1536.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -8.7 | -2.2 | 485.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -5.9 | -2.2 | 487.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | -3.2 | -2.2 | 488.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 628 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 143.0 | 77.8 | 1557.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 143.0 | 77.8 | 1557.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 143.0 | 77.8 | 1558.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -148.7 | -83.7 | -27.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -148.7 | -83.7 | -26.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -148.7 | -83.7 | -26.2 | 0.0 |
| | | PP | I | 0.0 | 0.0 | -12.6 | 0.4 | 1536.3 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -6.4 | 0.4 | 1538.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | -0.3 | 0.4 | 1539.5 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -4.7 | -0.7 | 488.7 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | -2.0 | -0.7 | 489.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.8 | -0.7 | 489.6 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 629 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 148.7 | 83.7 | 1558.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 148.7 | 83.7 | 1557.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 148.7 | 83.7 | 1557.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -143.0 | -77.8 | -26.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -143.0 | -77.8 | -26.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | -143.0 | -77.8 | -27.6 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.3 | -0.4 | 1539.5 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 6.4 | -0.4 | 1538.7 | 0.0 | |
| | | | J | 0.0 | 0.0 | 12.6 | -0.4 | 1536.3 | 0.0 | |
| | | perm | I | 0.0 | 0.0 | -0.8 | 0.7 | 489.6 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 2.0 | 0.7 | 489.5 | 0.0 | |
| | | | J | 0.0 | 0.0 | 4.7 | 0.7 | 488.7 | 0.0 | |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

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|--------------|------|-------------|---------------|-----|--------|-------|--------|-------|--------|-----|
| 630 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 154.6 | 89.8 | 1557.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 154.6 | 89.8 | 1553.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 154.6 | 89.8 | 1550.7 | 0.0 |
| | Min | I | 0.0 | 0.0 | -137.3 | -72.2 | -27.6 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | -137.3 | -72.2 | -28.3 | 0.0 | | |
| | | J | 0.0 | 0.0 | -137.3 | -72.2 | -29.0 | 0.0 | | |
| | PP | I | 0.0 | 0.0 | 13.2 | -1.1 | 1536.3 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 19.3 | -1.1 | 1532.2 | 0.0 | | |
| | | J | 0.0 | 0.0 | 25.4 | -1.1 | 1526.6 | 0.0 | | |
| | perm | I | 0.0 | 0.0 | 3.2 | 2.2 | 488.7 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 5.9 | 2.2 | 487.5 | 0.0 | | |
| | | J | 0.0 | 0.0 | 8.7 | 2.2 | 485.7 | 0.0 | | |
| | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 631 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 160.5 | 96.1 | 1550.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 160.5 | 96.1 | 1543.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 160.5 | 96.1 | 1539.1 | 0.0 |
| | Min | I | 0.0 | 0.0 | -131.6 | -66.8 | -29.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | -131.6 | -66.8 | -29.7 | 0.0 | | |
| | | J | 0.0 | 0.0 | -131.6 | -66.8 | -30.5 | 0.0 | | |
| | PP | I | 0.0 | 0.0 | 26.1 | -1.8 | 1526.6 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 32.2 | -1.8 | 1519.3 | 0.0 | | |
| | | J | 0.0 | 0.0 | 38.3 | -1.8 | 1510.5 | 0.0 | | |
| | perm | I | 0.0 | 0.0 | 7.1 | 3.6 | 485.7 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 9.9 | 3.6 | 483.6 | 0.0 | | |
| | | J | 0.0 | 0.0 | 12.6 | 3.6 | 480.8 | 0.0 | | |
| | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 632 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 166.5 | 102.7 | 1539.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 166.5 | 102.7 | 1528.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 166.5 | 102.7 | 1522.2 | 0.0 |
| | Min | I | 0.0 | 0.0 | -126.0 | -61.6 | -30.5 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | -126.0 | -61.6 | -31.2 | 0.0 | | |
| | | J | 0.0 | 0.0 | -126.0 | -61.6 | -32.0 | 0.0 | | |
| | PP | I | 0.0 | 0.0 | 39.0 | -2.5 | 1510.4 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 45.1 | -2.5 | 1499.9 | 0.0 | | |
| | | J | 0.0 | 0.0 | 51.2 | -2.5 | 1487.9 | 0.0 | | |
| | perm | I | 0.0 | 0.0 | 11.1 | 5.1 | 480.8 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 13.8 | 5.1 | 477.7 | 0.0 | | |
| | | J | 0.0 | 0.0 | 16.6 | 5.1 | 473.9 | 0.0 | | |
| | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 633 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 172.6 | 109.4 | 1522.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 172.6 | 109.4 | 1508.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 172.6 | 109.4 | 1499.7 | 0.0 |
| | Min | I | 0.0 | 0.0 | -120.6 | -59.3 | -32.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | -120.6 | -59.3 | -32.7 | 0.0 | | |
| | | J | 0.0 | 0.0 | -120.6 | -59.3 | -33.5 | 0.0 | | |
| | PP | I | 0.0 | 0.0 | 51.8 | -3.2 | 1487.8 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 58.0 | -3.2 | 1474.1 | 0.0 | | |
| | | J | 0.0 | 0.0 | 64.1 | -3.2 | 1458.9 | 0.0 | | |
| | perm | I | 0.0 | 0.0 | 15.0 | 6.5 | 474.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 17.8 | 6.5 | 469.9 | 0.0 | | |
| | | J | 0.0 | 0.0 | 20.5 | 6.5 | 465.1 | 0.0 | | |
| | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Length = 0.5 | | Type: Beam | Section: scat | | | | | | | |
| 634 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 178.8 | 115.9 | 1500.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 178.8 | 115.9 | 1482.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 178.8 | 115.9 | 1471.8 | 0.0 |
| | Min | I | 0.0 | 0.0 | -115.0 | -57.7 | -33.5 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | -115.0 | -57.7 | -34.3 | 0.0 | | |
| | | J | 0.0 | 0.0 | -115.0 | -57.7 | -35.0 | 0.0 | | |
| | PP | I | 0.0 | 0.0 | 64.7 | -3.9 | 1458.8 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 70.8 | -3.9 | 1441.9 | 0.0 | | |
| | | J | 0.0 | 0.0 | 76.9 | -3.9 | 1423.4 | 0.0 | | |
| | perm | I | 0.0 | 0.0 | 19.0 | 8.0 | 465.1 | 0.0 | | |
| | | CNT | 0.0 | 0.0 | 21.7 | 8.0 | 460.0 | 0.0 | | |
| | | J | 0.0 | 0.0 | 24.5 | 8.0 | 454.2 | 0.0 | | |
| | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |

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|-----|--------------|-------------|---------------|-----|-----|-----|--------|-------|--------|--------|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 0.5 | Type: Beam | Section: scat | | | | | | | | |
| 635 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 185.2 | 122.3 | 1472.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 185.2 | 122.3 | 1451.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 185.2 | 122.3 | 1438.3 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -109.2 | -58.0 | -35.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -109.2 | -58.0 | -35.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -109.2 | -58.0 | -36.6 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 77.5 | -4.5 | 1423.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 83.6 | -4.5 | 1403.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 89.7 | -4.5 | 1381.5 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 23.0 | 9.4 | 454.3 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 25.7 | 9.4 | 448.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 28.5 | 9.4 | 441.4 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: scat | | | | | | | | |
| 636 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 191.8 | 128.4 | 1438.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 191.8 | 128.4 | 1414.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 191.8 | 128.4 | 1399.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -103.3 | -60.2 | -36.6 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -103.3 | -60.2 | -37.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -103.3 | -60.2 | -38.2 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 90.3 | -5.2 | 1381.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 96.5 | -5.2 | 1358.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 102.6 | -5.2 | 1333.2 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 27.0 | 10.8 | 441.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 29.7 | 10.8 | 434.4 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 32.5 | 10.8 | 426.6 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: scat | | | | | | | | |
| 637 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 198.6 | 134.3 | 1399.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 198.6 | 134.3 | 1371.2 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 198.6 | 134.3 | 1353.7 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -97.1 | -63.6 | -38.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -97.1 | -63.6 | -39.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -97.1 | -63.6 | -39.8 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 103.1 | -5.8 | 1333.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 109.2 | -5.8 | 1306.5 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 115.3 | -5.8 | 1278.4 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 31.0 | 12.1 | 426.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 33.8 | 12.1 | 418.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 36.5 | 12.1 | 409.8 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: scat | | | | | | | | |
| 638 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 205.7 | 140.0 | 1354.2 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 205.7 | 140.0 | 1321.9 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 205.7 | 140.0 | 1302.2 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -90.8 | -67.1 | -39.8 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -90.8 | -67.1 | -40.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -90.8 | -67.1 | -41.4 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 115.9 | -6.3 | 1278.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 122.0 | -6.3 | 1248.6 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 128.1 | -6.3 | 1217.3 | 0.0 | |
| | | | perm | I | 0.0 | 0.0 | 35.1 | 13.4 | 409.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 37.8 | 13.4 | 400.8 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 40.6 | 13.4 | 391.0 | 0.0 | |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Length = 0.5 | Type: Beam | Section: scat | | | | | | | | |
| 639 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 213.2 | 145.2 | 1302.7 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 213.2 | 145.2 | 1266.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 213.2 | 145.2 | 1243.9 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -84.8 | -70.7 | -41.5 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -84.8 | -70.7 | -42.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | -84.8 | -70.7 | -43.1 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 128.6 | -6.8 | 1217.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 134.7 | -6.8 | 1184.3 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 140.8 | -6.8 | 1149.8 | 0.0 | |

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|-----|---|--------------|------------|---------------|-----|-----|-------|-------|--------|-----|
| | | | perm | I | 0.0 | 0.0 | 39.2 | 14.7 | 391.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 41.9 | 14.7 | 381.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 44.7 | 14.7 | 370.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 640 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 221.1 | 150.0 | 1244.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 221.1 | 150.0 | 1203.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 221.1 | 150.0 | 1178.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -78.7 | -74.3 | -43.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -78.7 | -74.3 | -44.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -78.7 | -74.3 | -44.8 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 141.3 | -7.3 | 1149.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 147.4 | -7.3 | 1113.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 153.5 | -7.3 | 1076.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 43.3 | 16.0 | 370.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 46.0 | 16.0 | 359.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 48.8 | 16.0 | 347.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 641 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 229.6 | 154.9 | 1179.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 229.6 | 154.9 | 1133.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 229.6 | 154.9 | 1106.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -71.9 | -78.0 | -44.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -71.9 | -78.0 | -45.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | -71.9 | -78.0 | -46.6 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 153.9 | -7.7 | 1075.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 160.0 | -7.7 | 1036.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 166.1 | -7.7 | 995.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 47.5 | 17.2 | 347.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 50.2 | 17.2 | 335.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 53.0 | 17.2 | 322.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 642 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 238.9 | 159.4 | 1106.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 238.9 | 159.4 | 1055.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 238.9 | 159.4 | 1025.5 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -64.3 | -81.6 | -46.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -64.3 | -81.6 | -47.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -64.3 | -81.6 | -48.4 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 166.4 | -8.1 | 995.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 172.5 | -8.1 | 953.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 178.6 | -8.1 | 909.4 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 51.8 | 18.3 | 322.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 54.5 | 18.3 | 309.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 57.3 | 18.3 | 295.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 643 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 249.0 | 162.8 | 1026.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 249.0 | 162.8 | 969.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 249.0 | 162.8 | 935.9 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -55.5 | -85.1 | -48.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -55.5 | -85.1 | -49.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -55.5 | -85.1 | -50.3 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 178.9 | -8.4 | 909.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 185.0 | -8.4 | 863.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 191.1 | -8.4 | 816.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 56.1 | 19.3 | 295.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 58.9 | 19.3 | 280.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 61.6 | 19.3 | 265.9 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 644 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 260.3 | 165.8 | 936.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 260.3 | 165.8 | 873.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 260.3 | 165.8 | 836.6 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -45.8 | -88.2 | -50.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -45.8 | -88.2 | -51.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | -45.8 | -88.2 | -52.4 | 0.0 |

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| | | | | | | | | | | |
|-----|---|--------------|------------|---------------|-----|-----|-------|-------|-------|-----|
| | | | pp | I | 0.0 | 0.0 | 191.3 | -8.6 | 816.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 197.4 | -8.6 | 768.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 203.5 | -8.6 | 717.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 60.6 | 20.1 | 266.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 63.4 | 20.1 | 250.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 66.1 | 20.1 | 234.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 645 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 272.9 | 169.5 | 837.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 272.9 | 169.5 | 769.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 272.9 | 169.5 | 726.3 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -34.9 | -90.9 | -52.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -34.9 | -90.9 | -53.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | -34.9 | -90.9 | -54.7 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 203.6 | -8.7 | 717.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 209.8 | -8.7 | 666.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 215.9 | -8.7 | 612.8 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 65.3 | 20.8 | 234.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 68.0 | 20.8 | 217.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 70.8 | 20.8 | 200.5 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 646 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 287.1 | 172.0 | 727.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 287.1 | 172.0 | 655.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 287.1 | 172.0 | 604.2 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -22.7 | -92.9 | -54.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -22.7 | -92.9 | -56.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | -22.7 | -92.9 | -57.4 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 215.9 | -8.7 | 612.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 222.0 | -8.7 | 557.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 228.1 | -8.7 | 501.6 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 70.2 | 21.3 | 200.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 72.9 | 21.3 | 182.7 | 0.0 |
| | | | | J | 0.0 | 0.0 | 75.7 | 21.3 | 164.2 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 647 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 303.1 | 172.8 | 604.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 303.1 | 172.8 | 529.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 303.1 | 172.8 | 468.7 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -10.3 | -93.8 | -57.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -10.3 | -93.8 | -59.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -10.3 | -93.8 | -60.6 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 228.1 | -8.7 | 501.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 234.2 | -8.7 | 443.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 240.3 | -8.7 | 384.3 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 75.3 | 21.5 | 164.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 78.1 | 21.5 | 145.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | 80.8 | 21.5 | 125.3 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 648 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 321.0 | 171.3 | 469.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 321.0 | 171.3 | 389.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 321.0 | 171.3 | 319.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -5.3 | -93.3 | -60.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -5.3 | -93.3 | -62.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -5.3 | -93.3 | -64.5 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 240.2 | -8.5 | 384.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 246.3 | -8.5 | 323.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | 252.4 | -8.5 | 260.9 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 80.8 | 21.4 | 125.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 83.6 | 21.4 | 104.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 86.3 | 21.4 | 83.7 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 649 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 340.5 | 166.9 | 319.4 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|---------------|------------|--------------------|-----|-----|--------|-------|--------|-----|
| | | | | CNT | 0.0 | 0.0 | 340.5 | 166.9 | 234.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 340.5 | 166.9 | 155.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -6.1 | -90.8 | -64.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.1 | -90.8 | -67.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.1 | -90.8 | -70.1 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 252.2 | -8.4 | 260.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 258.4 | -8.4 | 196.9 | 0.0 |
| | | | | J | 0.0 | 0.0 | 264.5 | -8.4 | 131.6 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 86.8 | 20.7 | 83.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 89.6 | 20.7 | 61.8 | 0.0 |
| | | | | J | 0.0 | 0.0 | 92.3 | 20.7 | 39.1 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 650 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 360.7 | 158.7 | 155.2 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 360.7 | 158.7 | 74.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 360.7 | 158.7 | 37.7 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -6.8 | -85.9 | -70.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -6.8 | -85.9 | -78.2 | 0.0 |
| | | | | J | 0.0 | 0.0 | -6.8 | -85.9 | -107.6 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 264.3 | -8.2 | 131.4 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 270.4 | -8.2 | 64.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 276.5 | -8.2 | -3.9 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 93.4 | 19.5 | 39.3 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 96.2 | 19.5 | 15.6 | 0.0 |
| | | | | J | 0.0 | 0.0 | 98.9 | 19.5 | -8.8 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 651 | 3 | 10 c mobili | Max | I | 0.0 | 0.0 | 73.3 | 145.8 | 36.7 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 73.3 | 145.8 | 18.4 | 0.0 |
| | | | | J | 0.0 | 0.0 | 73.3 | 145.8 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -213.9 | -77.9 | -107.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -213.9 | -77.9 | -53.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | -213.9 | -77.9 | -0.1 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | -14.3 | -8.1 | -4.1 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -8.1 | -8.1 | -1.3 | 0.0 |
| | | | | J | 0.0 | 0.0 | -2.0 | -8.1 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | -20.0 | 17.5 | -8.6 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -17.2 | 17.5 | -4.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -14.5 | 17.5 | -0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 0.5 | Type: Beam | Section: scat | | | | | | |
| 652 | 3 | 6 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -114.1 | 0.0 | -11.5 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | -2.6 | 0.0 | -1.8 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.3 | 0.0 | -0.5 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: trasverso | | | | | | |
| 653 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|---------------|------------|------------------|-----|-----|--------|-----|-------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 654 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 655 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 656 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 657 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 658 | 2 | 3 c mobili | Max I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|--------|-----|-------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 659 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 660 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 661 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 662 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 663 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|--------|-----|-------|-----|-----|
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 664 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 665 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 666 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 667 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 668 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|--------|-----|-------|-----|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 669 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 670 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 671 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 672 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| Length = 1.85 | | Type: Beam | Section: soletta | | | | | | | | |
|---------------|---|------------|------------------|------|-----|-----|--------|-----|-------|-----|-----|
| 673 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 1.85 | | Type: Beam | Section: soletta | | | | | | | | |
|---------------|---|------------|------------------|------|-----|-----|--------|-----|-------|-----|-----|
| 674 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 1.85 | | Type: Beam | Section: soletta | | | | | | | | |
|---------------|---|------------|------------------|------|-----|-----|--------|-----|-------|-----|-----|
| 675 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 1.85 | | Type: Beam | Section: soletta | | | | | | | | |
|---------------|---|------------|------------------|------|-----|-----|--------|-----|-------|-----|-----|
| 676 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| Length = 1.85 | | Type: Beam | Section: soletta | | | | | | | | |
|---------------|---|------------|------------------|------|-----|-----|--------|-----|-------|-----|-----|
| 677 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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| | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|--------|-----|-------|
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 678 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 679 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 680 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 681 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | |
| 682 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| | | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|--------|-----|-------|-----|-----|
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 683 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 684 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 685 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 686 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | pp | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | perm | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | acc | | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 687 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|-----|---|---------------|------------|------------------|-----|-----|--------|-----|-------|-----|
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 688 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 689 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 690 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | |
| 691 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|------------------|---|------------|-----|------|-----|-----|--------|-----|-------|-----|
| Length = 1.85 | | | | | | | | | | |
| Type: Beam | | | | | | | | | | |
| Section: soletta | | | | | | | | | | |
| 692 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.85 | | | | | | | | | | |
| Type: Beam | | | | | | | | | | |
| Section: soletta | | | | | | | | | | |
| 693 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.85 | | | | | | | | | | |
| Type: Beam | | | | | | | | | | |
| Section: soletta | | | | | | | | | | |
| 694 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.85 | | | | | | | | | | |
| Type: Beam | | | | | | | | | | |
| Section: soletta | | | | | | | | | | |
| 695 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Length = 1.85 | | | | | | | | | | |
| Type: Beam | | | | | | | | | | |
| Section: soletta | | | | | | | | | | |
| 696 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|---|---------------|------------|-------------------|-----|-----|--------|------|-------|-----|-----|
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 697 | 2 | 3 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -115.6 | 0.0 | -11.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: soletta | | | | | | | |
| 698 | 3 | 6 c mobili | Max | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -114.1 | 0.0 | -11.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -2.6 | 0.0 | -1.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -1.3 | 0.0 | -0.5 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.85 | Type: Beam | Section: traverso | | | | | | | |
| 699 | 3 | 6 c mobili | Max | I | 0.0 | 0.0 | 123.3 | 0.1 | 6.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 123.3 | 0.1 | 20.9 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 123.3 | 0.1 | 46.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -73.3 | -0.0 | -14.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -73.3 | -0.0 | -46.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -73.3 | -0.0 | -91.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -3.6 | -0.0 | 1.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -2.9 | -0.0 | 3.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -2.2 | -0.0 | 4.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 14.5 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 14.5 | 0.0 | -5.5 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.5 | 0.0 | -11.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.2 | Type: Beam | Section: traverso | | | | | | | |
| 700 | 3 | 6 c mobili | Max | I | 0.0 | 0.0 | 123.3 | 0.0 | 6.5 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 123.3 | 0.0 | 20.9 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 123.3 | 0.0 | 46.0 | 0.0 | 0.0 |
| | | | Min | I | 0.0 | 0.0 | -73.3 | -0.1 | -14.8 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -73.3 | -0.1 | -46.7 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -73.3 | -0.1 | -91.4 | 0.0 | 0.0 |
| | | | PP | I | 0.0 | 0.0 | -3.6 | 0.0 | 1.9 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | -2.9 | 0.0 | 3.1 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | -2.2 | 0.0 | 4.1 | 0.0 | 0.0 |
| | | | perm | I | 0.0 | 0.0 | 14.5 | -0.0 | -0.1 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 14.5 | -0.0 | -5.5 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 14.5 | -0.0 | -11.0 | 0.0 | 0.0 |
| | | | acc | I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | CNT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | J | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Length = 1.2 | Type: Beam | Section: traverso | | | | | | | |

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

| Node | LC | FX | FY | FZ | MX | MY | MZ |
|-------|-------|-------|-------|-------|-------|-------|-------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|--------------|------|-----|-----|-------|-----|-----|-----|
| 2 c mobili | Max | 0.0 | 0.0 | 76.1 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -21.2 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 293.3 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 121.5 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 46 c mobili | Max | 0.0 | 0.0 | 76.1 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -21.2 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 293.3 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 121.5 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49 c mobili | Max | 0.0 | 0.0 | 317.3 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -44.2 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 293.0 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93 c mobili | Max | 0.0 | 0.0 | 317.3 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -44.2 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 293.0 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96 c mobili | Max | 0.0 | 0.0 | 357.7 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -21.8 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 292.6 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.4 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140 c mobili | Max | 0.0 | 0.0 | 357.7 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -21.8 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 292.6 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.4 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 143 c mobili | Max | 0.0 | 0.0 | 386.1 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -16.9 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 187 c mobili | Max | 0.0 | 0.0 | 386.1 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -16.9 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.1 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.3 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190 c mobili | Max | 0.0 | 0.0 | 360.2 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -56.3 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.6 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.1 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 234 c mobili | Max | 0.0 | 0.0 | 360.2 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -56.3 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 291.6 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 67.1 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 237 c mobili | Max | 0.0 | 0.0 | 359.6 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -30.6 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 331.8 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 77.7 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 281 c mobili | Max | 0.0 | 0.0 | 359.6 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -30.6 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 331.8 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 77.7 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 284 c mobili | Max | 0.0 | 0.0 | 446.4 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -18.2 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 290.8 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 120.8 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 328 c mobili | Max | 0.0 | 0.0 | 446.4 | 0.0 | 0.0 | 0.0 |
| | Min | 0.0 | 0.0 | -18.2 | 0.0 | 0.0 | 0.0 |
| | pp | 0.0 | 0.0 | 290.8 | 0.0 | 0.0 | 0.0 |
| | perm | 0.0 | 0.0 | 120.8 | 0.0 | 0.0 | 0.0 |
| | acc | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

SUMMATION OF REACTION FORCES

| LC | SUM-FX | SUM-FY | SUM-FZ |
|------|--------|--------|--------|
| pp | 0.0 | 0.0 | 4168.4 |
| perm | 0.0 | 0.0 | 1196.0 |
| acc | 0.0 | 0.0 | 0.0 |

14. Tabulati di input – Stato di Progetto Spalla

*** PROJECT INFORMATION

Project Name :
Date : 2013/9/25

*** CONTROL DATA

Panel Zone Effect : Do not Calculate
Unit System : KN, M
Definition of Frame
- X Direction of Frame : Unbraced I Sway
- Y Direction of Frame : Unbraced I Sway
- Design Type : 3-D
Design Code
- Steel : Eurocode3:05
- Concrete : Eurocode2:04
- SRC : SSR079

*** LOAD CASE DATA

| NO | NAME | TYPE | SELF WEIGHT FACTOR | | | DESCRIPTION |
|----|-----------|------|--------------------|-------|--------|-------------------------------------|
| | | | X | Y | Z | |
| 1 | Gp | D | 0.000 | 0.000 | -1.000 | peso proprio strutture |
| 4 | G1 - vert | D | 0.000 | 0.000 | 0.000 | azioni vert impalcati |
| 5 | G1 - long | D | 0.000 | 0.000 | 0.000 | azioni long impalcati |
| 30 | St | EH | 0.000 | 0.000 | 0.000 | spinta statica terreni |
| 31 | Stq | EH | 0.000 | 0.000 | 0.000 | spinta sovraccarichi terreno ad h/2 |
| 6 | St-TRASV | EH | 0.000 | 0.000 | 0.000 | spinta statica terreni-TRASV |
| 7 | Stq-TRASV | EH | 0.000 | 0.000 | 0.000 | spinta sovraccarichi terreno ad h/~ |

*** MATERIAL PROPERTY DATA

| NO | NAME | TYPE | MODULUS OF ELASTICITY | | SHEAR MODULUS | THERMAL COEFF. | POISSON RATIO | WEIGHT DENSITY |
|----|----------|-------|-----------------------|------------|---------------|----------------|---------------|----------------|
| | | | X | Y | | | | |
| 1 | Rcm25 | CONC | 2.739e+007 | 1.141e+007 | 1.141e+007 | 1e-005 | 0.2 | 25 |
| 2 | fittizio | USER | 0.0001 | 5e-005 | | 0 | 0 | 0 |
| 3 | C45/55 | CONC | 3.64e+007 | 1.517e+007 | 1.517e+007 | 1e-005 | 0.2 | 25 |
| 4 | C28/35 | CONC | 3.259e+007 | 1.358e+007 | 1.358e+007 | 1e-005 | 0.2 | 25 |
| 5 | C20/25 | CONC | 3.02e+007 | 1.258e+007 | 1.258e+007 | 1e-005 | 0.2 | 25 |
| 6 | S355 | STEEL | 2.1e+008 | 8.077e+007 | 8.077e+007 | 1.2e-005 | 0.3 | 78.5 |
| 7 | S450 | STEEL | 2.1e+008 | 8.077e+007 | 8.077e+007 | 1.2e-005 | 0.3 | 78.5 |
| 8 | S275 | STEEL | 2.1e+008 | 8.077e+007 | 8.077e+007 | 1.2e-005 | 0.3 | 78.5 |
| 9 | S235 | STEEL | 2.1e+008 | 8.077e+007 | 8.077e+007 | 1.2e-005 | 0.3 | 78.5 |
| 10 | C25/30 | CONC | 3.145e+007 | 1.31e+007 | 1.31e+007 | 1e-005 | 0.2 | 25 |
| 11 | C32/40 | CONC | 3.364e+007 | 1.402e+007 | 1.402e+007 | 1e-005 | 0.2 | 25 |
| 12 | C35/45 | CONC | 3.463e+007 | 1.443e+007 | 1.443e+007 | 1e-005 | 0.2 | 25 |
| 13 | C50/60 | CONC | 3.724e+007 | 1.552e+007 | 1.552e+007 | 1e-005 | 0.2 | 25 |
| 14 | C55/67 | CONC | 3.833e+007 | 1.597e+007 | 1.597e+007 | 1e-005 | 0.2 | 25 |
| 15 | C60/75 | CONC | 3.948e+007 | 1.645e+007 | 1.645e+007 | 1e-005 | 0.2 | 25 |
| 16 | C70/85 | CONC | 4.083e+007 | 1.701e+007 | 1.701e+007 | 1e-005 | 0.2 | 25 |

| NO | NAME | TYPE | STRENGTH OF DESIGN MATERIAL | | | |
|----|--------|-------|-----------------------------|----------|------------|-----------|
| | | | STEEL | CONCRETE | MAIN REBAR | SUB REBAR |
| 1 | Rcm25 | CONC | - | 0 | 4e+005 | 4e+005 |
| 3 | C45/55 | CONC | - | 4.5e+004 | 4.5e+005 | 4.5e+005 |
| 4 | C28/35 | CONC | - | 2.8e+004 | 4.5e+005 | 4.5e+005 |
| 5 | C20/25 | CONC | - | 2e+004 | 4.5e+005 | 4.5e+005 |
| 6 | S355 | STEEL | 3.55e+005 | - | - | - |
| 7 | S450 | STEEL | 4.4e+005 | - | - | - |
| 8 | S275 | STEEL | 2.75e+005 | - | - | - |
| 9 | S235 | STEEL | 2.35e+005 | - | - | - |
| 10 | C25/30 | CONC | - | 2.5e+004 | 4.5e+005 | 4.5e+005 |
| 11 | C32/40 | CONC | - | 0 | 4e+005 | 4e+005 |
| 12 | C35/45 | CONC | - | 3.5e+004 | 4.5e+005 | 4.5e+005 |
| 13 | C50/60 | CONC | - | 5e+004 | 4.5e+005 | 4.5e+005 |
| 14 | C55/67 | CONC | - | 5.5e+004 | 4.5e+005 | 4.5e+005 |
| 15 | C60/75 | CONC | - | 6e+004 | 4.5e+005 | 4.5e+005 |
| 16 | C70/85 | CONC | - | 7e+004 | 4.5e+005 | 4.5e+005 |

*** SUPPORT / SPECIFIED DISPLACEMENT / POINT SPRING SUPPORT

** SUPPORT / SPECIFIED DISPLACEMENT

| NODE | SUPPORT DDDRRR | SPECIFIED DISPLACEMENT | | | | | |
|------|----------------|------------------------|--------|--------|--------|--------|--------|
| | | Dx | Dy | Dz | Rx | Ry | Rz |
| 1 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 6 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 57 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 58 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 59 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 60 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 164 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 165 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 166 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|
| 167 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 229 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 230 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 231 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 232 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 233 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 234 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 235 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 236 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 237 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 238 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 239 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 240 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 241 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 242 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 243 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 244 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 405 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 406 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 407 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 408 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 409 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 410 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 411 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 412 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 413 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 414 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 415 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 416 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 417 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 418 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 419 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 629 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 630 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 690 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 692 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 694 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 696 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 744 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 746 | 111111 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

*** SECTION PROPERTY DATA

| NO | NAME | SHAPE | H | B | tw | tf1 | r1 |
|----|----------|-------|-----|-----|----|-----|----|
| 3 | fittizia | SB | 0.1 | 0.1 | 0 | 0 | 0 |

| NO | NAME | STIFFNESS SCALE FACTOR | | | | | | Boundary Group |
|----|----------|------------------------|-----|-----|----|----|----|----------------|
| | | A | Asy | Asz | Ix | Iy | Iz | W |
| 3 | fittizia | | | | | | | |

| NO | NAME | AREA | MOMENT OF INERTIA | | | SHAPE FACTOR | |
|----|----------|-------------|-------------------|------------|------------|--------------|--------|
| | | [SRC:EQIV.] | Ix | Iy | Iz | k-Y | k-Z |
| 3 | fittizia | 0.01 | 1.406e-005 | 8.333e-006 | 8.333e-006 | 0.8333 | 0.8333 |

| NO | NAME | SECTION MODULUS Sy | | SECTION MODULUS Sz | |
|----|----------|--------------------|------------|--------------------|------------|
| | | I or CONC. | J or STEEL | I or CONC. | J or STEEL |
| 3 | fittizia | 0.0001667 | 0.0001667 | 0.0001667 | 0.0001667 |

*** PLATE MEMBER DATA

| NO | NODAL CONNECTIVITY | | | | MATERIAL | THICKNESS | AREA |
|----|--------------------|-----|-----|-----|----------|-----------|--------|
| | 1 | 2 | 3 | 4 | | | |
| 6 | 6 | 57 | 96 | 95 | Rcm25 | 1.1 | 0.475 |
| 7 | 5 | 229 | 245 | 110 | Rcm25 | 1.4 | 0.4424 |
| 8 | 1 | 2 | 220 | 217 | Rcm25 | 1.4 | 0.1887 |
| 9 | 2 | 405 | 420 | 220 | Rcm25 | 1.4 | 0.4998 |
| 10 | 4 | 164 | 185 | 184 | Rcm25 | 1.2 | 0.475 |
| 20 | 12 | 168 | 190 | 138 | Rcm25 | 1.05 | 0.5719 |
| 21 | 7 | 61 | 78 | 77 | Rcm25 | 1.035 | 0.5719 |
| 22 | 8 | 261 | 277 | 92 | Rcm25 | 1.4 | 0.5327 |
| 23 | 9 | 10 | 226 | 223 | Rcm25 | 1.4 | 0.2272 |
| 24 | 10 | 435 | 450 | 226 | Rcm25 | 1.4 | 0.6017 |
| 32 | 19 | 39 | 571 | 570 | Rcm25 | 1.035 | 0.3822 |
| 33 | 13 | 65 | 573 | 572 | Rcm25 | 1.035 | 0.4518 |
| 34 | 14 | 293 | 575 | 574 | Rcm25 | 0.35 | 0.4208 |
| 35 | 15 | 16 | 577 | 576 | Rcm25 | 0.35 | 0.1795 |
| 36 | 16 | 465 | 578 | 577 | Rcm25 | 0.35 | 0.4754 |
| 37 | 20 | 145 | 580 | 579 | Rcm25 | 1.05 | 0.3822 |
| 38 | 18 | 172 | 582 | 581 | Rcm25 | 1.05 | 0.4518 |
| 46 | 29 | 45 | 51 | 37 | Rcm25 | 1.035 | 0.45 |
| 47 | 23 | 69 | 73 | 31 | Rcm25 | 1.035 | 0.532 |
| 48 | 24 | 309 | 325 | 32 | Rcm25 | 0.25 | 0.4955 |
| 49 | 25 | 26 | 34 | 33 | Rcm25 | 0.25 | 0.2113 |
| 50 | 26 | 480 | 495 | 34 | Rcm25 | 0.25 | 0.5598 |
| 51 | 30 | 152 | 158 | 38 | Rcm25 | 1.05 | 0.45 |
| 52 | 28 | 176 | 180 | 36 | Rcm25 | 1.05 | 0.532 |
| 65 | 39 | 40 | 583 | 571 | Rcm25 | 1.035 | 0.3822 |
| 66 | 40 | 41 | 584 | 583 | Rcm25 | 1.035 | 0.3822 |
| 67 | 41 | 42 | 585 | 584 | Rcm25 | 1.035 | 0.3822 |

| | | | | | | | |
|-----|-----|-----|-----|-----|-------|-------|---------|
| 68 | 42 | 43 | 586 | 585 | Rcm25 | 1.035 | 0.3822 |
| 69 | 43 | 44 | 587 | 586 | Rcm25 | 1.035 | 0.3822 |
| 70 | 44 | 13 | 572 | 587 | Rcm25 | 1.035 | 0.3822 |
| 77 | 45 | 46 | 52 | 51 | Rcm25 | 1.035 | 0.45 |
| 78 | 46 | 47 | 53 | 52 | Rcm25 | 1.035 | 0.45 |
| 79 | 47 | 48 | 54 | 53 | Rcm25 | 1.035 | 0.45 |
| 80 | 48 | 49 | 55 | 54 | Rcm25 | 1.035 | 0.45 |
| 81 | 49 | 50 | 56 | 55 | Rcm25 | 1.035 | 0.45 |
| 82 | 50 | 23 | 31 | 56 | Rcm25 | 1.035 | 0.45 |
| 87 | 57 | 58 | 101 | 96 | Rcm25 | 1.1 | 0.475 |
| 88 | 58 | 59 | 104 | 101 | Rcm25 | 1.1 | 0.475 |
| 89 | 59 | 60 | 107 | 104 | Rcm25 | 1.1 | 0.475 |
| 90 | 60 | 5 | 110 | 107 | Rcm25 | 1.1 | 0.475 |
| 95 | 61 | 62 | 83 | 78 | Rcm25 | 1.035 | 0.5719 |
| 96 | 62 | 63 | 86 | 83 | Rcm25 | 1.035 | 0.5719 |
| 97 | 63 | 64 | 89 | 86 | Rcm25 | 1.035 | 0.5719 |
| 98 | 64 | 8 | 92 | 89 | Rcm25 | 1.035 | 0.5719 |
| 103 | 65 | 66 | 588 | 573 | Rcm25 | 1.035 | 0.4518 |
| 104 | 66 | 67 | 589 | 588 | Rcm25 | 1.035 | 0.4518 |
| 105 | 67 | 68 | 590 | 589 | Rcm25 | 1.035 | 0.4518 |
| 106 | 68 | 14 | 574 | 590 | Rcm25 | 1.035 | 0.4518 |
| 111 | 69 | 70 | 74 | 73 | Rcm25 | 1.035 | 0.532 |
| 112 | 70 | 71 | 75 | 74 | Rcm25 | 1.035 | 0.532 |
| 113 | 71 | 72 | 76 | 75 | Rcm25 | 1.035 | 0.532 |
| 114 | 72 | 24 | 32 | 76 | Rcm25 | 1.035 | 0.532 |
| 115 | 77 | 78 | 80 | 79 | Rcm25 | 1.035 | 0.5719 |
| 116 | 79 | 80 | 82 | 81 | Rcm25 | 1.035 | 0.5719 |
| 117 | 81 | 82 | 65 | 13 | Rcm25 | 1.035 | 0.5719 |
| 118 | 78 | 83 | 84 | 80 | Rcm25 | 1.035 | 0.5719 |
| 119 | 80 | 84 | 85 | 82 | Rcm25 | 1.035 | 0.5719 |
| 120 | 82 | 85 | 66 | 65 | Rcm25 | 1.035 | 0.5719 |
| 121 | 83 | 86 | 87 | 84 | Rcm25 | 1.035 | 0.5719 |
| 122 | 84 | 87 | 88 | 85 | Rcm25 | 1.035 | 0.5719 |
| 123 | 85 | 88 | 67 | 66 | Rcm25 | 1.035 | 0.5719 |
| 124 | 86 | 89 | 90 | 87 | Rcm25 | 1.035 | 0.5719 |
| 125 | 87 | 90 | 91 | 88 | Rcm25 | 1.035 | 0.5719 |
| 126 | 88 | 91 | 68 | 67 | Rcm25 | 1.035 | 0.5719 |
| 127 | 89 | 92 | 93 | 90 | Rcm25 | 1.035 | 0.5719 |
| 128 | 90 | 93 | 94 | 91 | Rcm25 | 1.035 | 0.5719 |
| 129 | 91 | 94 | 14 | 68 | Rcm25 | 1.035 | 0.5719 |
| 130 | 95 | 96 | 98 | 97 | Rcm25 | 1.1 | 0.475 |
| 131 | 97 | 98 | 100 | 99 | Rcm25 | 1.1 | 0.475 |
| 132 | 99 | 100 | 61 | 7 | Rcm25 | 1.1 | 0.475 |
| 133 | 96 | 101 | 102 | 98 | Rcm25 | 1.1 | 0.475 |
| 134 | 98 | 102 | 103 | 100 | Rcm25 | 1.1 | 0.475 |
| 135 | 100 | 103 | 62 | 61 | Rcm25 | 1.1 | 0.475 |
| 136 | 101 | 104 | 105 | 102 | Rcm25 | 1.1 | 0.475 |
| 137 | 102 | 105 | 106 | 103 | Rcm25 | 1.1 | 0.475 |
| 138 | 103 | 106 | 63 | 62 | Rcm25 | 1.1 | 0.475 |
| 139 | 104 | 107 | 108 | 105 | Rcm25 | 1.1 | 0.475 |
| 140 | 105 | 108 | 109 | 106 | Rcm25 | 1.1 | 0.475 |
| 141 | 106 | 109 | 64 | 63 | Rcm25 | 1.1 | 0.475 |
| 142 | 107 | 110 | 111 | 108 | Rcm25 | 1.1 | 0.475 |
| 143 | 108 | 111 | 112 | 109 | Rcm25 | 1.1 | 0.475 |
| 144 | 109 | 112 | 8 | 64 | Rcm25 | 1.1 | 0.475 |
| 151 | 113 | 120 | 119 | 116 | Rcm25 | 1.035 | 0.383 |
| 152 | 120 | 77 | 79 | 119 | Rcm25 | 1.035 | 0.4838 |
| 153 | 116 | 119 | 118 | 117 | Rcm25 | 1.035 | 0.4233 |
| 154 | 119 | 79 | 81 | 118 | Rcm25 | 1.035 | 0.4838 |
| 155 | 117 | 118 | 44 | 43 | Rcm25 | 1.035 | 0.4636 |
| 156 | 118 | 81 | 13 | 44 | Rcm25 | 1.035 | 0.4837 |
| 157 | 121 | 7 | 77 | 120 | Rcm25 | 1.035 | 0.3455 |
| 158 | 113 | 121 | 120 | 0 | Rcm25 | 1.035 | 0.07775 |
| 159 | 19 | 122 | 39 | 0 | Rcm25 | 1.035 | 0.1382 |
| 160 | 122 | 115 | 40 | 39 | Rcm25 | 1.035 | 0.3455 |
| 161 | 115 | 123 | 41 | 40 | Rcm25 | 1.035 | 0.5442 |
| 162 | 123 | 124 | 42 | 41 | Rcm25 | 1.035 | 0.4837 |
| 163 | 124 | 117 | 43 | 42 | Rcm25 | 1.035 | 0.5039 |
| 164 | 114 | 125 | 124 | 123 | Rcm25 | 1.035 | 0.3628 |
| 165 | 125 | 116 | 117 | 124 | Rcm25 | 1.035 | 0.5442 |
| 168 | 127 | 113 | 116 | 125 | Rcm25 | 1.035 | 0.3686 |
| 169 | 115 | 126 | 123 | 0 | Rcm25 | 1.035 | 0.216 |
| 170 | 126 | 114 | 123 | 0 | Rcm25 | 1.035 | 0.08638 |
| 171 | 114 | 127 | 125 | 0 | Rcm25 | 1.035 | 0.03455 |
| 178 | 129 | 135 | 136 | 137 | Rcm25 | 1.05 | 0.383 |
| 179 | 135 | 138 | 139 | 136 | Rcm25 | 1.05 | 0.4838 |
| 180 | 137 | 136 | 140 | 141 | Rcm25 | 1.05 | 0.4233 |
| 181 | 136 | 139 | 142 | 140 | Rcm25 | 1.05 | 0.4838 |
| 182 | 141 | 140 | 143 | 144 | Rcm25 | 1.05 | 0.4636 |
| 183 | 140 | 142 | 18 | 143 | Rcm25 | 1.05 | 0.4837 |
| 184 | 130 | 12 | 138 | 135 | Rcm25 | 1.05 | 0.3455 |
| 185 | 129 | 130 | 135 | 0 | Rcm25 | 1.05 | 0.07775 |
| 186 | 20 | 128 | 145 | 0 | Rcm25 | 1.05 | 0.1382 |
| 187 | 128 | 133 | 146 | 145 | Rcm25 | 1.05 | 0.3455 |
| 188 | 133 | 147 | 148 | 146 | Rcm25 | 1.05 | 0.5442 |
| 189 | 147 | 149 | 150 | 148 | Rcm25 | 1.05 | 0.4837 |
| 190 | 149 | 141 | 144 | 150 | Rcm25 | 1.05 | 0.5039 |
| 191 | 131 | 151 | 149 | 147 | Rcm25 | 1.05 | 0.3628 |
| 192 | 151 | 137 | 141 | 149 | Rcm25 | 1.05 | 0.5442 |
| 195 | 132 | 129 | 137 | 151 | Rcm25 | 1.05 | 0.3686 |
| 196 | 133 | 134 | 147 | 0 | Rcm25 | 1.05 | 0.216 |
| 197 | 134 | 131 | 147 | 0 | Rcm25 | 1.05 | 0.08638 |
| 198 | 131 | 132 | 151 | 0 | Rcm25 | 1.05 | 0.03455 |
| 205 | 145 | 146 | 591 | 580 | Rcm25 | 1.05 | 0.3822 |
| 206 | 146 | 148 | 592 | 591 | Rcm25 | 1.05 | 0.3822 |
| 207 | 148 | 150 | 593 | 592 | Rcm25 | 1.05 | 0.3822 |
| 208 | 150 | 144 | 594 | 593 | Rcm25 | 1.05 | 0.3822 |
| 209 | 144 | 143 | 595 | 594 | Rcm25 | 1.05 | 0.3822 |
| 210 | 143 | 18 | 581 | 595 | Rcm25 | 1.05 | 0.3822 |
| 217 | 152 | 153 | 159 | 158 | Rcm25 | 1.05 | 0.45 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|-----|-----|-------|------|--------|
| 218 | 153 | 154 | 160 | 159 | Rcm25 | 1.05 | 0.45 |
| 219 | 154 | 155 | 161 | 160 | Rcm25 | 1.05 | 0.45 |
| 220 | 155 | 156 | 162 | 161 | Rcm25 | 1.05 | 0.45 |
| 221 | 156 | 157 | 163 | 162 | Rcm25 | 1.05 | 0.45 |
| 222 | 157 | 28 | 36 | 163 | Rcm25 | 1.05 | 0.45 |
| 227 | 164 | 165 | 193 | 185 | Rcm25 | 1.2 | 0.475 |
| 228 | 165 | 166 | 196 | 193 | Rcm25 | 1.2 | 0.475 |
| 229 | 166 | 167 | 199 | 196 | Rcm25 | 1.2 | 0.475 |
| 230 | 167 | 3 | 202 | 199 | Rcm25 | 1.2 | 0.475 |
| 235 | 168 | 169 | 205 | 190 | Rcm25 | 1.05 | 0.5719 |
| 236 | 169 | 170 | 208 | 205 | Rcm25 | 1.05 | 0.5719 |
| 237 | 170 | 171 | 211 | 208 | Rcm25 | 1.05 | 0.5719 |
| 238 | 171 | 11 | 214 | 211 | Rcm25 | 1.05 | 0.5719 |
| 243 | 172 | 173 | 596 | 582 | Rcm25 | 1.05 | 0.4518 |
| 244 | 173 | 174 | 597 | 596 | Rcm25 | 1.05 | 0.4518 |
| 245 | 174 | 175 | 598 | 597 | Rcm25 | 1.05 | 0.4518 |
| 246 | 175 | 17 | 599 | 598 | Rcm25 | 1.05 | 0.4518 |
| 251 | 176 | 177 | 181 | 180 | Rcm25 | 1.05 | 0.532 |
| 252 | 177 | 178 | 182 | 181 | Rcm25 | 1.05 | 0.532 |
| 253 | 178 | 179 | 183 | 182 | Rcm25 | 1.05 | 0.532 |
| 254 | 179 | 27 | 35 | 183 | Rcm25 | 1.05 | 0.532 |
| 255 | 184 | 185 | 187 | 186 | Rcm25 | 1.2 | 0.475 |
| 256 | 186 | 187 | 189 | 188 | Rcm25 | 1.2 | 0.475 |
| 257 | 188 | 189 | 168 | 12 | Rcm25 | 1.2 | 0.475 |
| 258 | 138 | 190 | 191 | 139 | Rcm25 | 1.05 | 0.5719 |
| 259 | 139 | 191 | 192 | 142 | Rcm25 | 1.05 | 0.5719 |
| 260 | 142 | 192 | 172 | 18 | Rcm25 | 1.05 | 0.5719 |
| 261 | 185 | 193 | 194 | 187 | Rcm25 | 1.2 | 0.475 |
| 262 | 187 | 194 | 195 | 189 | Rcm25 | 1.2 | 0.475 |
| 263 | 189 | 195 | 169 | 168 | Rcm25 | 1.2 | 0.475 |
| 264 | 193 | 196 | 197 | 194 | Rcm25 | 1.2 | 0.475 |
| 265 | 194 | 197 | 198 | 195 | Rcm25 | 1.2 | 0.475 |
| 266 | 195 | 198 | 170 | 169 | Rcm25 | 1.2 | 0.475 |
| 267 | 196 | 199 | 200 | 197 | Rcm25 | 1.2 | 0.475 |
| 268 | 197 | 200 | 201 | 198 | Rcm25 | 1.2 | 0.475 |
| 269 | 198 | 201 | 171 | 170 | Rcm25 | 1.2 | 0.475 |
| 270 | 199 | 202 | 203 | 200 | Rcm25 | 1.2 | 0.475 |
| 271 | 200 | 203 | 204 | 201 | Rcm25 | 1.2 | 0.475 |
| 272 | 201 | 204 | 11 | 171 | Rcm25 | 1.2 | 0.475 |
| 273 | 190 | 205 | 206 | 191 | Rcm25 | 1.05 | 0.5719 |
| 274 | 191 | 206 | 207 | 192 | Rcm25 | 1.05 | 0.5719 |
| 275 | 192 | 207 | 173 | 172 | Rcm25 | 1.05 | 0.5719 |
| 276 | 205 | 208 | 209 | 206 | Rcm25 | 1.05 | 0.5719 |
| 277 | 206 | 209 | 210 | 207 | Rcm25 | 1.05 | 0.5719 |
| 278 | 207 | 210 | 174 | 173 | Rcm25 | 1.05 | 0.5719 |
| 279 | 208 | 211 | 212 | 209 | Rcm25 | 1.05 | 0.5719 |
| 280 | 209 | 212 | 213 | 210 | Rcm25 | 1.05 | 0.5719 |
| 281 | 210 | 213 | 175 | 174 | Rcm25 | 1.05 | 0.5719 |
| 282 | 211 | 214 | 215 | 212 | Rcm25 | 1.05 | 0.5719 |
| 283 | 212 | 215 | 216 | 213 | Rcm25 | 1.05 | 0.5719 |
| 284 | 213 | 216 | 17 | 175 | Rcm25 | 1.05 | 0.5719 |
| 285 | 110 | 245 | 341 | 111 | Rcm25 | 1.4 | 0.4424 |
| 286 | 111 | 341 | 357 | 112 | Rcm25 | 1.4 | 0.4424 |
| 287 | 112 | 357 | 261 | 8 | Rcm25 | 1.4 | 0.4424 |
| 288 | 217 | 220 | 221 | 218 | Rcm25 | 1.4 | 0.1887 |
| 289 | 218 | 221 | 222 | 219 | Rcm25 | 1.4 | 0.1887 |
| 290 | 219 | 222 | 10 | 9 | Rcm25 | 1.4 | 0.1887 |
| 291 | 220 | 420 | 510 | 221 | Rcm25 | 1.4 | 0.4998 |
| 292 | 221 | 510 | 525 | 222 | Rcm25 | 1.4 | 0.4998 |
| 293 | 222 | 525 | 435 | 10 | Rcm25 | 1.4 | 0.4998 |
| 294 | 92 | 277 | 373 | 93 | Rcm25 | 1.4 | 0.5327 |
| 295 | 93 | 373 | 389 | 94 | Rcm25 | 1.4 | 0.5327 |
| 296 | 94 | 389 | 293 | 14 | Rcm25 | 1.4 | 0.5327 |
| 297 | 223 | 226 | 227 | 224 | Rcm25 | 1.4 | 0.2272 |
| 298 | 224 | 227 | 228 | 225 | Rcm25 | 1.4 | 0.2272 |
| 299 | 225 | 228 | 16 | 15 | Rcm25 | 1.4 | 0.2272 |
| 300 | 226 | 450 | 540 | 227 | Rcm25 | 1.4 | 0.6017 |
| 301 | 227 | 540 | 555 | 228 | Rcm25 | 1.4 | 0.6017 |
| 302 | 228 | 555 | 465 | 16 | Rcm25 | 1.4 | 0.6017 |
| 303 | 229 | 230 | 246 | 245 | Rcm25 | 1.4 | 0.4424 |
| 304 | 230 | 231 | 247 | 246 | Rcm25 | 1.4 | 0.4424 |
| 305 | 231 | 232 | 248 | 247 | Rcm25 | 1.4 | 0.4424 |
| 306 | 232 | 233 | 249 | 248 | Rcm25 | 1.4 | 0.4424 |
| 307 | 233 | 234 | 250 | 249 | Rcm25 | 1.4 | 0.4424 |
| 308 | 234 | 235 | 251 | 250 | Rcm25 | 1.4 | 0.4424 |
| 309 | 235 | 236 | 252 | 251 | Rcm25 | 1.4 | 0.4424 |
| 310 | 236 | 237 | 253 | 252 | Rcm25 | 1.4 | 0.4424 |
| 311 | 237 | 238 | 254 | 253 | Rcm25 | 1.4 | 0.4424 |
| 312 | 238 | 239 | 255 | 254 | Rcm25 | 1.4 | 0.4424 |
| 313 | 239 | 240 | 256 | 255 | Rcm25 | 1.4 | 0.4424 |
| 314 | 240 | 241 | 257 | 256 | Rcm25 | 1.4 | 0.4424 |
| 315 | 241 | 242 | 258 | 257 | Rcm25 | 1.4 | 0.4424 |
| 316 | 242 | 243 | 259 | 258 | Rcm25 | 1.4 | 0.4424 |
| 317 | 243 | 244 | 260 | 259 | Rcm25 | 1.4 | 0.5674 |
| 318 | 244 | 1 | 217 | 260 | Rcm25 | 1.4 | 0.3174 |
| 335 | 261 | 262 | 278 | 277 | Rcm25 | 1.4 | 0.5327 |
| 336 | 262 | 263 | 279 | 278 | Rcm25 | 1.4 | 0.5327 |
| 337 | 263 | 264 | 280 | 279 | Rcm25 | 1.4 | 0.5327 |
| 338 | 264 | 265 | 281 | 280 | Rcm25 | 1.4 | 0.5327 |
| 339 | 265 | 266 | 282 | 281 | Rcm25 | 1.4 | 0.5327 |
| 340 | 266 | 267 | 283 | 282 | Rcm25 | 1.4 | 0.5327 |
| 341 | 267 | 268 | 284 | 283 | Rcm25 | 1.4 | 0.5327 |
| 342 | 268 | 269 | 285 | 284 | Rcm25 | 1.4 | 0.5327 |
| 343 | 269 | 270 | 286 | 285 | Rcm25 | 1.4 | 0.5327 |
| 344 | 270 | 271 | 287 | 286 | Rcm25 | 1.4 | 0.5327 |
| 345 | 271 | 272 | 288 | 287 | Rcm25 | 1.4 | 0.5327 |
| 346 | 272 | 273 | 289 | 288 | Rcm25 | 1.4 | 0.5327 |
| 347 | 273 | 274 | 290 | 289 | Rcm25 | 1.4 | 0.5327 |
| 348 | 274 | 275 | 291 | 290 | Rcm25 | 1.4 | 0.5327 |
| 349 | 275 | 276 | 292 | 291 | Rcm25 | 1.4 | 0.6832 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | |
|-----|-----|-----|-----|-----|-------|------|--------|
| 350 | 276 | 9 | 223 | 292 | Rcm25 | 1.4 | 0.3822 |
| 383 | 293 | 294 | 600 | 575 | Rcm25 | 0.35 | 0.4208 |
| 384 | 294 | 295 | 601 | 600 | Rcm25 | 0.35 | 0.4208 |
| 385 | 295 | 296 | 602 | 601 | Rcm25 | 0.35 | 0.4208 |
| 386 | 296 | 297 | 603 | 602 | Rcm25 | 0.35 | 0.4208 |
| 387 | 297 | 298 | 604 | 603 | Rcm25 | 0.35 | 0.4208 |
| 388 | 298 | 299 | 605 | 604 | Rcm25 | 0.35 | 0.4208 |
| 389 | 299 | 300 | 606 | 605 | Rcm25 | 0.35 | 0.4208 |
| 390 | 300 | 301 | 607 | 606 | Rcm25 | 0.35 | 0.4208 |
| 391 | 301 | 302 | 608 | 607 | Rcm25 | 0.35 | 0.4208 |
| 392 | 302 | 303 | 609 | 608 | Rcm25 | 0.35 | 0.4208 |
| 393 | 303 | 304 | 610 | 609 | Rcm25 | 0.35 | 0.4208 |
| 394 | 304 | 305 | 611 | 610 | Rcm25 | 0.35 | 0.4208 |
| 395 | 305 | 306 | 612 | 611 | Rcm25 | 0.35 | 0.4208 |
| 396 | 306 | 307 | 613 | 612 | Rcm25 | 0.35 | 0.4208 |
| 397 | 307 | 308 | 614 | 613 | Rcm25 | 0.35 | 0.5397 |
| 398 | 308 | 15 | 576 | 614 | Rcm25 | 0.35 | 0.3019 |
| 415 | 309 | 310 | 326 | 325 | Rcm25 | 0.25 | 0.4955 |
| 416 | 310 | 311 | 327 | 326 | Rcm25 | 0.25 | 0.4955 |
| 417 | 311 | 312 | 328 | 327 | Rcm25 | 0.25 | 0.4955 |
| 418 | 312 | 313 | 329 | 328 | Rcm25 | 0.25 | 0.4955 |
| 419 | 313 | 314 | 330 | 329 | Rcm25 | 0.25 | 0.4955 |
| 420 | 314 | 315 | 331 | 330 | Rcm25 | 0.25 | 0.4955 |
| 421 | 315 | 316 | 332 | 331 | Rcm25 | 0.25 | 0.4955 |
| 422 | 316 | 317 | 333 | 332 | Rcm25 | 0.25 | 0.4955 |
| 423 | 317 | 318 | 334 | 333 | Rcm25 | 0.25 | 0.4955 |
| 424 | 318 | 319 | 335 | 334 | Rcm25 | 0.25 | 0.4955 |
| 425 | 319 | 320 | 336 | 335 | Rcm25 | 0.25 | 0.4955 |
| 426 | 320 | 321 | 337 | 336 | Rcm25 | 0.25 | 0.4955 |
| 427 | 321 | 322 | 338 | 337 | Rcm25 | 0.25 | 0.4955 |
| 428 | 322 | 323 | 339 | 338 | Rcm25 | 0.25 | 0.4955 |
| 429 | 323 | 324 | 340 | 339 | Rcm25 | 0.25 | 0.6355 |
| 430 | 324 | 25 | 33 | 340 | Rcm25 | 0.25 | 0.3555 |
| 431 | 245 | 246 | 342 | 341 | Rcm25 | 1.4 | 0.4424 |
| 432 | 246 | 247 | 343 | 342 | Rcm25 | 1.4 | 0.4424 |
| 433 | 247 | 248 | 344 | 343 | Rcm25 | 1.4 | 0.4424 |
| 434 | 248 | 249 | 345 | 344 | Rcm25 | 1.4 | 0.4424 |
| 435 | 249 | 250 | 346 | 345 | Rcm25 | 1.4 | 0.4424 |
| 436 | 250 | 251 | 347 | 346 | Rcm25 | 1.4 | 0.4424 |
| 437 | 251 | 252 | 348 | 347 | Rcm25 | 1.4 | 0.4424 |
| 438 | 252 | 253 | 349 | 348 | Rcm25 | 1.4 | 0.4424 |
| 439 | 253 | 254 | 350 | 349 | Rcm25 | 1.4 | 0.4424 |
| 440 | 254 | 255 | 351 | 350 | Rcm25 | 1.4 | 0.4424 |
| 441 | 255 | 256 | 352 | 351 | Rcm25 | 1.4 | 0.4424 |
| 442 | 256 | 257 | 353 | 352 | Rcm25 | 1.4 | 0.4424 |
| 443 | 257 | 258 | 354 | 353 | Rcm25 | 1.4 | 0.4424 |
| 444 | 258 | 259 | 355 | 354 | Rcm25 | 1.4 | 0.4424 |
| 445 | 259 | 260 | 356 | 355 | Rcm25 | 1.4 | 0.5674 |
| 446 | 260 | 217 | 218 | 356 | Rcm25 | 1.4 | 0.3174 |
| 447 | 341 | 342 | 358 | 357 | Rcm25 | 1.4 | 0.4424 |
| 448 | 342 | 343 | 359 | 358 | Rcm25 | 1.4 | 0.4424 |
| 449 | 343 | 344 | 360 | 359 | Rcm25 | 1.4 | 0.4424 |
| 450 | 344 | 345 | 361 | 360 | Rcm25 | 1.4 | 0.4424 |
| 451 | 345 | 346 | 362 | 361 | Rcm25 | 1.4 | 0.4424 |
| 452 | 346 | 347 | 363 | 362 | Rcm25 | 1.4 | 0.4424 |
| 453 | 347 | 348 | 364 | 363 | Rcm25 | 1.4 | 0.4424 |
| 454 | 348 | 349 | 365 | 364 | Rcm25 | 1.4 | 0.4424 |
| 455 | 349 | 350 | 366 | 365 | Rcm25 | 1.4 | 0.4424 |
| 456 | 350 | 351 | 367 | 366 | Rcm25 | 1.4 | 0.4424 |
| 457 | 351 | 352 | 368 | 367 | Rcm25 | 1.4 | 0.4424 |
| 458 | 352 | 353 | 369 | 368 | Rcm25 | 1.4 | 0.4424 |
| 459 | 353 | 354 | 370 | 369 | Rcm25 | 1.4 | 0.4424 |
| 460 | 354 | 355 | 371 | 370 | Rcm25 | 1.4 | 0.4424 |
| 461 | 355 | 356 | 372 | 371 | Rcm25 | 1.4 | 0.5674 |
| 462 | 356 | 218 | 219 | 372 | Rcm25 | 1.4 | 0.3174 |
| 463 | 357 | 358 | 262 | 261 | Rcm25 | 1.4 | 0.4424 |
| 464 | 358 | 359 | 263 | 262 | Rcm25 | 1.4 | 0.4424 |
| 465 | 359 | 360 | 264 | 263 | Rcm25 | 1.4 | 0.4424 |
| 466 | 360 | 361 | 265 | 264 | Rcm25 | 1.4 | 0.4424 |
| 467 | 361 | 362 | 266 | 265 | Rcm25 | 1.4 | 0.4424 |
| 468 | 362 | 363 | 267 | 266 | Rcm25 | 1.4 | 0.4424 |
| 469 | 363 | 364 | 268 | 267 | Rcm25 | 1.4 | 0.4424 |
| 470 | 364 | 365 | 269 | 268 | Rcm25 | 1.4 | 0.4424 |
| 471 | 365 | 366 | 270 | 269 | Rcm25 | 1.4 | 0.4424 |
| 472 | 366 | 367 | 271 | 270 | Rcm25 | 1.4 | 0.4424 |
| 473 | 367 | 368 | 272 | 271 | Rcm25 | 1.4 | 0.4424 |
| 474 | 368 | 369 | 273 | 272 | Rcm25 | 1.4 | 0.4424 |
| 475 | 369 | 370 | 274 | 273 | Rcm25 | 1.4 | 0.4424 |
| 476 | 370 | 371 | 275 | 274 | Rcm25 | 1.4 | 0.4424 |
| 477 | 371 | 372 | 276 | 275 | Rcm25 | 1.4 | 0.5674 |
| 478 | 372 | 219 | 9 | 276 | Rcm25 | 1.4 | 0.3174 |
| 479 | 277 | 278 | 374 | 373 | Rcm25 | 1.4 | 0.5327 |
| 480 | 278 | 279 | 375 | 374 | Rcm25 | 1.4 | 0.5327 |
| 481 | 279 | 280 | 376 | 375 | Rcm25 | 1.4 | 0.5327 |
| 482 | 280 | 281 | 377 | 376 | Rcm25 | 1.4 | 0.5327 |
| 483 | 281 | 282 | 378 | 377 | Rcm25 | 1.4 | 0.5327 |
| 484 | 282 | 283 | 379 | 378 | Rcm25 | 1.4 | 0.5327 |
| 485 | 283 | 284 | 380 | 379 | Rcm25 | 1.4 | 0.5327 |
| 486 | 284 | 285 | 381 | 380 | Rcm25 | 1.4 | 0.5327 |
| 487 | 285 | 286 | 382 | 381 | Rcm25 | 1.4 | 0.5327 |
| 488 | 286 | 287 | 383 | 382 | Rcm25 | 1.4 | 0.5327 |
| 489 | 287 | 288 | 384 | 383 | Rcm25 | 1.4 | 0.5327 |
| 490 | 288 | 289 | 385 | 384 | Rcm25 | 1.4 | 0.5327 |
| 491 | 289 | 290 | 386 | 385 | Rcm25 | 1.4 | 0.5327 |
| 492 | 290 | 291 | 387 | 386 | Rcm25 | 1.4 | 0.5327 |
| 493 | 291 | 292 | 388 | 387 | Rcm25 | 1.4 | 0.6832 |
| 494 | 292 | 223 | 224 | 388 | Rcm25 | 1.4 | 0.3822 |
| 495 | 373 | 374 | 390 | 389 | Rcm25 | 1.4 | 0.5327 |
| 496 | 374 | 375 | 391 | 390 | Rcm25 | 1.4 | 0.5327 |
| 497 | 375 | 376 | 392 | 391 | Rcm25 | 1.4 | 0.5327 |

| | | | | | | | |
|-----|-----|-----|-----|-----|-------|------|--------|
| 498 | 376 | 377 | 393 | 392 | Rcm25 | 1.4 | 0.5327 |
| 499 | 377 | 378 | 394 | 393 | Rcm25 | 1.4 | 0.5327 |
| 500 | 378 | 379 | 395 | 394 | Rcm25 | 1.4 | 0.5327 |
| 501 | 379 | 380 | 396 | 395 | Rcm25 | 1.4 | 0.5327 |
| 502 | 380 | 381 | 397 | 396 | Rcm25 | 1.4 | 0.5327 |
| 503 | 381 | 382 | 398 | 397 | Rcm25 | 1.4 | 0.5327 |
| 504 | 382 | 383 | 399 | 398 | Rcm25 | 1.4 | 0.5327 |
| 505 | 383 | 384 | 400 | 399 | Rcm25 | 1.4 | 0.5327 |
| 506 | 384 | 385 | 401 | 400 | Rcm25 | 1.4 | 0.5327 |
| 507 | 385 | 386 | 402 | 401 | Rcm25 | 1.4 | 0.5327 |
| 508 | 386 | 387 | 403 | 402 | Rcm25 | 1.4 | 0.5327 |
| 509 | 387 | 388 | 404 | 403 | Rcm25 | 1.4 | 0.6832 |
| 510 | 388 | 224 | 225 | 404 | Rcm25 | 1.4 | 0.3822 |
| 511 | 389 | 390 | 294 | 293 | Rcm25 | 1.4 | 0.5327 |
| 512 | 390 | 391 | 295 | 294 | Rcm25 | 1.4 | 0.5327 |
| 513 | 391 | 392 | 296 | 295 | Rcm25 | 1.4 | 0.5327 |
| 514 | 392 | 393 | 297 | 296 | Rcm25 | 1.4 | 0.5327 |
| 515 | 393 | 394 | 298 | 297 | Rcm25 | 1.4 | 0.5327 |
| 516 | 394 | 395 | 299 | 298 | Rcm25 | 1.4 | 0.5327 |
| 517 | 395 | 396 | 300 | 299 | Rcm25 | 1.4 | 0.5327 |
| 518 | 396 | 397 | 301 | 300 | Rcm25 | 1.4 | 0.5327 |
| 519 | 397 | 398 | 302 | 301 | Rcm25 | 1.4 | 0.5327 |
| 520 | 398 | 399 | 303 | 302 | Rcm25 | 1.4 | 0.5327 |
| 521 | 399 | 400 | 304 | 303 | Rcm25 | 1.4 | 0.5327 |
| 522 | 400 | 401 | 305 | 304 | Rcm25 | 1.4 | 0.5327 |
| 523 | 401 | 402 | 306 | 305 | Rcm25 | 1.4 | 0.5327 |
| 524 | 402 | 403 | 307 | 306 | Rcm25 | 1.4 | 0.5327 |
| 525 | 403 | 404 | 308 | 307 | Rcm25 | 1.4 | 0.6832 |
| 526 | 404 | 225 | 15 | 308 | Rcm25 | 1.4 | 0.3822 |
| 527 | 405 | 406 | 421 | 420 | Rcm25 | 1.4 | 0.3998 |
| 528 | 406 | 407 | 422 | 421 | Rcm25 | 1.4 | 0.4498 |
| 529 | 407 | 408 | 423 | 422 | Rcm25 | 1.4 | 0.4498 |
| 530 | 408 | 409 | 424 | 423 | Rcm25 | 1.4 | 0.4498 |
| 531 | 409 | 410 | 425 | 424 | Rcm25 | 1.4 | 0.4498 |
| 532 | 410 | 411 | 426 | 425 | Rcm25 | 1.4 | 0.4498 |
| 533 | 411 | 412 | 427 | 426 | Rcm25 | 1.4 | 0.4498 |
| 534 | 412 | 413 | 428 | 427 | Rcm25 | 1.4 | 0.4498 |
| 535 | 413 | 414 | 429 | 428 | Rcm25 | 1.4 | 0.4498 |
| 536 | 414 | 415 | 430 | 429 | Rcm25 | 1.4 | 0.4498 |
| 537 | 415 | 416 | 431 | 430 | Rcm25 | 1.4 | 0.4498 |
| 538 | 416 | 417 | 432 | 431 | Rcm25 | 1.4 | 0.4498 |
| 539 | 417 | 418 | 433 | 432 | Rcm25 | 1.4 | 0.4498 |
| 540 | 418 | 419 | 434 | 433 | Rcm25 | 1.4 | 0.4498 |
| 541 | 419 | 3 | 202 | 434 | Rcm25 | 1.4 | 0.4498 |
| 557 | 435 | 436 | 451 | 450 | Rcm25 | 1.4 | 0.4813 |
| 558 | 436 | 437 | 452 | 451 | Rcm25 | 1.4 | 0.5415 |
| 559 | 437 | 438 | 453 | 452 | Rcm25 | 1.4 | 0.5415 |
| 560 | 438 | 439 | 454 | 453 | Rcm25 | 1.4 | 0.5415 |
| 561 | 439 | 440 | 455 | 454 | Rcm25 | 1.4 | 0.5415 |
| 562 | 440 | 441 | 456 | 455 | Rcm25 | 1.4 | 0.5415 |
| 563 | 441 | 442 | 457 | 456 | Rcm25 | 1.4 | 0.5415 |
| 564 | 442 | 443 | 458 | 457 | Rcm25 | 1.4 | 0.5415 |
| 565 | 443 | 444 | 459 | 458 | Rcm25 | 1.4 | 0.5415 |
| 566 | 444 | 445 | 460 | 459 | Rcm25 | 1.4 | 0.5415 |
| 567 | 445 | 446 | 461 | 460 | Rcm25 | 1.4 | 0.5415 |
| 568 | 446 | 447 | 462 | 461 | Rcm25 | 1.4 | 0.5415 |
| 569 | 447 | 448 | 463 | 462 | Rcm25 | 1.4 | 0.5415 |
| 570 | 448 | 449 | 464 | 463 | Rcm25 | 1.4 | 0.5415 |
| 571 | 449 | 11 | 214 | 464 | Rcm25 | 1.4 | 0.5415 |
| 602 | 465 | 466 | 615 | 578 | Rcm25 | 0.35 | 0.3803 |
| 603 | 466 | 467 | 616 | 615 | Rcm25 | 0.35 | 0.4278 |
| 604 | 467 | 468 | 617 | 616 | Rcm25 | 0.35 | 0.4278 |
| 605 | 468 | 469 | 618 | 617 | Rcm25 | 0.35 | 0.4278 |
| 606 | 469 | 470 | 619 | 618 | Rcm25 | 0.35 | 0.4278 |
| 607 | 470 | 471 | 620 | 619 | Rcm25 | 0.35 | 0.4278 |
| 608 | 471 | 472 | 621 | 620 | Rcm25 | 0.35 | 0.4278 |
| 609 | 472 | 473 | 622 | 621 | Rcm25 | 0.35 | 0.4278 |
| 610 | 473 | 474 | 623 | 622 | Rcm25 | 0.35 | 0.4278 |
| 611 | 474 | 475 | 624 | 623 | Rcm25 | 0.35 | 0.4278 |
| 612 | 475 | 476 | 625 | 624 | Rcm25 | 0.35 | 0.4278 |
| 613 | 476 | 477 | 626 | 625 | Rcm25 | 0.35 | 0.4278 |
| 614 | 477 | 478 | 627 | 626 | Rcm25 | 0.35 | 0.4278 |
| 615 | 478 | 479 | 628 | 627 | Rcm25 | 0.35 | 0.4278 |
| 616 | 479 | 17 | 599 | 628 | Rcm25 | 0.35 | 0.4278 |
| 632 | 480 | 481 | 496 | 495 | Rcm25 | 0.25 | 0.4478 |
| 633 | 481 | 482 | 497 | 496 | Rcm25 | 0.25 | 0.5038 |
| 634 | 482 | 483 | 498 | 497 | Rcm25 | 0.25 | 0.5038 |
| 635 | 483 | 484 | 499 | 498 | Rcm25 | 0.25 | 0.5038 |
| 636 | 484 | 485 | 500 | 499 | Rcm25 | 0.25 | 0.5038 |
| 637 | 485 | 486 | 501 | 500 | Rcm25 | 0.25 | 0.5038 |
| 638 | 486 | 487 | 502 | 501 | Rcm25 | 0.25 | 0.5038 |
| 639 | 487 | 488 | 503 | 502 | Rcm25 | 0.25 | 0.5038 |
| 640 | 488 | 489 | 504 | 503 | Rcm25 | 0.25 | 0.5038 |
| 641 | 489 | 490 | 505 | 504 | Rcm25 | 0.25 | 0.5038 |
| 642 | 490 | 491 | 506 | 505 | Rcm25 | 0.25 | 0.5038 |
| 643 | 491 | 492 | 507 | 506 | Rcm25 | 0.25 | 0.5038 |
| 644 | 492 | 493 | 508 | 507 | Rcm25 | 0.25 | 0.5038 |
| 645 | 493 | 494 | 509 | 508 | Rcm25 | 0.25 | 0.5038 |
| 646 | 494 | 27 | 35 | 509 | Rcm25 | 0.25 | 0.5038 |
| 647 | 420 | 421 | 511 | 510 | Rcm25 | 1.4 | 0.3998 |
| 648 | 421 | 422 | 512 | 511 | Rcm25 | 1.4 | 0.4498 |
| 649 | 422 | 423 | 513 | 512 | Rcm25 | 1.4 | 0.4498 |
| 650 | 423 | 424 | 514 | 513 | Rcm25 | 1.4 | 0.4498 |
| 651 | 424 | 425 | 515 | 514 | Rcm25 | 1.4 | 0.4498 |
| 652 | 425 | 426 | 516 | 515 | Rcm25 | 1.4 | 0.4498 |
| 653 | 426 | 427 | 517 | 516 | Rcm25 | 1.4 | 0.4498 |
| 654 | 427 | 428 | 518 | 517 | Rcm25 | 1.4 | 0.4498 |
| 655 | 428 | 429 | 519 | 518 | Rcm25 | 1.4 | 0.4498 |
| 656 | 429 | 430 | 520 | 519 | Rcm25 | 1.4 | 0.4498 |
| 657 | 430 | 431 | 521 | 520 | Rcm25 | 1.4 | 0.4498 |

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| | | | | | | | |
|-----|-----|-----|-----|-----|-------|-------|--------|
| 658 | 431 | 432 | 522 | 521 | Rcm25 | 1.4 | 0.4498 |
| 659 | 432 | 433 | 523 | 522 | Rcm25 | 1.4 | 0.4498 |
| 660 | 433 | 434 | 524 | 523 | Rcm25 | 1.4 | 0.4498 |
| 661 | 434 | 202 | 203 | 524 | Rcm25 | 1.4 | 0.4498 |
| 662 | 510 | 511 | 526 | 525 | Rcm25 | 1.4 | 0.3998 |
| 663 | 511 | 512 | 527 | 526 | Rcm25 | 1.4 | 0.4498 |
| 664 | 512 | 513 | 528 | 527 | Rcm25 | 1.4 | 0.4498 |
| 665 | 513 | 514 | 529 | 528 | Rcm25 | 1.4 | 0.4498 |
| 666 | 514 | 515 | 530 | 529 | Rcm25 | 1.4 | 0.4498 |
| 667 | 515 | 516 | 531 | 530 | Rcm25 | 1.4 | 0.4498 |
| 668 | 516 | 517 | 532 | 531 | Rcm25 | 1.4 | 0.4498 |
| 669 | 517 | 518 | 533 | 532 | Rcm25 | 1.4 | 0.4498 |
| 670 | 518 | 519 | 534 | 533 | Rcm25 | 1.4 | 0.4498 |
| 671 | 519 | 520 | 535 | 534 | Rcm25 | 1.4 | 0.4498 |
| 672 | 520 | 521 | 536 | 535 | Rcm25 | 1.4 | 0.4498 |
| 673 | 521 | 522 | 537 | 536 | Rcm25 | 1.4 | 0.4498 |
| 674 | 522 | 523 | 538 | 537 | Rcm25 | 1.4 | 0.4498 |
| 675 | 523 | 524 | 539 | 538 | Rcm25 | 1.4 | 0.4498 |
| 676 | 524 | 203 | 204 | 539 | Rcm25 | 1.4 | 0.4498 |
| 677 | 525 | 526 | 436 | 435 | Rcm25 | 1.4 | 0.3998 |
| 678 | 526 | 527 | 437 | 436 | Rcm25 | 1.4 | 0.4498 |
| 679 | 527 | 528 | 438 | 437 | Rcm25 | 1.4 | 0.4498 |
| 680 | 528 | 529 | 439 | 438 | Rcm25 | 1.4 | 0.4498 |
| 681 | 529 | 530 | 440 | 439 | Rcm25 | 1.4 | 0.4498 |
| 682 | 530 | 531 | 441 | 440 | Rcm25 | 1.4 | 0.4498 |
| 683 | 531 | 532 | 442 | 441 | Rcm25 | 1.4 | 0.4498 |
| 684 | 532 | 533 | 443 | 442 | Rcm25 | 1.4 | 0.4498 |
| 685 | 533 | 534 | 444 | 443 | Rcm25 | 1.4 | 0.4498 |
| 686 | 534 | 535 | 445 | 444 | Rcm25 | 1.4 | 0.4498 |
| 687 | 535 | 536 | 446 | 445 | Rcm25 | 1.4 | 0.4498 |
| 688 | 536 | 537 | 447 | 446 | Rcm25 | 1.4 | 0.4498 |
| 689 | 537 | 538 | 448 | 447 | Rcm25 | 1.4 | 0.4498 |
| 690 | 538 | 539 | 449 | 448 | Rcm25 | 1.4 | 0.4498 |
| 691 | 539 | 204 | 11 | 449 | Rcm25 | 1.4 | 0.4498 |
| 692 | 450 | 451 | 541 | 540 | Rcm25 | 1.4 | 0.4813 |
| 693 | 451 | 452 | 542 | 541 | Rcm25 | 1.4 | 0.5415 |
| 694 | 452 | 453 | 543 | 542 | Rcm25 | 1.4 | 0.5415 |
| 695 | 453 | 454 | 544 | 543 | Rcm25 | 1.4 | 0.5415 |
| 696 | 454 | 455 | 545 | 544 | Rcm25 | 1.4 | 0.5415 |
| 697 | 455 | 456 | 546 | 545 | Rcm25 | 1.4 | 0.5415 |
| 698 | 456 | 457 | 547 | 546 | Rcm25 | 1.4 | 0.5415 |
| 699 | 457 | 458 | 548 | 547 | Rcm25 | 1.4 | 0.5415 |
| 700 | 458 | 459 | 549 | 548 | Rcm25 | 1.4 | 0.5415 |
| 701 | 459 | 460 | 550 | 549 | Rcm25 | 1.4 | 0.5415 |
| 702 | 460 | 461 | 551 | 550 | Rcm25 | 1.4 | 0.5415 |
| 703 | 461 | 462 | 552 | 551 | Rcm25 | 1.4 | 0.5415 |
| 704 | 462 | 463 | 553 | 552 | Rcm25 | 1.4 | 0.5415 |
| 705 | 463 | 464 | 554 | 553 | Rcm25 | 1.4 | 0.5415 |
| 706 | 464 | 214 | 215 | 554 | Rcm25 | 1.4 | 0.5415 |
| 707 | 540 | 541 | 556 | 555 | Rcm25 | 1.4 | 0.4813 |
| 708 | 541 | 542 | 557 | 556 | Rcm25 | 1.4 | 0.5415 |
| 709 | 542 | 543 | 558 | 557 | Rcm25 | 1.4 | 0.5415 |
| 710 | 543 | 544 | 559 | 558 | Rcm25 | 1.4 | 0.5415 |
| 711 | 544 | 545 | 560 | 559 | Rcm25 | 1.4 | 0.5415 |
| 712 | 545 | 546 | 561 | 560 | Rcm25 | 1.4 | 0.5415 |
| 713 | 546 | 547 | 562 | 561 | Rcm25 | 1.4 | 0.5415 |
| 714 | 547 | 548 | 563 | 562 | Rcm25 | 1.4 | 0.5415 |
| 715 | 548 | 549 | 564 | 563 | Rcm25 | 1.4 | 0.5415 |
| 716 | 549 | 550 | 565 | 564 | Rcm25 | 1.4 | 0.5415 |
| 717 | 550 | 551 | 566 | 565 | Rcm25 | 1.4 | 0.5415 |
| 718 | 551 | 552 | 567 | 566 | Rcm25 | 1.4 | 0.5415 |
| 719 | 552 | 553 | 568 | 567 | Rcm25 | 1.4 | 0.5415 |
| 720 | 553 | 554 | 569 | 568 | Rcm25 | 1.4 | 0.5415 |
| 721 | 554 | 215 | 216 | 569 | Rcm25 | 1.4 | 0.5415 |
| 722 | 555 | 556 | 466 | 465 | Rcm25 | 1.4 | 0.4813 |
| 723 | 556 | 557 | 467 | 466 | Rcm25 | 1.4 | 0.5415 |
| 724 | 557 | 558 | 468 | 467 | Rcm25 | 1.4 | 0.5415 |
| 725 | 558 | 559 | 469 | 468 | Rcm25 | 1.4 | 0.5415 |
| 726 | 559 | 560 | 470 | 469 | Rcm25 | 1.4 | 0.5415 |
| 727 | 560 | 561 | 471 | 470 | Rcm25 | 1.4 | 0.5415 |
| 728 | 561 | 562 | 472 | 471 | Rcm25 | 1.4 | 0.5415 |
| 729 | 562 | 563 | 473 | 472 | Rcm25 | 1.4 | 0.5415 |
| 730 | 563 | 564 | 474 | 473 | Rcm25 | 1.4 | 0.5415 |
| 731 | 564 | 565 | 475 | 474 | Rcm25 | 1.4 | 0.5415 |
| 732 | 565 | 566 | 476 | 475 | Rcm25 | 1.4 | 0.5415 |
| 733 | 566 | 567 | 477 | 476 | Rcm25 | 1.4 | 0.5415 |
| 734 | 567 | 568 | 478 | 477 | Rcm25 | 1.4 | 0.5415 |
| 735 | 568 | 569 | 479 | 478 | Rcm25 | 1.4 | 0.5415 |
| 736 | 569 | 216 | 17 | 479 | Rcm25 | 1.4 | 0.5415 |
| 804 | 570 | 571 | 45 | 29 | Rcm25 | 1.035 | 0.3822 |
| 805 | 572 | 573 | 69 | 23 | Rcm25 | 1.035 | 0.4518 |
| 806 | 574 | 575 | 309 | 24 | Rcm25 | 0.35 | 0.4208 |
| 807 | 576 | 577 | 26 | 25 | Rcm25 | 0.35 | 0.1795 |
| 808 | 577 | 578 | 480 | 26 | Rcm25 | 0.35 | 0.4754 |
| 809 | 579 | 580 | 152 | 30 | Rcm25 | 1.05 | 0.3822 |
| 810 | 581 | 582 | 176 | 28 | Rcm25 | 1.05 | 0.4518 |
| 811 | 571 | 583 | 46 | 45 | Rcm25 | 1.035 | 0.3822 |
| 812 | 583 | 584 | 47 | 46 | Rcm25 | 1.035 | 0.3822 |
| 813 | 584 | 585 | 48 | 47 | Rcm25 | 1.035 | 0.3822 |
| 814 | 585 | 586 | 49 | 48 | Rcm25 | 1.035 | 0.3822 |
| 815 | 586 | 587 | 50 | 49 | Rcm25 | 1.035 | 0.3822 |
| 816 | 587 | 572 | 23 | 50 | Rcm25 | 1.035 | 0.3822 |
| 817 | 573 | 588 | 70 | 69 | Rcm25 | 1.035 | 0.4518 |
| 818 | 588 | 589 | 71 | 70 | Rcm25 | 1.035 | 0.4518 |
| 819 | 589 | 590 | 72 | 71 | Rcm25 | 1.035 | 0.4518 |
| 820 | 590 | 574 | 24 | 72 | Rcm25 | 1.035 | 0.4518 |
| 821 | 580 | 591 | 153 | 152 | Rcm25 | 1.05 | 0.3822 |
| 822 | 591 | 592 | 154 | 153 | Rcm25 | 1.05 | 0.3822 |
| 823 | 592 | 593 | 155 | 154 | Rcm25 | 1.05 | 0.3822 |
| 824 | 593 | 594 | 156 | 155 | Rcm25 | 1.05 | 0.3822 |

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| | | | | | | | |
|-----|-----|-----|-----|-----|--------|------|---------|
| 825 | 594 | 595 | 157 | 156 | Rcm25 | 1.05 | 0.3822 |
| 826 | 595 | 581 | 28 | 157 | Rcm25 | 1.05 | 0.3822 |
| 827 | 582 | 596 | 177 | 176 | Rcm25 | 1.05 | 0.4518 |
| 828 | 596 | 597 | 178 | 177 | Rcm25 | 1.05 | 0.4518 |
| 829 | 597 | 598 | 179 | 178 | Rcm25 | 1.05 | 0.4518 |
| 830 | 598 | 599 | 27 | 179 | Rcm25 | 1.05 | 0.4518 |
| 831 | 575 | 600 | 310 | 309 | Rcm25 | 0.35 | 0.4208 |
| 832 | 600 | 601 | 311 | 310 | Rcm25 | 0.35 | 0.4208 |
| 833 | 601 | 602 | 312 | 311 | Rcm25 | 0.35 | 0.4208 |
| 834 | 602 | 603 | 313 | 312 | Rcm25 | 0.35 | 0.4208 |
| 835 | 603 | 604 | 314 | 313 | Rcm25 | 0.35 | 0.4208 |
| 836 | 604 | 605 | 315 | 314 | Rcm25 | 0.35 | 0.4208 |
| 837 | 605 | 606 | 316 | 315 | Rcm25 | 0.35 | 0.4208 |
| 838 | 606 | 607 | 317 | 316 | Rcm25 | 0.35 | 0.4208 |
| 839 | 607 | 608 | 318 | 317 | Rcm25 | 0.35 | 0.4208 |
| 840 | 608 | 609 | 319 | 318 | Rcm25 | 0.35 | 0.4208 |
| 841 | 609 | 610 | 320 | 319 | Rcm25 | 0.35 | 0.4208 |
| 842 | 610 | 611 | 321 | 320 | Rcm25 | 0.35 | 0.4208 |
| 843 | 611 | 612 | 322 | 321 | Rcm25 | 0.35 | 0.4208 |
| 844 | 612 | 613 | 323 | 322 | Rcm25 | 0.35 | 0.4208 |
| 845 | 613 | 614 | 324 | 323 | Rcm25 | 0.35 | 0.5397 |
| 846 | 614 | 576 | 25 | 324 | Rcm25 | 0.35 | 0.3019 |
| 847 | 578 | 615 | 481 | 480 | Rcm25 | 0.35 | 0.3803 |
| 848 | 615 | 616 | 482 | 481 | Rcm25 | 0.35 | 0.4278 |
| 849 | 616 | 617 | 483 | 482 | Rcm25 | 0.35 | 0.4278 |
| 850 | 617 | 618 | 484 | 483 | Rcm25 | 0.35 | 0.4278 |
| 851 | 618 | 619 | 485 | 484 | Rcm25 | 0.35 | 0.4278 |
| 852 | 619 | 620 | 486 | 485 | Rcm25 | 0.35 | 0.4278 |
| 853 | 620 | 621 | 487 | 486 | Rcm25 | 0.35 | 0.4278 |
| 854 | 621 | 622 | 488 | 487 | Rcm25 | 0.35 | 0.4278 |
| 855 | 622 | 623 | 489 | 488 | Rcm25 | 0.35 | 0.4278 |
| 856 | 623 | 624 | 490 | 489 | Rcm25 | 0.35 | 0.4278 |
| 857 | 624 | 625 | 491 | 490 | Rcm25 | 0.35 | 0.4278 |
| 858 | 625 | 626 | 492 | 491 | Rcm25 | 0.35 | 0.4278 |
| 859 | 626 | 627 | 493 | 492 | Rcm25 | 0.35 | 0.4278 |
| 860 | 627 | 628 | 494 | 493 | Rcm25 | 0.35 | 0.4278 |
| 861 | 628 | 599 | 27 | 494 | Rcm25 | 0.35 | 0.4278 |
| 862 | 629 | 630 | 631 | 632 | C32/40 | 0.6 | 0.475 |
| 863 | 633 | 634 | 635 | 636 | C32/40 | 0.6 | 0.5719 |
| 864 | 637 | 638 | 639 | 640 | C32/40 | 0.6 | 0.3822 |
| 865 | 641 | 642 | 643 | 644 | C32/40 | 0.6 | 0.4518 |
| 866 | 645 | 646 | 647 | 648 | C32/40 | 0.6 | 0.45 |
| 867 | 649 | 650 | 651 | 652 | C32/40 | 0.6 | 0.532 |
| 868 | 653 | 654 | 655 | 656 | C32/40 | 0.6 | 0.383 |
| 869 | 654 | 636 | 657 | 655 | C32/40 | 0.6 | 0.4838 |
| 870 | 656 | 655 | 658 | 659 | C32/40 | 0.6 | 0.4233 |
| 871 | 655 | 657 | 660 | 658 | C32/40 | 0.6 | 0.4838 |
| 872 | 659 | 658 | 661 | 662 | C32/40 | 0.6 | 0.4636 |
| 873 | 658 | 660 | 641 | 661 | C32/40 | 0.6 | 0.4837 |
| 874 | 663 | 633 | 636 | 654 | C32/40 | 0.6 | 0.3455 |
| 875 | 653 | 663 | 654 | 0 | C32/40 | 0.6 | 0.07775 |
| 876 | 637 | 664 | 638 | 0 | C32/40 | 0.6 | 0.1382 |
| 877 | 664 | 665 | 666 | 638 | C32/40 | 0.6 | 0.3455 |
| 878 | 665 | 667 | 668 | 666 | C32/40 | 0.6 | 0.5442 |
| 879 | 667 | 669 | 670 | 668 | C32/40 | 0.6 | 0.4837 |
| 880 | 669 | 659 | 662 | 670 | C32/40 | 0.6 | 0.5039 |
| 881 | 671 | 672 | 669 | 667 | C32/40 | 0.6 | 0.3628 |
| 882 | 672 | 656 | 659 | 669 | C32/40 | 0.6 | 0.5442 |
| 883 | 673 | 653 | 656 | 672 | C32/40 | 0.6 | 0.3686 |
| 884 | 665 | 674 | 667 | 0 | C32/40 | 0.6 | 0.216 |
| 885 | 674 | 671 | 667 | 0 | C32/40 | 0.6 | 0.08638 |
| 886 | 671 | 673 | 672 | 0 | C32/40 | 0.6 | 0.03455 |
| 887 | 638 | 666 | 675 | 639 | C32/40 | 0.6 | 0.3822 |
| 888 | 666 | 668 | 676 | 675 | C32/40 | 0.6 | 0.3822 |
| 889 | 668 | 670 | 677 | 676 | C32/40 | 0.6 | 0.3822 |
| 890 | 670 | 662 | 678 | 677 | C32/40 | 0.6 | 0.3822 |
| 891 | 662 | 661 | 679 | 678 | C32/40 | 0.6 | 0.3822 |
| 892 | 661 | 641 | 644 | 679 | C32/40 | 0.6 | 0.3822 |
| 893 | 646 | 680 | 681 | 647 | C32/40 | 0.6 | 0.45 |
| 894 | 680 | 682 | 683 | 681 | C32/40 | 0.6 | 0.45 |
| 895 | 682 | 684 | 685 | 683 | C32/40 | 0.6 | 0.45 |
| 896 | 684 | 686 | 687 | 685 | C32/40 | 0.6 | 0.45 |
| 897 | 686 | 688 | 689 | 687 | C32/40 | 0.6 | 0.45 |
| 898 | 688 | 649 | 652 | 689 | C32/40 | 0.6 | 0.45 |
| 899 | 630 | 690 | 691 | 631 | C32/40 | 0.6 | 0.475 |
| 900 | 690 | 692 | 693 | 691 | C32/40 | 0.6 | 0.475 |
| 901 | 692 | 694 | 695 | 693 | C32/40 | 0.6 | 0.475 |
| 902 | 694 | 696 | 697 | 695 | C32/40 | 0.6 | 0.475 |
| 903 | 634 | 698 | 699 | 635 | C32/40 | 0.6 | 0.5719 |
| 904 | 698 | 700 | 701 | 699 | C32/40 | 0.6 | 0.5719 |
| 905 | 700 | 702 | 703 | 701 | C32/40 | 0.6 | 0.5719 |
| 906 | 702 | 704 | 705 | 703 | C32/40 | 0.6 | 0.5719 |
| 907 | 642 | 706 | 707 | 643 | C32/40 | 0.6 | 0.4518 |
| 908 | 706 | 708 | 709 | 707 | C32/40 | 0.6 | 0.4518 |
| 909 | 708 | 710 | 711 | 709 | C32/40 | 0.6 | 0.4518 |
| 910 | 710 | 712 | 713 | 711 | C32/40 | 0.6 | 0.4518 |
| 911 | 650 | 714 | 715 | 651 | C32/40 | 0.6 | 0.532 |
| 912 | 714 | 716 | 717 | 715 | C32/40 | 0.6 | 0.532 |
| 913 | 716 | 718 | 719 | 717 | C32/40 | 0.6 | 0.532 |
| 914 | 718 | 720 | 721 | 719 | C32/40 | 0.6 | 0.532 |
| 915 | 632 | 631 | 722 | 723 | C32/40 | 0.6 | 0.475 |
| 916 | 723 | 722 | 724 | 725 | C32/40 | 0.6 | 0.475 |
| 917 | 725 | 724 | 634 | 633 | C32/40 | 0.6 | 0.475 |
| 918 | 636 | 635 | 726 | 657 | C32/40 | 0.6 | 0.5719 |
| 919 | 657 | 726 | 727 | 660 | C32/40 | 0.6 | 0.5719 |
| 920 | 660 | 727 | 642 | 641 | C32/40 | 0.6 | 0.5719 |
| 921 | 631 | 691 | 728 | 722 | C32/40 | 0.6 | 0.475 |
| 922 | 722 | 728 | 729 | 724 | C32/40 | 0.6 | 0.475 |
| 923 | 724 | 729 | 698 | 634 | C32/40 | 0.6 | 0.475 |
| 924 | 691 | 693 | 730 | 728 | C32/40 | 0.6 | 0.475 |

| | | | | | | | |
|-----|-----|-----|-----|-----|--------|------|--------|
| 925 | 728 | 730 | 731 | 729 | C32/40 | 0.6 | 0.475 |
| 926 | 729 | 731 | 700 | 698 | C32/40 | 0.6 | 0.475 |
| 927 | 693 | 695 | 732 | 730 | C32/40 | 0.6 | 0.475 |
| 928 | 730 | 732 | 733 | 731 | C32/40 | 0.6 | 0.475 |
| 929 | 731 | 733 | 702 | 700 | C32/40 | 0.6 | 0.475 |
| 930 | 695 | 697 | 734 | 732 | C32/40 | 0.6 | 0.475 |
| 931 | 732 | 734 | 735 | 733 | C32/40 | 0.6 | 0.475 |
| 932 | 733 | 735 | 704 | 702 | C32/40 | 0.6 | 0.475 |
| 933 | 635 | 699 | 736 | 726 | C32/40 | 0.6 | 0.5719 |
| 934 | 726 | 736 | 737 | 727 | C32/40 | 0.6 | 0.5719 |
| 935 | 727 | 737 | 706 | 642 | C32/40 | 0.6 | 0.5719 |
| 936 | 699 | 701 | 738 | 736 | C32/40 | 0.6 | 0.5719 |
| 937 | 736 | 738 | 739 | 737 | C32/40 | 0.6 | 0.5719 |
| 938 | 737 | 739 | 708 | 706 | C32/40 | 0.6 | 0.5719 |
| 939 | 701 | 703 | 740 | 738 | C32/40 | 0.6 | 0.5719 |
| 940 | 738 | 740 | 741 | 739 | C32/40 | 0.6 | 0.5719 |
| 941 | 739 | 741 | 710 | 708 | C32/40 | 0.6 | 0.5719 |
| 942 | 703 | 705 | 742 | 740 | C32/40 | 0.6 | 0.5719 |
| 943 | 740 | 742 | 743 | 741 | C32/40 | 0.6 | 0.5719 |
| 944 | 741 | 743 | 712 | 710 | C32/40 | 0.6 | 0.5719 |
| 945 | 3 | 744 | 745 | 202 | C32/40 | 1.4 | 0.4498 |
| 946 | 744 | 746 | 747 | 745 | C32/40 | 1.4 | 0.5248 |
| 947 | 746 | 696 | 697 | 747 | C32/40 | 1.4 | 0.5248 |
| 948 | 11 | 748 | 749 | 214 | C32/40 | 1.4 | 0.5415 |
| 949 | 748 | 750 | 751 | 749 | C32/40 | 1.4 | 0.6318 |
| 950 | 750 | 704 | 705 | 751 | C32/40 | 1.4 | 0.6318 |
| 951 | 17 | 752 | 753 | 599 | C32/40 | 0.35 | 0.4278 |
| 952 | 752 | 754 | 755 | 753 | C32/40 | 0.35 | 0.4992 |
| 953 | 754 | 712 | 713 | 755 | C32/40 | 0.35 | 0.4992 |
| 954 | 27 | 756 | 757 | 35 | C32/40 | 0.25 | 0.5038 |
| 955 | 756 | 758 | 759 | 757 | C32/40 | 0.25 | 0.5878 |
| 956 | 758 | 720 | 721 | 759 | C32/40 | 0.25 | 0.5878 |
| 957 | 202 | 745 | 760 | 203 | C32/40 | 1.4 | 0.4498 |
| 958 | 745 | 747 | 761 | 760 | C32/40 | 1.4 | 0.5248 |
| 959 | 747 | 697 | 734 | 761 | C32/40 | 1.4 | 0.5248 |
| 960 | 203 | 760 | 762 | 204 | C32/40 | 1.4 | 0.4498 |
| 961 | 760 | 761 | 763 | 762 | C32/40 | 1.4 | 0.5248 |
| 962 | 761 | 734 | 735 | 763 | C32/40 | 1.4 | 0.5248 |
| 963 | 204 | 762 | 748 | 11 | C32/40 | 1.4 | 0.4498 |
| 964 | 762 | 763 | 750 | 748 | C32/40 | 1.4 | 0.5248 |
| 965 | 763 | 735 | 704 | 750 | C32/40 | 1.4 | 0.5248 |
| 966 | 214 | 749 | 764 | 215 | C32/40 | 1.4 | 0.5415 |
| 967 | 749 | 751 | 765 | 764 | C32/40 | 1.4 | 0.6318 |
| 968 | 751 | 705 | 742 | 765 | C32/40 | 1.4 | 0.6318 |
| 969 | 215 | 764 | 766 | 216 | C32/40 | 1.4 | 0.5415 |
| 970 | 764 | 765 | 767 | 766 | C32/40 | 1.4 | 0.6318 |
| 971 | 765 | 742 | 743 | 767 | C32/40 | 1.4 | 0.6318 |
| 972 | 216 | 766 | 752 | 17 | C32/40 | 1.4 | 0.5415 |
| 973 | 766 | 767 | 754 | 752 | C32/40 | 1.4 | 0.6318 |
| 974 | 767 | 743 | 712 | 754 | C32/40 | 1.4 | 0.6318 |
| 977 | 640 | 639 | 646 | 645 | C32/40 | 0.6 | 0.3822 |
| 978 | 644 | 643 | 650 | 649 | C32/40 | 0.6 | 0.4518 |
| 979 | 639 | 675 | 680 | 646 | C32/40 | 0.6 | 0.3822 |
| 980 | 675 | 676 | 682 | 680 | C32/40 | 0.6 | 0.3822 |
| 981 | 676 | 677 | 684 | 682 | C32/40 | 0.6 | 0.3822 |
| 982 | 677 | 678 | 686 | 684 | C32/40 | 0.6 | 0.3822 |
| 983 | 678 | 679 | 688 | 686 | C32/40 | 0.6 | 0.3822 |
| 984 | 679 | 644 | 649 | 688 | C32/40 | 0.6 | 0.3822 |
| 985 | 643 | 707 | 714 | 650 | C32/40 | 0.6 | 0.4518 |
| 986 | 707 | 709 | 716 | 714 | C32/40 | 0.6 | 0.4518 |
| 987 | 709 | 711 | 718 | 716 | C32/40 | 0.6 | 0.4518 |
| 988 | 711 | 713 | 720 | 718 | C32/40 | 0.6 | 0.4518 |
| 989 | 599 | 753 | 756 | 27 | C32/40 | 0.35 | 0.4278 |
| 990 | 753 | 755 | 758 | 756 | C32/40 | 0.35 | 0.4992 |
| 991 | 755 | 713 | 720 | 758 | C32/40 | 0.35 | 0.4992 |

*** LOAD DATA

; Self Weight, Nodal Load, Specified Displacement, Beam Load, Floor Load, Finishing Material Load,
System Temperature, Nodal Temperature, Element Temperature, Beam Section Temperature,
Wind Load, Static Seismic Load, Time History Analysis Data

[LOAD CASE : Gp]

** SELF WEIGHT DATA

; X=0, Y=0, Z=-1

[LOAD CASE : G1 - vert]

** BEAM LOAD DATA

| MEMBER | TYPE | DIR. | PROJ. | D1 | P1 | D2 | P2 | D3 | P3 | D4 | P4 |
|--------|--------------|------|-------|----|------|----|------|----|----|----|----|
| 772 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 772 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 773 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 773 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 774 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 774 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 775 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 775 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 776 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 776 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 777 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 777 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 778 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 778 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|----|----|---|------|---|------|---|---|---|---|
| 779 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 779 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 780 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 780 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 781 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 781 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 782 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 782 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 783 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 783 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 784 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 784 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 785 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 785 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 786 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 786 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 790 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 790 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 791 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 791 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 792 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 792 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 793 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 793 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 794 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 794 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 795 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 795 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 796 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 796 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 797 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 797 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 798 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 798 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 799 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 799 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 800 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 800 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 801 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 801 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 802 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 802 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 803 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 803 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 975 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 975 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 976 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 976 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |
| 992 | Uniform Load | GZ | NO | 0 | -224 | 1 | -224 | 0 | 0 | 0 | 0 |
| 992 | Uniform Load | GZ | NO | 0 | -258 | 1 | -258 | 0 | 0 | 0 | 0 |

[LOAD CASE : G1 - long]

** BEAM LOAD DATA

| MEMBER | TYPE | DIR. | PROJ. | D1 | P1 | D2 | P2 | D3 | P3 | D4 | P4 |
|--------|--------------|------|-------|----|------|----|------|----|----|----|----|
| 772 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 772 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 773 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 773 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 774 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 774 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 775 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 775 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 776 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 776 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 777 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 777 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 778 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 778 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 779 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 779 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 780 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 780 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 781 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 781 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 782 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 782 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 783 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 783 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 784 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 784 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 785 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 785 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 786 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 786 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 790 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 790 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 791 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 791 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 792 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 792 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 793 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 793 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 794 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 794 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 795 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 795 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | | |
|-----|--------------|----|----|---|------|---|------|---|---|---|---|
| 796 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 796 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 797 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 797 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 798 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 798 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 799 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 799 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 800 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 800 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 801 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 801 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 802 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 802 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 803 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 803 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 975 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 975 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 976 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 976 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |
| 992 | Uniform Load | GX | NO | 0 | 50.9 | 1 | 50.9 | 0 | 0 | 0 | 0 |
| 992 | Uniform M/T | GX | NO | 0 | 13 | 1 | 13 | 0 | 0 | 0 | 0 |

[LOAD CASE : St]

[LOAD CASE : Stq]

[LOAD CASE : St-TRASV]

[LOAD CASE : Stq-TRASV]

*** RESPONSE SPECTRUM FUNCTION DATA

| NAME | FUNCTION TYPE | SCALE | GRAVITY DATA |
|------------|-----------------|-------|---|
| q=1.5 - B~ | Normalized Acc. | 1 | 9.806 0:0.198 0.128:0.327 0.385:0.327 0.474:0.266 0.564:0.224 |

*** RESPONSE SPECTRUM LOAD CASE DATA

| NAME | FUNCTION NAME | DIR. | ANGLE | SCALE | PERIOD FACTOR | ACCIDENTAL ECCENTRICITY |
|------|---------------|------|-------|-------|---------------|-------------------------|
| | | | | | | |

*** LOAD COMBINATION DATA

** GENERAL

| NO | NAME | TYPE | ACTIVE | DESCRIPTION |
|----|------------|------|--------|-------------|
| 1 | VERIFICA + | Add | ACTIVE | |
| 2 | VER.TRASV | Add | ACTIVE | |

15.Tabulati di output – Stato di Progetto Spalla

```
*****
**                               Gen 2012                               Modeling, Integrated Design & Analysis Software                               **
**                               GENERAL STRUCTURE DESIGN SYSTEM                                               **
*****
```

```

XXX  XXX  XX  XXXXXXXX  XXXXXXXX  XXXXXXXX
XXXX XXXX  XX  XX  XX  XX  XX  XX  XX
XX  XX  XX  XX  XX  XX  XX  XX  XX
XX  X  XX  XX  XX  XX  XXXXXXXX  XXXXXXXX
XXX  XX  XXX  XXX  XX  XX  XX  XXX
XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Gen

```

Gen 2012

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ANALYSIS RESULT OUTPUT

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

| ABBREVIATION | FULL NAME | TYPE | DESCRIPTION |
|--------------|------------|----------|--|
| G1 - v-1 | G1 - vert | Static | azioni vert impalcati |
| G1 - l-1 | G1 - long | Static | azioni long impalcati |
| Stq-TR-1 | Stq-TRASV | Static | spinta sovraccarichi terreno ad h/2- TRASV |
| VERIFI-1 | VERIFICA + | Gen.Comb | |
| VER.TR-1 | VER.TRASV | Gen.Comb | |

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Combinations]]

| L. COMB | TYPE | COMBINATION DETAIL | | | |
|----------|----------|--------------------|--------------------|--------------------|--------------------|
| VERIFI-1 | Gen.Comb | 1.000 x Gp | + 1.000 x G1 - v-1 | + 1.000 x St | + 1.000 x Stq |
| | | 1.000 x x | + 1.000 x G1 - l-1 | | |
| VER.TR-1 | Gen.Comb | 1.000 x Gp | + 1.000 x G1 - v-1 | + 1.000 x St-TRASV | + 1.000 x Stq-TR-1 |
| | | 1.000 x y | | | |

PLATE ELEMENT FORCES (LOCAL, UNIT LENGTH) PRINTOUT

Unit System : kN , m

| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
|------|-----|-----|----------|----------|--------|---------|--------|--------|---------|--------|--------|
| 7 | 1 | 1 | VERIFI-1 | Cent | -121.9 | -871.0 | -94.7 | -110.1 | -882.8 | -7.10 | |
| | | | | 5 | -185.4 | -1031.8 | -179.3 | -149.0 | -1068.2 | -11.48 | |
| | | | | 229 | -185.4 | -721.6 | -144.2 | -149.1 | -757.9 | -14.13 | |
| | | | | 245 | -50.5 | -721.6 | -10.2 | -50.4 | -721.7 | -0.87 | |
| | | | | 110 | -50.5 | -1031.8 | -45.3 | -48.5 | -1033.9 | -2.64 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 40.7 | 229.3 | 42.9 | 238.6 | 31.4 | 77.76 | |
| | | | | 5 | 49.2 | 245.8 | 47.7 | 256.8 | 38.2 | 77.07 | |
| | | | | 229 | 51.2 | 255.9 | 42.8 | 264.5 | 42.6 | 78.65 | |
| | | | | 245 | 58.4 | 198.6 | 39.3 | 208.9 | 48.2 | 75.38 | |
| | | | | 110 | 4.1 | 216.9 | 44.1 | 225.6 | -4.6 | 78.74 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -42.6 | 65.6 | | | | | |
| | | | | 5 | 0.0 | 33.2 | | | | | |
| | | | | 229 | 0.0 | 97.9 | | | | | |
| | | | | 245 | -85.2 | 97.9 | | | | | |
| | | | | 110 | -85.2 | 33.2 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -76.5 | -395.3 | -108.3 | -43.2 | -428.6 | -17.10 |
| | | | | 5 | -90.0 | -424.3 | -97.5 | -63.6 | -450.6 | -15.13 | |
| | | | | 229 | -90.0 | -377.4 | -109.0 | -53.3 | -414.0 | -18.59 | |
| | | | | 245 | -55.4 | -377.4 | -119.1 | -16.2 | -416.6 | -18.25 | |
| | | | | 110 | -55.4 | -424.3 | -107.7 | -26.3 | -453.4 | -15.14 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | Cent | -4.4 | -16.4 | -1.4 | -4.3 | -16.6 | -6.41 | |
| | | | | 5 | -1.6 | -8.0 | 0.4 | -1.6 | -8.0 | 3.59 | |
| | | | | 229 | -3.3 | -16.3 | -0.7 | -3.2 | -16.4 | -3.00 | |
| | | | | 245 | -2.7 | -21.3 | -2.7 | -2.3 | -21.6 | -7.99 | |
| | | | | 110 | -10.2 | -20.0 | -1.6 | -10.0 | -20.3 | -8.88 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -5.7 | 12.8 | | | | | |
| | | | | 5 | 0.0 | 17.1 | | | | | |
| | | | | 229 | 0.0 | 8.4 | | | | | |
| | | | | 245 | -11.4 | 8.4 | | | | | |
| | | | | 110 | -11.4 | 17.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 8 | 1 | 1 | VERIFI-1 | Cent | -108.9 | -564.6 | -9.0 | -108.7 | -564.8 | -1.13 | |
| | | | | 1 | -104.6 | -564.4 | -7.0 | -104.5 | -564.5 | -0.88 | |
| | | | | 2 | -104.6 | -564.5 | -0.4 | -104.6 | -564.5 | -0.05 | |
| | | | | 220 | -121.3 | -564.5 | -11.0 | -121.0 | -564.8 | -1.42 | |
| | | | | 217 | -121.3 | -564.4 | -17.6 | -120.6 | -565.1 | -2.27 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 163.0 | 822.0 | -1.9 | 822.0 | 163.0 | -89.84 | |
| | | | | 1 | 183.0 | 915.0 | -1.2 | 915.0 | 183.0 | -89.91 | |
| | | | | 2 | 182.8 | 913.9 | -1.7 | 913.9 | 182.8 | -89.87 | |
| | | | | 220 | 142.7 | 729.0 | -2.6 | 729.0 | 142.6 | -89.75 | |
| | | | | 217 | 143.7 | 730.1 | -2.0 | 730.1 | 143.7 | -89.80 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 1.3 | 294.9 | | | | | |
| | | | | 1 | 0.0 | 295.0 | | | | | |
| | | | | 2 | 0.0 | 294.8 | | | | | |
| | | | | 220 | 2.7 | 294.8 | | | | | |
| | | | | 217 | 2.7 | 295.0 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -107.0 | -560.1 | 28.6 | -105.2 | -561.9 | 3.60 |
| | | | | | 1 | -104.8 | -560.7 | 25.9 | -103.3 | -562.1 | 3.24 |
| | | | | | 2 | -104.8 | -559.3 | 32.3 | -102.5 | -561.6 | 4.04 |
| | | | | | 220 | -116.3 | -559.3 | 31.4 | -114.1 | -561.6 | 4.04 |
| | | | | | 217 | -116.3 | -560.7 | 25.0 | -114.9 | -562.1 | 3.21 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -1.8 | -7.7 | -0.8 | -1.6 | -7.8 | -7.79 | |
| | | | | 1 | -1.5 | -7.3 | -0.6 | -1.4 | -7.3 | -5.74 | |
| | | | | 2 | -1.5 | -7.7 | -0.7 | -1.5 | -7.8 | -6.16 | |
| | | | | 220 | -2.2 | -8.1 | -1.1 | -2.1 | -8.3 | -9.97 | |
| | | | | 217 | -1.8 | -7.6 | -1.0 | -1.6 | -7.8 | -9.29 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.6 | 0.4 | | | | | |
| | | | | 1 | 0.0 | 0.5 | | | | | |
| | | | | 2 | 0.0 | 0.4 | | | | | |
| | | | | 220 | 1.3 | 0.4 | | | | | |
| | | | | 217 | 1.3 | 0.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 9 | 1 | 1 | VERIFI-1 | Cent | -120.0 | -561.5 | -13.9 | -119.5 | -561.9 | -1.80 | |
| | | | | 2 | -114.7 | -560.4 | -0.4 | -114.7 | -560.4 | -0.06 | |
| | | | | 405 | -114.7 | -565.6 | -12.0 | -114.4 | -565.9 | -1.52 | |
| | | | | 420 | -123.8 | -565.6 | -27.4 | -122.1 | -567.3 | -3.54 | |
| | | | | 220 | -123.8 | -560.4 | -15.9 | -123.2 | -561.0 | -2.08 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 162.3 | 818.9 | -3.1 | 818.9 | 162.3 | -89.73 | |
| | | | | 2 | 182.8 | 913.9 | -1.6 | 913.9 | 182.8 | -89.88 | |
| | | | | 405 | 181.7 | 908.7 | -3.1 | 908.7 | 181.7 | -89.75 | |
| | | | | 420 | 140.0 | 723.7 | -4.7 | 723.7 | 140.0 | -89.54 | |
| | | | | 220 | 144.7 | 729.4 | -3.1 | 729.4 | 144.7 | -89.69 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 2.3 | 294.7 | | | | | |
| | | | | 2 | 0.0 | 294.8 | | | | | |
| | | | | 405 | 0.0 | 294.5 | | | | | |
| | | | | 420 | 4.7 | 294.5 | | | | | |
| | | | | 220 | 4.7 | 294.8 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -116.3 | -553.8 | 25.6 | -114.8 | -555.3 | 3.34 |
| | | | | | 2 | -113.4 | -554.9 | 32.3 | -111.0 | -557.3 | 4.16 |
| | | | | | 405 | -113.4 | -556.0 | 22.8 | -112.2 | -557.2 | 2.94 |
| | | | | | 420 | -117.6 | -556.0 | 18.9 | -116.8 | -556.8 | 2.46 |
| | | | | | 220 | -117.6 | -554.9 | 28.4 | -115.8 | -556.8 | 3.70 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|-------|-------|----------|--------|--------|--------|--------|---------|--------|-------|
| | | | | | | | | Cent | -2.0 | -8.7 | -1.0 | -1.8 | -8.9 | -8.23 | |
| | | | | | | | | 2 | -1.5 | -7.7 | -0.6 | -1.5 | -7.8 | -5.79 | |
| | | | | | | | | 405 | -1.9 | -9.4 | -0.9 | -1.8 | -9.5 | -6.64 | |
| | | | | | | | | 420 | -3.0 | -9.8 | -1.4 | -2.7 | -10.1 | -11.23 | |
| | | | | | | | | 220 | -1.5 | -8.0 | -1.1 | -1.3 | -8.2 | -9.79 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 0.7 | 0.3 | | | | | |
| | | | | | | | | 2 | 0.0 | 0.4 | | | | | |
| | | | | | | | | 405 | 0.0 | 0.2 | | | | | |
| | | | | | | | | 420 | 1.4 | 0.2 | | | | | |
| | | | | | | | | 220 | 1.4 | 0.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 10 | 1 | 3 | VERIFI-1 | Cent | 107.8 | 454.0 | 176.7 | 528.3 | 33.5 | 67.21 | | | | | |
| | | | | 4 | 128.6 | 800.8 | 134.3 | 826.7 | 102.8 | 79.11 | | | | | |
| | | | | 164 | 128.6 | 151.7 | 202.2 | 342.7 | -62.4 | 46.63 | | | | | |
| | | | | 185 | 62.5 | 151.7 | 219.1 | 330.6 | -116.5 | 50.75 | | | | | |
| | | | | 184 | 62.5 | 800.8 | 151.2 | 830.6 | 32.7 | 78.87 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 10.5 | 81.0 | -6.4 | 81.6 | 9.9 | -84.88 | |
| | | | | | | | | 4 | 21.4 | 106.8 | -2.7 | 106.9 | 21.3 | -88.18 | |
| | | | | | | | | 164 | 19.2 | 95.9 | -8.5 | 96.8 | 18.2 | -83.73 | |
| | | | | | | | | 185 | 2.0 | 63.3 | -9.5 | 64.7 | 0.5 | -81.36 | |
| | | | | | | | | 184 | -0.6 | 58.2 | -3.7 | 58.4 | -0.8 | -86.38 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -1.1 | 61.1 | | | | | |
| | | | | | | | | 4 | 0.0 | 73.7 | | | | | |
| | | | | | | | | 164 | 0.0 | 48.6 | | | | | |
| | | | | | | | | 185 | -2.1 | 48.6 | | | | | |
| | | | | | | | | 184 | -2.1 | 73.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -120.2 | -834.8 | -95.7 | -107.6 | -847.4 | -7.50 |
| | | | | | | | | 4 | -183.7 | -992.5 | -89.4 | -174.0 | -1002.3 | -6.24 | |
| | | | | | | | | 164 | -183.7 | -696.9 | -64.5 | -175.8 | -704.9 | -7.06 | |
| | | | | | | | | 185 | -45.8 | -696.9 | -102.0 | -30.2 | -712.5 | -8.70 | |
| | | | | | | | | 184 | -45.8 | -992.5 | -126.9 | -29.0 | -1009.2 | -7.50 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -5.8 | -42.4 | -3.5 | -5.5 | -42.8 | -5.47 | |
| | | | | | | | | 4 | -9.3 | -46.4 | -4.9 | -8.6 | -47.0 | -7.38 | |
| | | | | | | | | 164 | -10.0 | -49.8 | -2.2 | -9.8 | -50.0 | -3.12 | |
| | | | | | | | | 185 | -3.1 | -35.1 | -2.1 | -3.0 | -35.2 | -3.75 | |
| | | | | | | | | 184 | -0.9 | -38.4 | -4.8 | -0.3 | -39.0 | -7.19 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.0 | -16.4 | | | | | |
| | | | | | | | | 4 | 0.0 | -10.4 | | | | | |
| | | | | | | | | 164 | 0.0 | -22.4 | | | | | |
| | | | | | | | | 185 | 3.9 | -22.4 | | | | | |
| | | | | | | | | 184 | 3.9 | -10.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 227 | 1 | 3 | VERIFI-1 | Cent | 31.0 | 56.6 | 236.1 | 280.3 | -192.6 | 46.55 | | | | | |
| | | | | 164 | 15.1 | 182.9 | 202.2 | 318.0 | -119.9 | 56.26 | | | | | |
| | | | | 165 | 15.1 | -65.2 | 227.3 | 205.8 | -255.8 | 39.99 | | | | | |
| | | | | 193 | 44.4 | -65.2 | 269.9 | 265.1 | -285.8 | 39.26 | | | | | |
| | | | | 185 | 44.4 | 182.9 | 244.9 | 368.2 | -140.9 | 52.89 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 11.7 | 70.3 | -12.4 | 72.8 | 9.2 | -78.55 | |
| | | | | | | | | 164 | 19.2 | 95.9 | -8.0 | 96.7 | 18.4 | -84.13 | |
| | | | | | | | | 165 | 14.3 | 71.3 | -10.4 | 73.2 | 12.4 | -79.99 | |
| | | | | | | | | 193 | 1.0 | 48.8 | -16.9 | 54.2 | -4.3 | -72.38 | |
| | | | | | | | | 185 | 12.2 | 65.3 | -14.4 | 69.0 | 8.5 | -75.73 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 5.4 | 40.9 | | | | | |
| | | | | | | | | 164 | 0.0 | 48.6 | | | | | |
| | | | | | | | | 165 | 0.0 | 33.1 | | | | | |
| | | | | | | | | 193 | 10.8 | 33.1 | | | | | |
| | | | | | | | | 185 | 10.8 | 48.6 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -112.2 | -646.7 | -78.2 | -101.0 | -657.9 | -8.15 |
| | | | | | | | | 164 | -131.5 | -715.3 | -64.5 | -124.4 | -722.4 | -6.23 | |
| | | | | | | | | 165 | -131.5 | -580.7 | -50.0 | -126.0 | -586.2 | -6.28 | |
| | | | | | | | | 193 | -91.4 | -580.7 | -91.8 | -74.8 | -597.3 | -10.29 | |
| | | | | | | | | 185 | -91.4 | -715.3 | -106.4 | -73.8 | -732.9 | -9.41 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|--------|
| | | | | Cent | -8.2 | -43.9 | -2.2 | -8.1 | -44.1 | -3.56 | |
| | | | | 164 | -10.0 | -49.8 | -2.1 | -9.9 | -50.0 | -3.04 | |
| | | | | 165 | -10.7 | -53.7 | -1.5 | -10.7 | -53.7 | -2.02 | |
| | | | | 193 | -6.8 | -36.8 | -2.3 | -6.6 | -37.0 | -4.40 | |
| | | | | 185 | -5.3 | -35.5 | -2.9 | -5.0 | -35.8 | -5.47 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.9 | -24.6 | | | | | |
| | | | | 164 | 0.0 | -22.4 | | | | | |
| | | | | 165 | 0.0 | -26.9 | | | | | |
| | | | | 193 | 1.7 | -26.9 | | | | | |
| | | | | 185 | 1.7 | -22.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 228 | 1 | 3 | VERIFI-1 | Cent | -22.8 | -152.0 | 262.0 | 182.5 | -357.2 | 38.08 | |
| | | | | 165 | -31.8 | -68.7 | 227.3 | 177.7 | -278.3 | 42.68 | |
| | | | | 166 | -31.8 | -236.9 | 233.0 | 120.2 | -388.9 | 33.13 | |
| | | | | 196 | -12.8 | -236.9 | 296.8 | 192.4 | -442.1 | 34.66 | |
| | | | | 193 | -12.8 | -68.7 | 291.0 | 251.6 | -333.1 | 42.25 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 7.8 | 49.3 | -14.7 | 54.0 | 3.1 | -72.34 | |
| | | | | 165 | 14.3 | 71.3 | -10.1 | 73.1 | 12.5 | -80.23 | |
| | | | | 166 | 8.9 | 44.4 | -12.2 | 48.2 | 5.1 | -72.73 | |
| | | | | 196 | -4.9 | 30.3 | -19.6 | 39.0 | -13.7 | -65.94 | |
| | | | | 193 | 12.9 | 51.2 | -17.5 | 58.0 | 6.1 | -68.76 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 9.4 | 26.1 | | | | | |
| | | | | 165 | 0.0 | 33.1 | | | | | |
| | | | | 166 | 0.0 | 19.0 | | | | | |
| | | | | 196 | 18.7 | 19.0 | | | | | |
| | | | | 193 | 18.7 | 33.1 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -103.2 | -522.5 | -70.1 | -91.8 | -534.0 | -9.25 |
| | | | | | 165 | -107.9 | -577.1 | -50.0 | -102.6 | -582.4 | -6.02 |
| | | | | | 166 | -107.9 | -471.9 | -53.2 | -100.3 | -479.6 | -8.15 |
| | | | | | 196 | -96.2 | -471.9 | -90.2 | -75.7 | -492.5 | -12.83 |
| | | | | | 193 | -96.2 | -577.1 | -87.0 | -81.0 | -592.4 | -9.95 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -8.9 | -46.1 | -1.9 | -8.8 | -46.2 | -2.87 | |
| | | | | 165 | -10.7 | -53.7 | -1.7 | -10.7 | -53.8 | -2.23 | |
| | | | | 166 | -11.5 | -57.7 | -1.3 | -11.5 | -57.7 | -1.64 | |
| | | | | 196 | -5.8 | -36.0 | -1.9 | -5.7 | -36.1 | -3.54 | |
| | | | | 193 | -7.4 | -36.9 | -2.2 | -7.2 | -37.1 | -4.31 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.0 | -30.6 | | | | | |
| | | | | 165 | 0.0 | -26.9 | | | | | |
| | | | | 166 | 0.0 | -34.3 | | | | | |
| | | | | 196 | -1.9 | -34.3 | | | | | |
| | | | | 193 | -1.9 | -26.9 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 229 | 1 | 3 | VERIFI-1 | Cent | -70.8 | -321.4 | 267.3 | 99.1 | -491.4 | 32.44 | |
| | | | | 166 | -70.3 | -240.2 | 233.0 | 92.8 | -403.3 | 34.99 | |
| | | | | 167 | -70.3 | -409.8 | 218.3 | 36.4 | -516.6 | 26.07 | |
| | | | | 199 | -67.4 | -409.8 | 301.7 | 108.3 | -585.5 | 30.21 | |
| | | | | 196 | -67.4 | -240.2 | 316.4 | 174.2 | -481.8 | 37.36 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 2.7 | 24.0 | -18.1 | 34.3 | -7.6 | -60.30 | |
| | | | | 166 | 8.9 | 44.4 | -12.4 | 48.3 | 5.0 | -72.51 | |
| | | | | 167 | 1.9 | 9.4 | -14.6 | 20.7 | -9.5 | -52.19 | |
| | | | | 199 | -8.5 | 9.4 | -23.8 | 25.9 | -25.0 | -55.30 | |
| | | | | 196 | 8.4 | 32.9 | -21.7 | 45.6 | -4.2 | -59.74 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 8.4 | 7.7 | | | | | |
| | | | | 166 | 0.0 | 19.0 | | | | | |
| | | | | 167 | 0.0 | -3.5 | | | | | |
| | | | | 199 | 16.8 | -3.5 | | | | | |
| | | | | 196 | 16.8 | 19.0 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -82.4 | -423.2 | -67.2 | -69.6 | -436.0 | -10.76 |
| | | | | | 166 | -86.5 | -470.0 | -53.2 | -79.2 | -477.2 | -7.76 |
| | | | | | 167 | -86.5 | -378.6 | -53.4 | -77.0 | -388.1 | -10.04 |
| | | | | | 199 | -77.2 | -378.6 | -81.1 | -56.7 | -399.1 | -14.15 |
| | | | | | 196 | -77.2 | -470.0 | -81.0 | -61.1 | -486.0 | -11.20 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|-------|--------|--------|-------|-------|-------|--------|
| | | | | | | | | Cent | -8.0 | -46.8 | -1.1 | -8.0 | -46.8 | -1.65 |
| | | | | | | | | 166 | -11.5 | -57.7 | -1.6 | -11.5 | -57.8 | -1.93 |
| | | | | | | | | 167 | -12.3 | -61.4 | -0.2 | -12.3 | -61.4 | -0.23 |
| | | | | | | | | 199 | -0.9 | -31.7 | -0.2 | -0.9 | -31.7 | -0.46 |
| | | | | | | | | 196 | -7.3 | -36.3 | -1.6 | -7.2 | -36.4 | -3.17 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -3.7 | -40.1 | | | | |
| | | | | | | | | 166 | 0.0 | -34.3 | | | | |
| | | | | | | | | 167 | 0.0 | -45.8 | | | | |
| | | | | | | | | 199 | -7.5 | -45.8 | | | | |
| | | | | | | | | 196 | -7.5 | -34.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 230 | 1 | 3 | VERIFI-1 | Cent | -121.9 | -525.5 | 255.3 | 1.7 | -649.2 | 25.84 | | | | |
| | | | | 167 | -122.3 | -404.8 | 218.3 | -3.5 | -523.5 | 28.54 | | | | |
| | | | | 3 | -122.3 | -666.4 | 178.3 | -69.1 | -719.6 | 16.62 | | | | |
| | | | | 202 | -110.4 | -666.4 | 292.4 | 15.0 | -791.9 | 23.22 | | | | |
| | | | | 199 | -110.4 | -404.8 | 332.4 | 105.9 | -621.1 | 33.06 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -1.3 | 10.1 | -17.4 | 22.7 | -13.9 | -54.13 |
| | | | | | | | | 167 | 1.9 | 9.4 | -15.4 | 21.5 | -10.3 | -51.81 |
| | | | | | | | | 3 | -2.0 | -10.0 | -18.8 | 13.3 | -25.3 | -39.00 |
| | | | | | | | | 202 | -5.2 | 30.1 | -18.6 | 38.1 | -13.2 | -66.77 |
| | | | | | | | | 199 | 0.0 | 11.1 | -15.2 | 21.7 | -10.6 | -55.00 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 6.2 | -35.7 | | | | |
| | | | | | | | | 167 | 0.0 | -3.5 | | | | |
| | | | | | | | | 3 | 0.0 | -68.0 | | | | |
| | | | | | | | | 202 | 12.4 | -68.0 | | | | |
| | | | | | | | | 199 | 12.4 | -3.5 | | | | |
| | | | | | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | LC | Cent | -52.4 | -323.1 | -56.4 | -41.1 | -334.4 | -11.32 | | | | |
| | | | VER.TR-1 | 167 | -62.8 | -377.5 | -53.4 | -54.0 | -386.4 | -9.37 | | | | |
| | | | | 3 | -62.8 | -266.6 | -38.6 | -55.8 | -273.6 | -10.37 | | | | |
| | | | | 202 | -43.0 | -266.6 | -59.5 | -28.2 | -281.4 | -14.02 | | | | |
| | | | | 199 | -43.0 | -377.5 | -74.3 | -27.3 | -393.3 | -11.98 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -3.0 | -45.3 | 1.8 | -2.9 | -45.4 | 2.40 |
| | | | | | | | | 167 | -12.3 | -61.4 | -0.9 | -12.3 | -61.5 | -1.08 |
| | | | | | | | | 3 | -13.2 | -66.2 | 5.2 | -12.7 | -66.7 | 5.61 |
| | | | | | | | | 202 | 17.8 | -21.2 | 5.6 | 18.6 | -22.0 | 8.06 |
| | | | | | | | | 199 | -4.1 | -32.3 | -0.5 | -4.1 | -32.3 | -1.10 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -13.4 | -55.2 | | | | |
| | | | | | | | | 167 | 0.0 | -45.8 | | | | |
| | | | | | | | | 3 | 0.0 | -64.7 | | | | |
| | | | | | | | | 202 | -26.9 | -64.7 | | | | |
| | | | | | | | | 199 | -26.9 | -45.8 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 255 | 1 | 3 | VERIFI-1 | Cent | 3.1 | 306.1 | 130.3 | 354.4 | -45.2 | 69.65 | | | | |
| | | | | 184 | -7.9 | 446.5 | 14.9 | 447.0 | -8.4 | 88.12 | | | | |
| | | | | 185 | -7.9 | 162.1 | 221.8 | 314.6 | -160.5 | 55.48 | | | | |
| | | | | 187 | 16.2 | 162.1 | 245.6 | 345.3 | -167.1 | 53.27 | | | | |
| | | | | 186 | 16.2 | 446.5 | 38.7 | 450.0 | 12.7 | 84.90 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 1.7 | 54.9 | -12.8 | 57.8 | -1.2 | -77.16 |
| | | | | | | | | 184 | 3.6 | 79.3 | -13.4 | 81.6 | 1.3 | -80.24 |
| | | | | | | | | 185 | 2.4 | 65.4 | -11.2 | 67.4 | 0.5 | -80.20 |
| | | | | | | | | 187 | 1.3 | 43.5 | -11.5 | 46.4 | -1.7 | -75.66 |
| | | | | | | | | 186 | -0.6 | 31.4 | -13.7 | 36.5 | -5.6 | -69.65 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -0.7 | 57.4 | | | | |
| | | | | | | | | 184 | -2.1 | 78.5 | | | | |
| | | | | | | | | 185 | -2.1 | 36.2 | | | | |
| | | | | | | | | 187 | 0.8 | 36.2 | | | | |
| | | | | | | | | 186 | 0.8 | 78.5 | | | | |
| | | | | | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | LC | Cent | -11.2 | -767.8 | -27.1 | -10.2 | -768.7 | -2.05 | | | | |
| | | | VER.TR-1 | 184 | -6.2 | -803.5 | 34.7 | -4.7 | -805.0 | 2.49 | | | | |
| | | | | 185 | -6.2 | -721.0 | -38.3 | -4.1 | -723.0 | -3.06 | | | | |
| | | | | 187 | -22.2 | -721.0 | -88.9 | -11.0 | -732.1 | -7.14 | | | | |
| | | | | 186 | -22.2 | -803.5 | -15.8 | -21.9 | -803.8 | -1.16 | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|--------|---------|--------|-------|
| | | | | | | | | Cent | -1.6 | -29.6 | -0.5 | -1.6 | -29.6 | -1.12 | |
| | | | | | | | | 184 | 0.0 | -33.8 | 0.2 | 0.0 | -33.8 | 0.34 | |
| | | | | | | | | 185 | -3.4 | -36.6 | -0.8 | -3.4 | -36.6 | -1.41 | |
| | | | | | | | | 187 | -2.1 | -24.1 | -1.2 | -2.0 | -24.2 | -3.00 | |
| | | | | | | | | 186 | -0.9 | -24.0 | -0.1 | -0.9 | -24.0 | -0.36 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.7 | -18.4 | | | | | |
| | | | | | | | | 184 | 3.9 | -16.5 | | | | | |
| | | | | | | | | 185 | 3.9 | -20.3 | | | | | |
| | | | | | | | | 187 | 1.6 | -20.3 | | | | | |
| | | | | | | | | 186 | 1.6 | -16.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 256 | 1 | 3 | VERIFI-1 | Cent | -2.4 | 131.8 | 128.4 | 209.6 | -80.1 | 58.79 | | | | | |
| | | | | 186 | -12.7 | 209.3 | 10.6 | 209.8 | -13.2 | 87.28 | | | | | |
| | | | | 187 | -12.7 | 57.9 | 214.6 | 240.0 | -194.9 | 49.67 | | | | | |
| | | | | 189 | 6.0 | 57.9 | 246.3 | 279.6 | -215.7 | 48.00 | | | | | |
| | | | | 188 | 6.0 | 209.3 | 42.2 | 217.7 | -2.4 | 78.71 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 1.2 | 36.7 | -16.5 | 43.2 | -5.3 | -68.54 | |
| | | | | | | | | 186 | 5.7 | 62.9 | -16.1 | 67.1 | 1.5 | -75.26 | |
| | | | | | | | | 187 | 1.2 | 42.9 | -15.1 | 47.8 | -3.7 | -72.03 | |
| | | | | | | | | 189 | -0.1 | 27.8 | -16.0 | 35.1 | -7.4 | -65.60 | |
| | | | | | | | | 188 | -1.9 | 13.3 | -17.0 | 24.3 | -12.9 | -57.08 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.2 | 52.4 | | | | | |
| | | | | | | | | 186 | 0.8 | 80.1 | | | | | |
| | | | | | | | | 187 | 0.8 | 24.7 | | | | | |
| | | | | | | | | 189 | 1.5 | 24.7 | | | | | |
| | | | | | | | | 188 | 1.5 | 80.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -10.9 | -729.2 | 8.5 | -10.8 | -729.3 | 0.67 |
| | | | | | | | | 186 | -12.3 | -775.5 | 32.8 | -10.9 | -776.9 | 2.46 | |
| | | | | | | | | 187 | -12.3 | -669.5 | 21.5 | -11.6 | -670.2 | 1.87 | |
| | | | | | | | | 189 | -17.0 | -669.5 | -15.9 | -16.6 | -669.9 | -1.40 | |
| | | | | | | | | 188 | -17.0 | -775.5 | -4.6 | -17.0 | -775.5 | -0.34 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -1.2 | -17.8 | 0.9 | -1.1 | -17.9 | 3.05 | |
| | | | | | | | | 186 | -1.0 | -24.4 | 1.3 | -0.9 | -24.5 | 3.12 | |
| | | | | | | | | 187 | -1.8 | -22.8 | 0.3 | -1.8 | -22.9 | 0.94 | |
| | | | | | | | | 189 | -1.2 | -12.6 | 0.5 | -1.2 | -12.6 | 2.28 | |
| | | | | | | | | 188 | -0.6 | -11.4 | 1.4 | -0.4 | -11.6 | 7.22 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.0 | -19.2 | | | | | |
| | | | | | | | | 186 | 1.6 | -21.5 | | | | | |
| | | | | | | | | 187 | 1.6 | -16.9 | | | | | |
| | | | | | | | | 189 | 0.5 | -16.9 | | | | | |
| | | | | | | | | 188 | 0.5 | -21.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 257 | 1 | 3 | VERIFI-1 | Cent | -104.7 | -38.6 | 179.6 | 111.0 | -254.3 | 50.21 | | | | | |
| | | | | 188 | -47.8 | -120.4 | 98.8 | 21.2 | -189.3 | 34.91 | | | | | |
| | | | | 189 | -47.8 | 23.5 | 204.2 | 195.2 | -219.4 | 49.95 | | | | | |
| | | | | 168 | -150.7 | 23.5 | 260.5 | 211.1 | -338.3 | 54.24 | | | | | |
| | | | | 12 | -150.7 | -120.4 | 155.1 | 20.3 | -291.4 | 47.79 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 7.4 | 25.1 | -21.6 | 39.6 | -7.1 | -56.15 | |
| | | | | | | | | 188 | 6.4 | 55.0 | -22.6 | 63.9 | -2.5 | -68.54 | |
| | | | | | | | | 189 | -1.2 | 22.2 | -15.0 | 29.5 | -8.6 | -63.97 | |
| | | | | | | | | 168 | 14.9 | 15.1 | -19.3 | 34.3 | -4.4 | -45.20 | |
| | | | | | | | | 12 | 9.4 | 8.0 | -26.9 | 35.6 | -18.2 | -44.27 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.0 | 48.2 | | | | | |
| | | | | | | | | 188 | 1.5 | 79.3 | | | | | |
| | | | | | | | | 189 | 1.5 | 17.1 | | | | | |
| | | | | | | | | 168 | -5.5 | 17.1 | | | | | |
| | | | | | | | | 12 | -5.5 | 79.3 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -165.6 | -687.6 | 91.8 | -150.0 | -703.2 | 9.69 |
| | | | | | | | | 188 | -72.8 | -965.2 | 197.5 | -31.1 | -1007.0 | 11.94 | |
| | | | | | | | | 189 | -72.8 | -471.9 | 1.2 | -72.8 | -471.9 | 0.18 | |
| | | | | | | | | 168 | -224.3 | -471.9 | -14.0 | -223.6 | -472.6 | -3.22 | |
| | | | | | | | | 12 | -224.3 | -965.2 | 182.3 | -181.9 | -1007.6 | 13.10 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|-------|-------|----------|--------|--------|--------|-------|--------|--------|--------|
| | | | | | | | | Cent | -2.2 | -7.5 | 2.8 | -1.0 | -8.7 | 23.29 | |
| | | | | | | | | 188 | -1.5 | -15.7 | 3.4 | -0.7 | -16.5 | 12.89 | |
| | | | | | | | | 189 | -0.7 | -9.9 | 1.2 | -0.5 | -10.1 | 7.25 | |
| | | | | | | | | 168 | -4.6 | -3.3 | 1.8 | -2.0 | -5.9 | 54.44 | |
| | | | | | | | | 12 | -2.1 | -0.9 | 4.1 | 2.6 | -5.6 | 49.42 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.6 | -18.6 | | | | | |
| | | | | | | | | 188 | 0.5 | -24.9 | | | | | |
| | | | | | | | | 189 | 0.5 | -12.4 | | | | | |
| | | | | | | | | 168 | 2.6 | -12.4 | | | | | |
| | | | | | | | | 12 | 2.6 | -24.9 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 261 | 1 | 3 | VERIFI-1 | Cent | 25.0 | 39.5 | 274.3 | 306.7 | -242.1 | 45.76 | | | | | |
| | | | | 185 | 42.1 | 155.6 | 247.7 | 353.0 | -155.3 | 51.45 | | | | | |
| | | | | 193 | 42.1 | -70.8 | 262.3 | 253.9 | -282.7 | 38.93 | | | | | |
| | | | | 194 | 4.8 | -70.8 | 300.9 | 270.3 | -336.3 | 41.42 | | | | | |
| | | | | 187 | 4.8 | 155.6 | 286.3 | 376.3 | -215.9 | 52.38 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 4.6 | 49.0 | -18.6 | 55.8 | -2.2 | -70.05 | |
| | | | | | | | | 185 | 12.6 | 67.5 | -16.2 | 71.9 | 8.2 | -74.69 | |
| | | | | | | | | 193 | 1.5 | 50.9 | -16.7 | 56.0 | -3.6 | -73.01 | |
| | | | | | | | | 194 | -2.4 | 33.2 | -20.8 | 42.8 | -12.0 | -65.32 | |
| | | | | | | | | 187 | 6.6 | 44.5 | -20.3 | 53.4 | -2.2 | -66.50 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 10.0 | 32.2 | | | | | |
| | | | | | | | | 185 | 10.8 | 36.2 | | | | | |
| | | | | | | | | 193 | 10.8 | 28.3 | | | | | |
| | | | | | | | | 194 | 9.3 | 28.3 | | | | | |
| | | | | | | | | 187 | 9.3 | 36.2 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -80.7 | -628.3 | -65.8 | -72.9 | -636.1 | -6.76 |
| | | | | | | | | | 185 | -91.9 | -713.4 | -42.7 | -89.0 | -716.3 | -3.91 |
| | | | | | | | | | 193 | -91.9 | -550.6 | -57.7 | -84.8 | -557.7 | -7.07 |
| | | | | | | | | | 194 | -65.4 | -550.6 | -88.9 | -49.6 | -566.3 | -10.07 |
| | | | | | | | | | 187 | -65.4 | -713.4 | -73.9 | -57.1 | -721.7 | -6.42 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -4.7 | -29.9 | -1.4 | -4.6 | -30.0 | -3.26 | |
| | | | | | | | | 185 | -5.6 | -37.0 | -1.7 | -5.5 | -37.1 | -3.09 | |
| | | | | | | | | 193 | -6.8 | -36.8 | -1.6 | -6.7 | -36.9 | -3.08 | |
| | | | | | | | | 194 | -2.7 | -21.4 | -1.0 | -2.6 | -21.5 | -3.18 | |
| | | | | | | | | 187 | -3.8 | -24.5 | -1.1 | -3.7 | -24.5 | -3.10 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 0.6 | -22.3 | | | | | |
| | | | | | | | | 185 | 1.7 | -20.3 | | | | | |
| | | | | | | | | 193 | 1.7 | -24.3 | | | | | |
| | | | | | | | | 194 | -0.6 | -24.3 | | | | | |
| | | | | | | | | 187 | -0.6 | -20.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 262 | 1 | 3 | VERIFI-1 | Cent | -32.0 | -1.1 | 284.8 | 268.7 | -301.7 | 46.56 | | | | | |
| | | | | 187 | -10.2 | 58.7 | 255.3 | 281.8 | -233.3 | 48.84 | | | | | |
| | | | | 194 | -10.2 | -63.1 | 275.2 | 239.9 | -313.1 | 42.26 | | | | | |
| | | | | 195 | -52.6 | -63.1 | 314.3 | 256.5 | -372.2 | 44.52 | | | | | |
| | | | | 189 | -52.6 | 58.7 | 294.4 | 302.6 | -296.5 | 50.35 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 1.7 | 32.2 | -24.1 | 45.5 | -11.6 | -61.14 | |
| | | | | | | | | 187 | 6.5 | 44.0 | -23.4 | 55.3 | -4.7 | -64.31 | |
| | | | | | | | | 194 | -2.1 | 34.9 | -22.5 | 45.5 | -12.7 | -64.68 | |
| | | | | | | | | 195 | -3.4 | 20.9 | -24.9 | 36.4 | -18.9 | -58.06 | |
| | | | | | | | | 189 | 5.7 | 29.0 | -25.8 | 45.7 | -10.9 | -57.15 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 9.8 | 23.7 | | | | | |
| | | | | | | | | 187 | 9.3 | 24.7 | | | | | |
| | | | | | | | | 194 | 9.3 | 22.7 | | | | | |
| | | | | | | | | 195 | 10.3 | 22.7 | | | | | |
| | | | | | | | | 189 | 10.3 | 24.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -88.9 | -575.3 | -26.7 | -87.4 | -576.8 | -3.14 |
| | | | | | | | | | 187 | -56.2 | -658.7 | 36.5 | -54.0 | -660.9 | 3.45 |
| | | | | | | | | | 194 | -56.2 | -500.9 | -60.2 | -48.2 | -509.0 | -7.58 |
| | | | | | | | | | 195 | -116.5 | -500.9 | -90.0 | -96.5 | -520.9 | -12.54 |
| | | | | | | | | | 189 | -116.5 | -658.7 | 6.7 | -116.4 | -658.8 | 0.71 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | Cent | -2.6 | -16.7 | 0.2 | -2.6 | -16.7 | 1.00 | |
| | | | | | | | | 187 | -3.5 | -23.2 | 0.2 | -3.5 | -23.2 | 0.58 | |
| | | | | | | | | 194 | -2.7 | -21.5 | -0.4 | -2.7 | -21.5 | -1.22 | |
| | | | | | | | | 195 | -0.4 | -9.1 | 0.4 | -0.4 | -9.1 | 2.83 | |
| | | | | | | | | 189 | -3.7 | -13.1 | 1.0 | -3.6 | -13.2 | 6.17 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.0 | -18.4 | | | | | |
| | | | | | | | | 187 | -0.6 | -16.9 | | | | | |
| | | | | | | | | 194 | -0.6 | -19.9 | | | | | |
| | | | | | | | | 195 | -3.4 | -19.9 | | | | | |
| | | | | | | | | 189 | -3.4 | -16.9 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 263 | 1 | 3 | VERIFI-1 | Cent | -78.1 | -35.4 | 271.8 | 215.9 | -329.4 | 47.25 | | | | | |
| | | | | 189 | -57.0 | 5.2 | 252.3 | 228.3 | -280.1 | 48.52 | | | | | |
| | | | | 195 | -57.0 | -75.4 | 268.4 | 202.3 | -334.7 | 44.02 | | | | | |
| | | | | 169 | -99.5 | -75.4 | 291.3 | 204.1 | -379.0 | 46.18 | | | | | |
| | | | | 168 | -99.5 | 5.2 | 275.3 | 233.1 | -327.3 | 50.38 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 1.0 | 17.8 | -23.9 | 34.7 | -15.9 | -54.65 | |
| | | | | | | | | 189 | 4.6 | 23.3 | -24.6 | 40.3 | -12.3 | -55.42 | |
| | | | | | | | | 195 | -3.0 | 23.1 | -23.3 | 36.7 | -16.6 | -59.62 | |
| | | | | | | | | 169 | -0.6 | 11.9 | -23.1 | 29.6 | -18.3 | -52.58 | |
| | | | | | | | | 168 | 3.1 | 12.8 | -24.4 | 32.8 | -16.9 | -50.60 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 7.6 | 18.3 | | | | | |
| | | | | | | | | 189 | 10.3 | 17.1 | | | | | |
| | | | | | | | | 195 | 10.3 | 19.4 | | | | | |
| | | | | | | | | 169 | 4.8 | 19.4 | | | | | |
| | | | | | | | | 168 | 4.8 | 17.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -100.0 | -496.4 | -32.8 | -97.3 | -499.1 | -4.69 |
| | | | | | | | | 189 | -88.6 | -536.8 | 23.9 | -87.3 | -538.1 | 3.04 | |
| | | | | | | | | 195 | -88.6 | -450.9 | -64.3 | -77.6 | -461.9 | -9.77 | |
| | | | | | | | | 169 | -114.2 | -450.9 | -89.4 | -91.9 | -473.1 | -13.99 | |
| | | | | | | | | 168 | -114.2 | -536.8 | -1.3 | -114.2 | -536.8 | -0.17 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -1.6 | -5.7 | 1.4 | -1.2 | -6.2 | 17.60 | |
| | | | | | | | | 189 | -3.1 | -10.4 | 1.6 | -2.8 | -10.8 | 11.72 | |
| | | | | | | | | 195 | -0.5 | -9.3 | 0.9 | -0.4 | -9.4 | 5.80 | |
| | | | | | | | | 169 | 0.6 | -0.1 | 1.4 | 1.7 | -1.1 | 37.88 | |
| | | | | | | | | 168 | -3.6 | -3.1 | 2.1 | -1.3 | -5.4 | 48.39 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -4.2 | -13.7 | | | | | |
| | | | | | | | | 189 | -3.4 | -12.4 | | | | | |
| | | | | | | | | 195 | -3.4 | -15.0 | | | | | |
| | | | | | | | | 169 | -5.0 | -15.0 | | | | | |
| | | | | | | | | 168 | -5.0 | -12.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 264 | 1 | 3 | VERIFI-1 | Cent | -18.0 | -142.9 | 302.7 | 228.6 | -389.5 | 39.17 | | | | | |
| | | | | 193 | -11.5 | -70.0 | 283.4 | 244.2 | -325.6 | 42.06 | | | | | |
| | | | | 196 | -11.5 | -218.2 | 264.3 | 169.0 | -398.7 | 34.33 | | | | | |
| | | | | 197 | -23.2 | -218.2 | 322.0 | 215.8 | -457.1 | 36.58 | | | | | |
| | | | | 194 | -23.2 | -70.0 | 341.1 | 295.3 | -388.4 | 43.04 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 1.3 | 35.9 | -20.9 | 45.7 | -8.5 | -64.83 | |
| | | | | | | | | 193 | 13.3 | 53.3 | -17.6 | 60.0 | 6.7 | -69.28 | |
| | | | | | | | | 196 | -4.2 | 34.0 | -19.4 | 42.1 | -12.3 | -67.28 | |
| | | | | | | | | 197 | -9.2 | 21.5 | -23.9 | 34.5 | -22.3 | -61.40 | |
| | | | | | | | | 194 | 5.3 | 34.8 | -22.1 | 46.6 | -6.6 | -61.84 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 17.5 | 23.7 | | | | | |
| | | | | | | | | 193 | 18.7 | 28.3 | | | | | |
| | | | | | | | | 196 | 18.7 | 19.1 | | | | | |
| | | | | | | | | 197 | 16.3 | 19.1 | | | | | |
| | | | | | | | | 194 | 16.3 | 28.3 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -92.0 | -501.9 | -78.3 | -77.5 | -516.3 | -10.46 |
| | | | | | | | | 193 | -91.0 | -558.3 | -52.9 | -85.1 | -564.2 | -6.38 | |
| | | | | | | | | 196 | -91.0 | -448.2 | -77.6 | -74.9 | -464.3 | -11.75 | |
| | | | | | | | | 197 | -91.4 | -448.2 | -103.7 | -63.5 | -476.1 | -15.09 | |
| | | | | | | | | 194 | -91.4 | -558.3 | -79.0 | -78.4 | -571.3 | -9.35 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|-------|--------|--------|-------|--------|--------|
| | | | | | | | | Cent | -4.5 | -28.4 | -1.1 | -4.4 | -28.4 | -2.68 | |
| | | | | | | | | 193 | -7.4 | -36.9 | -1.5 | -7.3 | -37.0 | -2.84 | |
| | | | | | | | | 196 | -6.0 | -37.1 | -1.0 | -6.0 | -37.2 | -1.80 | |
| | | | | | | | | 197 | 0.5 | -17.6 | -0.5 | 0.5 | -17.7 | -1.69 | |
| | | | | | | | | 194 | -5.0 | -21.9 | -1.0 | -5.0 | -21.9 | -3.46 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -4.1 | -27.3 | | | | | |
| | | | | | | | | 193 | -1.9 | -24.3 | | | | | |
| | | | | | | | | 196 | -1.9 | -30.3 | | | | | |
| | | | | | | | | 197 | -6.3 | -30.3 | | | | | |
| | | | | | | | | 194 | -6.3 | -24.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 265 | 1 | 3 | VERIFI-1 | Cent | -28.9 | -132.9 | 320.9 | 244.1 | -406.0 | 40.40 | | | | | |
| | | | | 194 | -19.1 | -65.1 | 315.4 | 274.1 | -358.3 | 42.92 | | | | | |
| | | | | 197 | -19.1 | -200.8 | 286.9 | 191.0 | -410.9 | 36.22 | | | | | |
| | | | | 198 | -38.7 | -200.8 | 326.4 | 216.6 | -456.0 | 38.03 | | | | | |
| | | | | 195 | -38.7 | -65.1 | 354.9 | 303.2 | -407.0 | 43.94 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -4.8 | 24.6 | -26.0 | 39.8 | -20.0 | -59.74 | |
| | | | | | | | | 194 | 5.6 | 36.4 | -23.9 | 49.4 | -7.4 | -61.39 | |
| | | | | | | | | 197 | -8.1 | 27.1 | -26.1 | 41.0 | -21.9 | -62.05 | |
| | | | | | | | | 198 | -14.6 | 13.6 | -28.0 | 30.9 | -31.9 | -58.35 | |
| | | | | | | | | 195 | -2.1 | 21.2 | -25.9 | 37.9 | -18.9 | -57.13 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 15.6 | 21.6 | | | | | |
| | | | | | | | | 194 | 16.3 | 22.7 | | | | | |
| | | | | | | | | 197 | 16.3 | 20.4 | | | | | |
| | | | | | | | | 198 | 15.0 | 20.4 | | | | | |
| | | | | | | | | 195 | 15.0 | 22.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -88.8 | -461.8 | -84.1 | -70.7 | -479.8 | -12.14 |
| | | | | | | | | | 194 | -82.6 | -509.4 | -50.3 | -76.7 | -515.3 | -6.63 |
| | | | | | | | | | 197 | -82.6 | -415.9 | -91.0 | -59.4 | -439.1 | -14.32 |
| | | | | | | | | | 198 | -94.1 | -415.9 | -117.9 | -55.5 | -454.5 | -18.11 |
| | | | | | | | | | 195 | -94.1 | -509.4 | -77.2 | -80.2 | -523.3 | -10.19 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -0.3 | -13.9 | 0.4 | -0.3 | -13.9 | 1.58 | |
| | | | | | | | | 194 | -5.0 | -22.0 | -0.3 | -5.0 | -22.0 | -1.12 | |
| | | | | | | | | 197 | 0.0 | -19.9 | 0.4 | 0.0 | -19.9 | 1.26 | |
| | | | | | | | | 198 | 6.0 | -4.1 | 1.3 | 6.1 | -4.3 | 7.02 | |
| | | | | | | | | 195 | -2.3 | -9.5 | 0.5 | -2.3 | -9.5 | 3.95 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -8.1 | -22.1 | | | | | |
| | | | | | | | | 194 | -6.3 | -19.9 | | | | | |
| | | | | | | | | 197 | -6.3 | -24.2 | | | | | |
| | | | | | | | | 198 | -9.9 | -24.2 | | | | | |
| | | | | | | | | 195 | -9.9 | -19.9 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 266 | 1 | 3 | VERIFI-1 | Cent | -39.6 | -122.9 | 303.7 | 225.3 | -387.8 | 41.09 | | | | | |
| | | | | 195 | -37.4 | -66.0 | 309.0 | 257.6 | -361.0 | 43.68 | | | | | |
| | | | | 198 | -37.4 | -180.7 | 286.5 | 186.2 | -404.4 | 37.98 | | | | | |
| | | | | 170 | -41.2 | -180.7 | 298.4 | 195.4 | -417.4 | 38.42 | | | | | |
| | | | | 169 | -41.2 | -66.0 | 320.8 | 267.5 | -374.7 | 43.90 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -10.8 | 15.0 | -25.8 | 30.9 | -26.8 | -58.32 | |
| | | | | | | | | 195 | -1.7 | 23.3 | -24.4 | 38.2 | -16.6 | -58.58 | |
| | | | | | | | | 198 | -13.3 | 20.0 | -26.4 | 34.6 | -27.9 | -61.10 | |
| | | | | | | | | 170 | -16.2 | 7.2 | -26.9 | 24.8 | -33.8 | -56.75 | |
| | | | | | | | | 169 | -12.2 | 9.6 | -24.8 | 25.8 | -28.4 | -56.81 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 9.9 | 19.9 | | | | | |
| | | | | | | | | 195 | 15.0 | 19.4 | | | | | |
| | | | | | | | | 198 | 15.0 | 20.4 | | | | | |
| | | | | | | | | 170 | 4.9 | 20.4 | | | | | |
| | | | | | | | | 169 | 4.9 | 19.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -87.6 | -407.0 | -95.1 | -61.4 | -433.2 | -15.38 |
| | | | | | | | | | 195 | -83.7 | -439.5 | -51.5 | -76.4 | -446.8 | -8.07 |
| | | | | | | | | | 198 | -83.7 | -377.1 | -99.4 | -53.2 | -407.6 | -17.07 |
| | | | | | | | | | 170 | -90.0 | -377.1 | -138.7 | -34.0 | -433.1 | -22.01 |
| | | | | | | | | | 169 | -90.0 | -439.5 | -90.7 | -67.9 | -461.6 | -13.72 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|----------|-------|--------|--------|--------|--------|--------|--------|------|-------|--------|
| | | | | | | | | Cent | 3.2 | -3.1 | 1.7 | 3.6 | -3.5 | 13.88 |
| | | | | | | | | 195 | -2.4 | -9.6 | 1.0 | -2.2 | -9.8 | 8.01 |
| | | | | | | | | 198 | 5.4 | -7.0 | 1.7 | 5.6 | -7.2 | 7.60 |
| | | | | | | | | 170 | 9.2 | 4.3 | 2.3 | 10.1 | 3.4 | 21.83 |
| | | | | | | | | 169 | 0.5 | -0.1 | 1.7 | 1.9 | -1.5 | 39.87 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -10.3 | -16.2 | | | | |
| | | | | | | | | 195 | -9.9 | -15.0 | | | | |
| | | | | | | | | 198 | -9.9 | -17.5 | | | | |
| | | | | | | | | 170 | -10.7 | -17.5 | | | | |
| | | | | | | | | 169 | -10.7 | -15.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 267 | 1 | 3 | VERIFI-1 | Cent | -55.1 | -299.3 | 301.3 | 147.9 | -502.3 | 33.97 | | | | |
| | | | | 196 | -61.0 | -222.8 | 284.0 | 153.4 | -437.1 | 37.05 | | | | |
| | | | | 199 | -61.0 | -380.6 | 247.9 | 74.2 | -515.8 | 28.60 | | | | |
| | | | | 200 | -46.5 | -380.6 | 318.6 | 146.2 | -573.3 | 31.16 | | | | |
| | | | | 197 | -46.5 | -222.8 | 354.6 | 230.8 | -500.1 | 38.02 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -3.4 | 21.8 | -25.5 | 37.6 | -19.3 | -58.14 |
| | | | | | | | | 196 | 9.2 | 36.7 | -21.3 | 48.3 | -2.4 | -61.43 |
| | | | | | | | | 199 | -7.2 | 16.2 | -24.8 | 31.9 | -22.9 | -57.58 |
| | | | | | | | | 200 | -14.3 | 11.1 | -29.4 | 30.4 | -33.6 | -56.66 |
| | | | | | | | | 197 | -1.4 | 23.1 | -25.8 | 39.4 | -17.8 | -57.69 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 15.5 | 12.6 | | | | |
| | | | | | | | | 196 | 16.8 | 19.1 | | | | |
| | | | | | | | | 199 | 16.8 | 6.1 | | | | |
| | | | | | | | | 200 | 14.3 | 6.1 | | | | |
| | | | | | | | | 197 | 14.3 | 19.1 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | -73.8 | -405.6 | -88.6 | -51.6 | -427.8 | -14.05 | | | |
| | | | | | 196 | -72.8 | -446.5 | -68.4 | -60.6 | -458.6 | -10.05 | | | |
| | | | | | 199 | -72.8 | -365.8 | -81.4 | -51.7 | -386.9 | -14.52 | | | |
| | | | | | 200 | -74.2 | -365.8 | -108.8 | -38.1 | -401.9 | -18.36 | | | |
| | | | | | 197 | -74.2 | -446.5 | -95.8 | -51.0 | -469.7 | -13.62 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -0.6 | -25.3 | 0.7 | -0.6 | -25.4 | 1.69 |
| | | | | | | | | 196 | -7.5 | -37.4 | -0.6 | -7.5 | -37.4 | -1.09 |
| | | | | | | | | 199 | -1.7 | -35.3 | 1.3 | -1.6 | -35.3 | 2.15 |
| | | | | | | | | 200 | 9.4 | -10.4 | 2.4 | 9.7 | -10.7 | 6.70 |
| | | | | | | | | 197 | -2.5 | -18.2 | 0.5 | -2.5 | -18.3 | 1.93 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -10.8 | -34.0 | | | | |
| | | | | | | | | 196 | -7.5 | -30.3 | | | | |
| | | | | | | | | 199 | -7.5 | -37.7 | | | | |
| | | | | | | | | 200 | -14.2 | -37.7 | | | | |
| | | | | | | | | 197 | -14.2 | -30.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 268 | 1 | 3 | VERIFI-1 | Cent | -31.4 | -269.0 | 314.7 | 186.1 | -486.5 | 34.66 | | | | |
| | | | | 197 | -38.1 | -198.8 | 319.5 | 211.0 | -447.9 | 37.94 | | | | |
| | | | | 200 | -38.1 | -341.2 | 267.9 | 118.1 | -497.4 | 30.25 | | | | |
| | | | | 201 | -23.6 | -341.2 | 309.8 | 165.7 | -530.5 | 31.43 | | | | |
| | | | | 198 | -23.6 | -198.8 | 361.5 | 260.7 | -483.2 | 38.19 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -12.2 | 16.2 | -31.6 | 36.6 | -32.7 | -57.12 |
| | | | | | | | | 197 | -0.3 | 28.7 | -28.0 | 45.7 | -17.4 | -58.69 |
| | | | | | | | | 200 | -13.2 | 16.2 | -32.3 | 37.0 | -34.0 | -57.26 |
| | | | | | | | | 201 | -23.4 | 5.7 | -35.0 | 29.1 | -46.8 | -56.30 |
| | | | | | | | | 198 | -12.0 | 14.1 | -30.8 | 34.5 | -32.3 | -56.51 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 13.8 | 17.2 | | | | |
| | | | | | | | | 197 | 14.3 | 20.4 | | | | |
| | | | | | | | | 200 | 14.3 | 14.1 | | | | |
| | | | | | | | | 201 | 13.4 | 14.1 | | | | |
| | | | | | | | | 198 | 13.4 | 20.4 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | -72.6 | -380.3 | -108.3 | -38.3 | -414.6 | -17.57 | | | |
| | | | | | 197 | -69.4 | -413.2 | -83.1 | -50.3 | -432.3 | -12.90 | | | |
| | | | | | 200 | -69.4 | -348.8 | -103.8 | -35.0 | -383.1 | -18.31 | | | |
| | | | | | 201 | -75.2 | -348.8 | -133.5 | -20.8 | -403.1 | -22.15 | | | |
| | | | | | 198 | -75.2 | -413.2 | -112.8 | -41.0 | -447.4 | -16.86 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | Cent | 6.8 | -9.5 | 3.4 | 7.5 | -10.2 | 11.16 | |
| | | | | | | | | 197 | -3.0 | -20.5 | 1.6 | -2.8 | -20.6 | 5.23 | |
| | | | | | | | | 200 | 8.4 | -15.7 | 4.1 | 9.0 | -16.4 | 9.40 | |
| | | | | | | | | 201 | 18.2 | 2.7 | 5.3 | 19.9 | 1.1 | 17.01 | |
| | | | | | | | | 198 | 3.8 | -4.6 | 2.8 | 4.6 | -5.4 | 16.91 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -16.0 | -25.8 | | | | | |
| | | | | | | | | 197 | -14.2 | -24.2 | | | | | |
| | | | | | | | | 200 | -14.2 | -27.3 | | | | | |
| | | | | | | | | 201 | -17.9 | -27.3 | | | | | |
| | | | | | | | | 198 | -17.9 | -24.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 269 | 1 | 3 | VERIFI-1 | Cent | -2.6 | -235.9 | 301.6 | 204.1 | -442.6 | 34.43 | | | | | |
| | | | | 198 | -15.9 | -173.5 | 321.5 | 236.4 | -425.7 | 38.11 | | | | | |
| | | | | 201 | -15.9 | -299.1 | 269.7 | 147.2 | -462.1 | 31.15 | | | | | |
| | | | | 171 | 11.1 | -299.1 | 281.6 | 177.5 | -465.5 | 30.58 | | | | | |
| | | | | 170 | 11.1 | -173.5 | 333.4 | 264.8 | -427.2 | 37.26 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -23.3 | 9.8 | -32.7 | 29.9 | -43.4 | -58.43 | |
| | | | | | | | | 198 | -10.7 | 20.5 | -29.0 | 37.9 | -28.1 | -59.13 | |
| | | | | | | | | 201 | -21.7 | 14.3 | -34.7 | 35.4 | -42.8 | -58.71 | |
| | | | | | | | | 171 | -33.0 | -0.5 | -36.1 | 22.9 | -56.4 | -57.11 | |
| | | | | | | | | 170 | -27.9 | 4.8 | -30.5 | 23.0 | -46.1 | -59.13 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 9.5 | 20.6 | | | | | |
| | | | | | | | | 198 | 13.4 | 20.4 | | | | | |
| | | | | | | | | 201 | 13.4 | 20.9 | | | | | |
| | | | | | | | | 171 | 5.5 | 20.9 | | | | | |
| | | | | | | | | 170 | 5.5 | 20.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -70.2 | -349.8 | -124.2 | -23.0 | -397.0 | -20.80 |
| | | | | | | | | 198 | -69.4 | -374.6 | -94.4 | -42.6 | -401.4 | -15.86 | |
| | | | | | | | | 201 | -69.4 | -326.7 | -119.4 | -22.5 | -373.5 | -21.43 | |
| | | | | | | | | 171 | -70.1 | -326.7 | -154.0 | 2.0 | -398.8 | -25.10 | |
| | | | | | | | | 170 | -70.1 | -374.6 | -128.9 | -22.8 | -421.8 | -20.13 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 13.8 | 1.0 | 4.7 | 15.3 | -0.5 | 18.33 | |
| | | | | | | | | 198 | 3.2 | -7.4 | 3.2 | 4.1 | -8.3 | 15.56 | |
| | | | | | | | | 201 | 17.1 | -3.2 | 5.6 | 18.5 | -4.6 | 14.48 | |
| | | | | | | | | 171 | 24.7 | 10.2 | 6.3 | 27.1 | 7.9 | 20.63 | |
| | | | | | | | | 170 | 10.1 | 4.5 | 3.9 | 12.2 | 2.5 | 27.16 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -18.1 | -18.7 | | | | | |
| | | | | | | | | 198 | -17.9 | -17.5 | | | | | |
| | | | | | | | | 201 | -17.9 | -19.8 | | | | | |
| | | | | | | | | 171 | -18.4 | -19.8 | | | | | |
| | | | | | | | | 170 | -18.4 | -17.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 270 | 1 | 3 | VERIFI-1 | Cent | -76.2 | -480.6 | 273.7 | 61.9 | -618.7 | 26.77 | | | | | |
| | | | | 199 | -87.7 | -385.7 | 278.6 | 79.3 | -552.7 | 30.93 | | | | | |
| | | | | 202 | -87.7 | -579.5 | 190.3 | -22.7 | -644.5 | 18.87 | | | | | |
| | | | | 203 | -62.4 | -579.5 | 268.7 | 51.9 | -693.9 | 23.05 | | | | | |
| | | | | 200 | -62.4 | -385.7 | 357.1 | 167.9 | -616.1 | 32.82 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -7.2 | 12.5 | -19.5 | 24.5 | -19.1 | -58.43 | |
| | | | | | | | | 199 | 1.4 | 17.9 | -16.6 | 28.1 | -8.9 | -58.23 | |
| | | | | | | | | 202 | -14.0 | -13.8 | -19.6 | 5.7 | -33.5 | -45.16 | |
| | | | | | | | | 203 | -9.5 | 33.3 | -20.8 | 41.8 | -18.0 | -67.91 | |
| | | | | | | | | 200 | -6.6 | 12.6 | -17.8 | 23.2 | -17.3 | -59.19 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 11.0 | -35.5 | | | | | |
| | | | | | | | | 199 | 12.4 | 6.1 | | | | | |
| | | | | | | | | 202 | 12.4 | -77.0 | | | | | |
| | | | | | | | | 203 | 9.7 | -77.0 | | | | | |
| | | | | | | | | 200 | 9.7 | 6.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -45.4 | -319.9 | -82.5 | -22.6 | -342.7 | -15.50 |
| | | | | | | | | 199 | -44.5 | -361.0 | -74.6 | -27.8 | -377.7 | -12.61 | |
| | | | | | | | | 202 | -44.5 | -279.1 | -66.7 | -26.8 | -296.8 | -14.82 | |
| | | | | | | | | 203 | -46.2 | -279.1 | -90.4 | -15.3 | -310.1 | -18.90 | |
| | | | | | | | | 200 | -46.2 | -361.0 | -98.2 | -18.1 | -389.1 | -15.98 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | Cent | 11.5 | -21.2 | 4.1 | 12.0 | -21.7 | 7.09 | |
| | | | | | | | | 199 | -4.8 | -35.9 | 2.2 | -4.7 | -36.1 | 4.00 | |
| | | | | | | | | 202 | 16.5 | -27.6 | 5.8 | 17.2 | -28.4 | 7.39 | |
| | | | | | | | | 203 | 27.8 | -10.2 | 5.9 | 28.7 | -11.1 | 8.67 | |
| | | | | | | | | 200 | 6.7 | -11.0 | 2.3 | 7.0 | -11.3 | 7.28 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -27.8 | -31.5 | | | | | |
| | | | | | | | | 199 | -26.9 | -37.7 | | | | | |
| | | | | | | | | 202 | -26.9 | -25.3 | | | | | |
| | | | | | | | | 203 | -28.7 | -25.3 | | | | | |
| | | | | | | | | 200 | -28.7 | -37.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 271 | 1 | 3 | VERIFI-1 | Cent | -29.5 | -424.6 | 280.3 | 115.9 | -570.0 | 27.41 | | | | | |
| | | | | 200 | -48.2 | -342.6 | 306.3 | 144.4 | -535.3 | 32.17 | | | | | |
| | | | | 203 | -48.2 | -507.0 | 214.1 | 36.1 | -591.4 | 21.51 | | | | | |
| | | | | 204 | -10.5 | -507.0 | 254.2 | 96.6 | -614.1 | 22.84 | | | | | |
| | | | | 201 | -10.5 | -342.6 | 346.5 | 207.7 | -560.8 | 32.20 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -15.6 | 10.7 | -24.9 | 25.6 | -30.6 | -58.94 | |
| | | | | | | | | 200 | -5.6 | 17.7 | -21.1 | 30.2 | -18.1 | -59.47 | |
| | | | | | | | | 203 | -19.4 | -16.2 | -26.3 | 8.5 | -44.1 | -46.77 | |
| | | | | | | | | 204 | -18.6 | 34.5 | -26.9 | 45.7 | -29.8 | -67.34 | |
| | | | | | | | | 201 | -18.9 | 6.6 | -21.7 | 19.0 | -31.3 | -60.25 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 8.4 | -35.1 | | | | | |
| | | | | | | | | 200 | 9.7 | 14.1 | | | | | |
| | | | | | | | | 203 | 9.7 | -84.2 | | | | | |
| | | | | | | | | 204 | 7.2 | -84.2 | | | | | |
| | | | | | | | | 201 | 7.2 | 14.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -47.7 | -317.1 | -105.2 | -11.5 | -353.3 | -19.00 |
| | | | | | | | | 200 | -46.8 | -343.3 | -93.2 | -19.9 | -370.2 | -16.07 | |
| | | | | | | | | 203 | -46.8 | -292.6 | -89.8 | -17.5 | -321.9 | -18.08 | |
| | | | | | | | | 204 | -47.7 | -292.6 | -117.2 | -0.6 | -339.7 | -21.87 | |
| | | | | | | | | 201 | -47.7 | -343.3 | -120.6 | -4.8 | -386.3 | -19.60 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 21.9 | -5.8 | 5.9 | 23.1 | -7.0 | 11.47 | |
| | | | | | | | | 200 | 5.6 | -16.2 | 4.1 | 6.4 | -17.0 | 10.31 | |
| | | | | | | | | 203 | 28.5 | -6.4 | 7.8 | 30.2 | -8.0 | 12.10 | |
| | | | | | | | | 204 | 36.5 | -2.9 | 7.2 | 37.7 | -4.2 | 9.99 | |
| | | | | | | | | 201 | 16.8 | 2.4 | 3.4 | 17.6 | 1.6 | 12.73 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -28.5 | -15.2 | | | | | |
| | | | | | | | | 200 | -28.7 | -27.3 | | | | | |
| | | | | | | | | 203 | -28.7 | -3.1 | | | | | |
| | | | | | | | | 204 | -28.4 | -3.1 | | | | | |
| | | | | | | | | 201 | -28.4 | -27.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 272 | 1 | 3 | VERIFI-1 | Cent | 28.9 | -364.2 | 268.0 | 164.7 | -500.0 | 26.87 | | | | | |
| | | | | 201 | 1.0 | -292.4 | 306.4 | 194.1 | -485.4 | 32.21 | | | | | |
| | | | | 204 | 1.0 | -437.2 | 220.0 | 92.4 | -528.5 | 22.56 | | | | | |
| | | | | 11 | 57.3 | -437.2 | 229.6 | 147.5 | -527.3 | 21.44 | | | | | |
| | | | | 171 | 57.3 | -292.4 | 316.0 | 243.7 | -478.7 | 30.52 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -32.5 | 5.3 | -28.1 | 20.3 | -47.5 | -61.97 | |
| | | | | | | | | 201 | -17.2 | 15.2 | -21.5 | 25.9 | -27.9 | -63.49 | |
| | | | | | | | | 204 | -29.7 | -21.3 | -32.3 | 7.1 | -58.1 | -48.72 | |
| | | | | | | | | 11 | -39.4 | 30.1 | -32.7 | 43.0 | -52.4 | -68.36 | |
| | | | | | | | | 171 | -43.7 | -2.6 | -21.9 | 6.8 | -53.1 | -66.58 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 5.2 | -34.0 | | | | | |
| | | | | | | | | 201 | 7.2 | 20.9 | | | | | |
| | | | | | | | | 204 | 7.2 | -88.8 | | | | | |
| | | | | | | | | 11 | 3.1 | -88.8 | | | | | |
| | | | | | | | | 171 | 3.1 | 20.9 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -51.2 | -311.5 | -128.6 | 1.6 | -364.3 | -22.33 |
| | | | | | | | | 201 | -47.4 | -321.7 | -106.5 | -10.9 | -358.2 | -18.91 | |
| | | | | | | | | 204 | -47.4 | -304.0 | -115.9 | -2.9 | -348.6 | -21.04 | |
| | | | | | | | | 11 | -53.4 | -304.0 | -150.7 | 17.3 | -374.7 | -25.13 | |
| | | | | | | | | 171 | -53.4 | -321.7 | -141.3 | 7.3 | -382.4 | -23.25 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|--------|--------|--------|--------|
| | | | | Cent | 32.5 | 4.5 | 6.1 | 33.8 | 3.2 | 11.81 | |
| | | | | 201 | 15.6 | -3.5 | 3.8 | 16.4 | -4.2 | 10.88 | |
| | | | | 204 | 38.7 | 8.1 | 8.8 | 41.0 | 5.8 | 14.97 | |
| | | | | 11 | 47.2 | 2.3 | 7.9 | 48.6 | 1.0 | 9.66 | |
| | | | | 171 | 28.5 | 11.0 | 2.9 | 29.0 | 10.5 | 9.12 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -28.2 | -3.7 | | | | | |
| | | | | 201 | -28.4 | -19.8 | | | | | |
| | | | | 204 | -28.4 | 12.5 | | | | | |
| | | | | 11 | -28.0 | 12.5 | | | | | |
| | | | | 171 | -28.0 | -19.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 285 | 1 | 1 | VERIFI-1 | Cent | -12.1 | -737.8 | -13.9 | -11.9 | -738.1 | -1.10 | |
| | | | | 110 | -10.8 | -765.7 | -14.9 | -10.5 | -766.0 | -1.13 | |
| | | | | 245 | -10.8 | -707.9 | -69.0 | -4.0 | -714.7 | -5.60 | |
| | | | | 341 | -14.9 | -707.9 | -12.9 | -14.6 | -708.1 | -1.07 | |
| | | | | 111 | -14.9 | -765.7 | 41.1 | -12.6 | -768.0 | 3.12 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 25.8 | 156.7 | 52.7 | 175.3 | 7.2 | 70.58 | |
| | | | | 110 | -18.2 | 105.3 | 45.3 | 120.1 | -33.0 | 71.87 | |
| | | | | 245 | 57.2 | 192.3 | 49.8 | 208.6 | 40.8 | 71.82 | |
| | | | | 341 | 52.8 | 150.7 | 56.3 | 176.4 | 27.1 | 65.50 | |
| | | | | 111 | 11.5 | 178.6 | 51.9 | 193.4 | -3.3 | 74.08 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -77.1 | -22.2 | | | | | |
| | | | | 110 | -85.2 | -112.2 | | | | | |
| | | | | 245 | -85.2 | 67.9 | | | | | |
| | | | | 341 | -68.9 | 67.9 | | | | | |
| | | | | 111 | -68.9 | -112.2 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -29.7 | -331.8 | -85.5 | -7.2 | -354.3 | -14.75 |
| | | | | | 110 | -30.4 | -294.0 | -47.1 | -22.3 | -302.2 | -9.84 |
| | | | | | 245 | -30.4 | -368.2 | -98.8 | -3.6 | -394.9 | -15.17 |
| | | | | | 341 | -29.9 | -368.2 | -123.8 | 10.6 | -408.6 | -18.10 |
| | | | | | 111 | -29.9 | -294.0 | -72.1 | -11.5 | -312.5 | -14.32 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -8.6 | -24.4 | 0.4 | -8.6 | -24.4 | 1.60 | |
| | | | | 110 | -11.6 | -27.0 | 0.7 | -11.6 | -27.0 | 2.77 | |
| | | | | 245 | -2.6 | -20.8 | -0.6 | -2.6 | -20.8 | -1.79 | |
| | | | | 341 | -5.2 | -24.6 | 0.0 | -5.2 | -24.6 | 0.13 | |
| | | | | 111 | -15.0 | -25.4 | 1.4 | -14.8 | -25.6 | 7.29 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -12.8 | 0.9 | | | | | |
| | | | | 110 | -11.4 | -3.7 | | | | | |
| | | | | 245 | -11.4 | 5.5 | | | | | |
| | | | | 341 | -14.1 | 5.5 | | | | | |
| | | | | 111 | -14.1 | -3.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 286 | 1 | 1 | VERIFI-1 | Cent | 7.1 | -620.9 | 18.8 | 7.6 | -621.4 | 1.72 | |
| | | | | 111 | 10.5 | -611.0 | 23.6 | 11.4 | -611.9 | 2.17 | |
| | | | | 341 | 10.5 | -626.7 | -18.1 | 11.0 | -627.2 | -1.63 | |
| | | | | 357 | 0.8 | -626.7 | 14.0 | 1.2 | -627.0 | 1.28 | |
| | | | | 112 | 0.8 | -611.0 | 55.8 | 5.9 | -616.1 | 5.17 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 27.4 | 113.4 | 73.8 | 155.8 | -15.0 | 60.11 | |
| | | | | 111 | -16.2 | 40.1 | 67.2 | 84.8 | -60.9 | 56.36 | |
| | | | | 341 | 48.7 | 130.2 | 72.4 | 172.5 | 6.3 | 59.69 | |
| | | | | 357 | 45.2 | 112.2 | 75.3 | 161.1 | -3.7 | 57.00 | |
| | | | | 112 | 32.0 | 170.9 | 70.1 | 200.1 | 2.8 | 67.37 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -52.8 | -86.5 | | | | | |
| | | | | 111 | -68.9 | -201.9 | | | | | |
| | | | | 341 | -68.9 | 28.8 | | | | | |
| | | | | 357 | -36.7 | 28.8 | | | | | |
| | | | | 112 | -36.7 | -201.9 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -16.0 | -280.7 | -83.8 | 8.2 | -305.0 | -16.17 |
| | | | | | 111 | -18.3 | -225.9 | -53.0 | -5.5 | -238.6 | -13.51 |
| | | | | | 341 | -18.3 | -332.6 | -93.1 | 7.2 | -358.1 | -15.31 |
| | | | | | 357 | -15.8 | -332.6 | -114.6 | 21.3 | -369.7 | -17.94 |
| | | | | | 112 | -15.8 | -225.9 | -74.5 | 8.0 | -249.6 | -17.67 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | Cent | -10.7 | -26.5 | 1.8 | -10.5 | -26.7 | 6.40 | |
| | | | | | | | 111 | -16.4 | -32.4 | 1.5 | -16.2 | -32.5 | 5.26 | |
| | | | | | | | 341 | -5.2 | -24.6 | 1.2 | -5.2 | -24.7 | 3.59 | |
| | | | | | | | 357 | -6.0 | -24.5 | 1.9 | -5.8 | -24.7 | 5.65 | |
| | | | | | | | 112 | -15.1 | -24.3 | 2.1 | -14.7 | -24.8 | 12.35 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -13.8 | -6.7 | | | | | |
| | | | | | | | 111 | -14.1 | -13.0 | | | | | |
| | | | | | | | 341 | -14.1 | -0.4 | | | | | |
| | | | | | | | 357 | -13.5 | -0.4 | | | | | |
| | | | | | | | 112 | -13.5 | -13.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 287 | 1 | 1 | VERIFI-1 | Cent | 14.4 | -516.0 | 28.7 | 16.0 | -517.5 | 3.09 | | | | |
| | | | | 112 | 20.6 | -487.4 | 35.2 | 23.0 | -489.8 | 3.95 | | | | |
| | | | | 357 | 20.6 | -541.8 | 8.3 | 20.7 | -542.0 | 0.84 | | | | |
| | | | | 261 | 6.4 | -541.8 | 22.2 | 7.3 | -542.7 | 2.31 | | | | |
| | | | | 8 | 6.4 | -487.4 | 49.1 | 11.2 | -492.2 | 5.63 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 34.9 | 83.0 | 91.3 | 153.4 | -35.5 | 52.37 | |
| | | | | | | | 112 | -3.8 | -8.2 | 84.3 | 78.3 | -90.3 | 44.26 | |
| | | | | | | | 357 | 39.7 | 84.8 | 91.9 | 156.9 | -32.4 | 51.90 | |
| | | | | | | | 261 | 44.0 | 85.0 | 92.3 | 159.0 | -30.1 | 51.27 | |
| | | | | | | | 8 | 59.9 | 170.3 | 84.7 | 216.2 | 14.0 | 61.55 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -19.2 | -137.6 | | | | | |
| | | | | | | | 112 | -36.7 | -276.3 | | | | | |
| | | | | | | | 357 | -36.7 | 1.1 | | | | | |
| | | | | | | | 261 | -1.7 | 1.1 | | | | | |
| | | | | | | | 8 | -1.7 | -276.3 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -7.8 | -241.2 | -89.9 | 22.8 | -271.8 | -18.81 |
| | | | | | | | | 112 | -8.6 | -179.9 | -66.5 | 14.2 | -202.7 | -18.92 |
| | | | | | | | | 357 | -8.6 | -300.4 | -95.4 | 19.8 | -328.8 | -16.59 |
| | | | | | | | | 261 | -8.5 | -300.4 | -113.3 | 30.3 | -339.2 | -18.91 |
| | | | | | | | | 8 | -8.5 | -179.9 | -84.4 | 26.1 | -214.5 | -22.28 |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -10.3 | -25.4 | 3.2 | -9.6 | -26.1 | 11.48 | |
| | | | | | | | 112 | -16.9 | -33.1 | 2.7 | -16.4 | -33.5 | 9.28 | |
| | | | | | | | 357 | -6.2 | -25.8 | 3.2 | -5.7 | -26.3 | 8.93 | |
| | | | | | | | 261 | -5.2 | -22.6 | 3.4 | -4.5 | -23.2 | 10.57 | |
| | | | | | | | 8 | -12.8 | -20.1 | 2.9 | -11.8 | -21.2 | 19.42 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -12.8 | -12.6 | | | | | |
| | | | | | | | 112 | -13.5 | -20.3 | | | | | |
| | | | | | | | 357 | -13.5 | -5.0 | | | | | |
| | | | | | | | 261 | -12.0 | -5.0 | | | | | |
| | | | | | | | 8 | -12.0 | -20.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 288 | 1 | 1 | VERIFI-1 | Cent | -119.2 | -535.2 | -8.3 | -119.1 | -535.4 | -1.15 | | | | |
| | | | | 217 | -119.8 | -535.5 | -16.9 | -119.2 | -536.2 | -2.32 | | | | |
| | | | | 220 | -119.8 | -534.8 | 7.2 | -119.7 | -534.9 | 0.99 | | | | |
| | | | | 221 | -122.5 | -534.8 | 0.2 | -122.5 | -534.8 | 0.03 | | | | |
| | | | | 218 | -122.5 | -535.5 | -23.8 | -121.1 | -536.9 | -3.29 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 126.0 | 650.8 | -2.8 | 650.8 | 126.0 | -89.69 | |
| | | | | | | | 217 | 144.1 | 732.4 | -2.1 | 732.4 | 144.1 | -89.80 | |
| | | | | | | | 220 | 143.1 | 731.2 | -2.7 | 731.2 | 143.1 | -89.74 | |
| | | | | | | | 221 | 107.8 | 569.3 | -3.5 | 569.3 | 107.8 | -89.57 | |
| | | | | | | | 218 | 108.9 | 570.4 | -2.9 | 570.4 | 108.8 | -89.64 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 2.8 | 258.2 | | | | | |
| | | | | | | | 217 | 2.7 | 258.3 | | | | | |
| | | | | | | | 220 | 2.7 | 258.1 | | | | | |
| | | | | | | | 221 | 2.9 | 258.1 | | | | | |
| | | | | | | | 218 | 2.9 | 258.3 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -113.6 | -532.4 | 27.9 | -111.7 | -534.3 | 3.80 |
| | | | | | | | | 217 | -115.3 | -533.4 | 16.5 | -114.6 | -534.0 | 2.26 |
| | | | | | | | | 220 | -115.3 | -531.4 | 37.5 | -111.9 | -534.8 | 5.11 |
| | | | | | | | | 221 | -114.6 | -531.4 | 39.3 | -111.0 | -535.1 | 5.34 |
| | | | | | | | | 218 | -114.6 | -533.4 | 18.4 | -113.8 | -534.2 | 2.51 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 220 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 218 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 220 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 218 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 289 | 1 | 1 | VERIFI-1 | Cent | -120.4 | -504.6 | -7.1 | -120.3 | -504.7 | -1.05 |
| ----- | | | | | | | | | | |
| 218 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 219 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 218 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 219 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 218 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 219 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -112.0 | -503.3 | 27.1 | -110.1 | -505.1 | 3.94 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 218 | -111.3 | -504.2 | 14.6 | -110.8 | -504.7 | 2.13 |
| ----- | | | | | | | | | | |
| | | | | 221 | -111.3 | -502.3 | 38.8 | -107.5 | -506.1 | 5.61 |
| ----- | | | | | | | | | | |
| | | | | 222 | -112.8 | -502.3 | 39.6 | -108.8 | -506.3 | 5.74 |
| ----- | | | | | | | | | | |
| | | | | 219 | -112.8 | -504.2 | 15.4 | -112.2 | -504.8 | 2.25 |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 218 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 219 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 218 | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 219 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 290 | 1 | 1 | VERIFI-1 | Cent | -119.0 | -470.7 | -5.3 | -118.9 | -470.7 | -0.87 |
| ----- | | | | | | | | | | |
| 219 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 219 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 219 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -108.7 | -470.5 | 26.0 | -106.9 | -472.4 | 4.09 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 219 | -107.0 | -471.5 | 14.5 | -106.4 | -472.1 | 2.27 |
| ----- | | | | | | | | | | |
| | | | | 222 | -107.0 | -469.5 | 38.1 | -103.0 | -473.5 | 5.93 |
| ----- | | | | | | | | | | |
| | | | | 10 | -110.0 | -469.5 | 37.5 | -106.1 | -473.4 | 5.90 |
| ----- | | | | | | | | | | |
| | | | | 9 | -110.0 | -471.5 | 13.9 | -109.4 | -472.0 | 2.20 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | | | | | Cent | -3.1 | -6.4 | -2.4 | -1.9 | -7.7 | -27.54 | |
| | | | | | | | | 219 | -2.5 | -6.3 | -2.2 | -1.5 | -7.3 | -24.48 | |
| | | | | | | | | 222 | -3.0 | -6.7 | -2.3 | -1.9 | -7.8 | -25.66 | |
| | | | | | | | | 10 | -3.7 | -6.5 | -2.6 | -2.2 | -8.0 | -30.53 | |
| | | | | | | | | 9 | -3.3 | -6.2 | -2.4 | -1.9 | -7.5 | -29.50 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.2 | -0.5 | | | | | |
| | | | | | | | | 219 | 1.3 | -0.5 | | | | | |
| | | | | | | | | 222 | 1.3 | -0.6 | | | | | |
| | | | | | | | | 10 | 1.2 | -0.6 | | | | | |
| | | | | | | | | 9 | 1.2 | -0.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 291 | 1 | 1 | VERIFI-1 | Cent | -120.8 | -536.1 | -13.7 | -120.4 | -536.5 | -1.88 | | | | | |
| | | | | 220 | -117.0 | -532.8 | 2.3 | -117.0 | -532.8 | 0.32 | | | | | |
| | | | | 420 | -117.0 | -540.4 | -16.9 | -116.4 | -541.0 | -2.29 | | | | | |
| | | | | 510 | -124.2 | -540.4 | -29.6 | -122.1 | -542.5 | -4.05 | | | | | |
| | | | | 221 | -124.2 | -532.8 | -10.4 | -124.0 | -533.0 | -1.46 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 125.1 | 648.1 | -4.9 | 648.1 | 125.1 | -89.47 | |
| | | | | | | | | 220 | 145.2 | 731.6 | -3.4 | 731.6 | 145.2 | -89.67 | |
| | | | | | | | | 420 | 140.5 | 726.3 | -5.0 | 726.4 | 140.5 | -89.51 | |
| | | | | | | | | 510 | 104.8 | 564.6 | -6.4 | 564.7 | 104.7 | -89.20 | |
| | | | | | | | | 221 | 109.9 | 569.7 | -4.7 | 569.7 | 109.9 | -89.41 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 5.0 | 257.9 | | | | | |
| | | | | | | | | 220 | 4.7 | 258.1 | | | | | |
| | | | | | | | | 420 | 4.7 | 257.7 | | | | | |
| | | | | | | | | 510 | 5.4 | 257.7 | | | | | |
| | | | | | | | | 221 | 5.4 | 258.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -113.0 | -530.5 | 24.2 | -111.6 | -531.9 | 3.30 |
| | | | | | | | | 220 | -111.3 | -529.1 | 34.5 | -108.4 | -531.9 | 4.68 | |
| | | | | | | | | 420 | -111.3 | -533.2 | 16.0 | -110.7 | -533.8 | 2.17 | |
| | | | | | | | | 510 | -114.2 | -533.2 | 13.8 | -113.8 | -533.6 | 1.89 | |
| | | | | | | | | 221 | -114.2 | -529.1 | 32.3 | -111.7 | -531.6 | 4.43 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.4 | -8.5 | -1.6 | -2.1 | -8.9 | -13.61 | |
| | | | | | | | | 220 | -1.5 | -7.6 | -1.2 | -1.2 | -7.9 | -10.80 | |
| | | | | | | | | 420 | -2.9 | -9.3 | -1.5 | -2.6 | -9.7 | -12.36 | |
| | | | | | | | | 510 | -3.4 | -9.4 | -1.9 | -2.9 | -9.9 | -16.47 | |
| | | | | | | | | 221 | -1.9 | -7.8 | -1.7 | -1.5 | -8.2 | -14.73 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.5 | -0.0 | | | | | |
| | | | | | | | | 220 | 1.4 | 0.1 | | | | | |
| | | | | | | | | 420 | 1.4 | -0.1 | | | | | |
| | | | | | | | | 510 | 1.6 | -0.1 | | | | | |
| | | | | | | | | 221 | 1.6 | 0.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 292 | 1 | 1 | VERIFI-1 | Cent | -120.6 | -507.1 | -15.2 | -120.0 | -507.7 | -2.24 | | | | | |
| | | | | 221 | -118.3 | -502.8 | 0.8 | -118.3 | -502.8 | 0.11 | | | | | |
| | | | | 510 | -118.3 | -512.1 | -20.6 | -117.2 | -513.2 | -2.99 | | | | | |
| | | | | 525 | -122.6 | -512.1 | -31.1 | -120.1 | -514.6 | -4.54 | | | | | |
| | | | | 222 | -122.6 | -502.8 | -9.7 | -122.3 | -503.1 | -1.46 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 91.9 | 500.8 | -7.2 | 500.9 | 91.8 | -88.99 | |
| | | | | | | | | 221 | 110.6 | 573.1 | -5.5 | 573.2 | 110.5 | -89.32 | |
| | | | | | | | | 510 | 105.5 | 568.3 | -7.8 | 568.5 | 105.4 | -89.03 | |
| | | | | | | | | 525 | 73.3 | 428.6 | -9.0 | 428.8 | 73.0 | -88.56 | |
| | | | | | | | | 222 | 78.2 | 433.0 | -6.6 | 433.1 | 78.0 | -88.93 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 5.3 | 222.4 | | | | | |
| | | | | | | | | 221 | 5.4 | 222.7 | | | | | |
| | | | | | | | | 510 | 5.4 | 222.1 | | | | | |
| | | | | | | | | 525 | 5.2 | 222.1 | | | | | |
| | | | | | | | | 222 | 5.2 | 222.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -109.5 | -503.3 | 20.2 | -108.4 | -504.3 | 2.93 |
| | | | | | | | | 221 | -108.7 | -500.6 | 31.8 | -106.1 | -503.2 | 4.61 | |
| | | | | | | | | 510 | -108.7 | -507.0 | 9.7 | -108.4 | -507.2 | 1.40 | |
| | | | | | | | | 525 | -109.8 | -507.0 | 8.7 | -109.6 | -507.2 | 1.25 | |
| | | | | | | | | 222 | -109.8 | -500.6 | 30.7 | -107.4 | -503.0 | 4.47 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|--------|--------|--------|--------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 510 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 221 | | | | | | | | | | |
| 510 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 222 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 293 | 1 | 1 | VERIFI-1 | Cent | -118.4 | -473.9 | -17.7 | -117.5 | -474.8 | -2.84 |
| ----- | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 435 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 435 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 435 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -104.9 | -471.5 | 14.6 | -104.3 | -472.1 | 2.27 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 222 | -103.9 | -467.1 | 29.3 | -101.6 | -469.4 | 4.58 |
| ----- | | | | | | | | | | |
| | | | | 525 | -103.9 | -477.5 | 1.5 | -103.9 | -477.5 | 0.23 |
| ----- | | | | | | | | | | |
| | | | | 435 | -105.1 | -477.5 | -0.1 | -105.1 | -477.5 | -0.01 |
| ----- | | | | | | | | | | |
| | | | | 10 | -105.1 | -467.1 | 27.6 | -103.0 | -469.2 | 4.34 |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 435 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 222 | | | | | | | | | | |
| 525 | | | | | | | | | | |
| 435 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 303 | 1 | 1 | VERIFI-1 | Cent | -118.5 | -703.8 | -98.2 | -102.5 | -719.8 | -9.27 |
| ----- | | | | | | | | | | |
| 229 | | | | | | | | | | |
| 230 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 245 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 229 | | | | | | | | | | |
| 230 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 245 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 229 | | | | | | | | | | |
| 230 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 245 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -73.8 | -409.8 | -112.2 | -39.8 | -443.8 | -16.86 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 229 | -83.1 | -388.8 | -109.0 | -48.2 | -423.7 | -17.74 |
| ----- | | | | | | | | | | |
| | | | | 230 | -83.1 | -432.0 | -102.7 | -55.1 | -459.9 | -15.24 |
| ----- | | | | | | | | | | |
| | | | | 246 | -63.7 | -432.0 | -115.4 | -30.6 | -465.1 | -16.03 |
| ----- | | | | | | | | | | |
| | | | | 245 | -63.7 | -388.8 | -121.7 | -23.2 | -429.3 | -18.41 |
| ----- | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Cent | -3.3 | -18.4 | -0.2 | -3.3 | -18.4 | -0.63 | |
| | | | | 229 | -3.3 | -16.3 | -0.4 | -3.3 | -16.4 | -1.76 | |
| | | | | 230 | -3.4 | -17.0 | -0.1 | -3.4 | -17.0 | -0.24 | |
| | | | | 246 | -1.8 | -18.8 | 0.3 | -1.8 | -18.8 | 0.86 | |
| | | | | 245 | -4.8 | -21.7 | -0.1 | -4.8 | -21.7 | -0.31 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.8 | 6.0 | | | | | |
| | | | | 229 | 0.0 | 8.4 | | | | | |
| | | | | 230 | 0.0 | 3.6 | | | | | |
| | | | | 246 | -3.6 | 3.6 | | | | | |
| | | | | 245 | -3.6 | 8.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 304 | 1 | 1 | VERIFI-1 | Cent | -118.0 | -655.8 | -92.4 | -102.6 | -671.2 | -9.48 | |
| | | | | 230 | -129.9 | -666.4 | -120.2 | -104.2 | -692.1 | -12.07 | |
| | | | | 231 | -129.9 | -643.8 | -106.2 | -108.8 | -664.9 | -11.23 | |
| | | | | 247 | -107.1 | -643.8 | -64.6 | -99.5 | -651.5 | -6.76 | |
| | | | | 246 | -107.1 | -666.4 | -78.6 | -96.3 | -677.3 | -7.85 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 67.8 | 343.9 | 59.9 | 356.3 | 55.4 | 78.28 | |
| | | | | 230 | 69.5 | 347.7 | 46.4 | 355.2 | 62.0 | 80.77 | |
| | | | | 231 | 88.3 | 441.4 | 45.5 | 447.1 | 82.5 | 82.78 | |
| | | | | 247 | 85.5 | 332.4 | 74.3 | 353.0 | 64.9 | 74.48 | |
| | | | | 246 | 27.8 | 254.1 | 75.2 | 276.9 | 5.1 | 73.19 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -30.9 | 161.3 | | | | | |
| | | | | 230 | 0.0 | 142.0 | | | | | |
| | | | | 231 | 0.0 | 180.6 | | | | | |
| | | | | 247 | -61.9 | 180.6 | | | | | |
| | | | | 246 | -61.9 | 142.0 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -79.7 | -459.7 | -103.1 | -53.5 | -485.9 | -14.25 |
| | | | | | 230 | -92.1 | -434.3 | -102.7 | -63.7 | -462.7 | -15.48 |
| | | | | | 231 | -92.1 | -485.3 | -91.3 | -71.9 | -505.4 | -12.46 |
| | | | | | 247 | -67.1 | -485.3 | -103.6 | -42.8 | -509.5 | -13.18 |
| | | | | | 246 | -67.1 | -434.3 | -114.9 | -34.1 | -467.3 | -16.02 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -3.1 | -17.4 | 0.3 | -3.1 | -17.4 | 1.38 | |
| | | | | 230 | -3.4 | -17.0 | 0.0 | -3.4 | -17.0 | 0.08 | |
| | | | | 231 | -3.3 | -16.5 | 0.4 | -3.3 | -16.5 | 1.56 | |
| | | | | 247 | -1.9 | -17.0 | 0.8 | -1.8 | -17.0 | 2.94 | |
| | | | | 246 | -3.9 | -19.2 | 0.4 | -3.9 | -19.2 | 1.63 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.2 | 2.4 | | | | | |
| | | | | 230 | 0.0 | 3.6 | | | | | |
| | | | | 231 | 0.0 | 1.2 | | | | | |
| | | | | 247 | -2.4 | 1.2 | | | | | |
| | | | | 246 | -2.4 | 3.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 305 | 1 | 1 | VERIFI-1 | Cent | -115.8 | -642.3 | -85.4 | -102.3 | -655.8 | -8.99 | |
| | | | | 231 | -127.1 | -643.5 | -106.2 | -106.1 | -664.5 | -11.18 | |
| | | | | 232 | -127.1 | -639.6 | -92.5 | -110.9 | -655.8 | -9.93 | |
| | | | | 248 | -105.6 | -639.6 | -64.6 | -97.9 | -647.3 | -6.79 | |
| | | | | 247 | -105.6 | -643.5 | -78.2 | -94.4 | -654.7 | -8.11 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 80.8 | 423.0 | 56.7 | 432.1 | 71.7 | 80.83 | |
| | | | | 231 | 88.3 | 441.4 | 45.3 | 447.1 | 82.5 | 82.80 | |
| | | | | 232 | 105.8 | 529.1 | 41.7 | 533.1 | 101.7 | 84.42 | |
| | | | | 248 | 93.8 | 399.2 | 69.2 | 414.1 | 78.8 | 77.81 | |
| | | | | 247 | 35.5 | 322.4 | 72.8 | 339.8 | 18.1 | 76.55 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -31.6 | 196.6 | | | | | |
| | | | | 231 | 0.0 | 180.6 | | | | | |
| | | | | 232 | 0.0 | 212.5 | | | | | |
| | | | | 248 | -63.2 | 212.5 | | | | | |
| | | | | 247 | -63.2 | 180.6 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -86.6 | -510.8 | -89.3 | -68.6 | -528.8 | -11.41 |
| | | | | | 231 | -101.8 | -487.3 | -91.3 | -81.3 | -507.8 | -12.68 |
| | | | | | 232 | -101.8 | -533.9 | -76.2 | -88.8 | -546.9 | -9.71 |
| | | | | | 248 | -71.6 | -533.9 | -87.2 | -55.7 | -549.8 | -10.34 |
| | | | | | 247 | -71.6 | -487.3 | -102.4 | -47.8 | -511.2 | -13.11 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|-------|--------|--------|-------|--------|--------|--------|
| | | | | Cent | -3.0 | -16.1 | 0.7 | -2.9 | -16.1 | 3.24 |
| | | | | 231 | -3.3 | -16.5 | 0.4 | -3.3 | -16.5 | 1.71 |
| | | | | 232 | -3.1 | -15.4 | 0.6 | -3.0 | -15.4 | 2.93 |
| | | | | 248 | -1.9 | -15.2 | 1.2 | -1.8 | -15.3 | 4.97 |
| | | | | 247 | -3.6 | -17.3 | 0.9 | -3.6 | -17.4 | 3.87 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -1.0 | 0.6 | | | | |
| | | | | 231 | 0.0 | 1.2 | | | | |
| | | | | 232 | 0.0 | 0.1 | | | | |
| | | | | 248 | -1.9 | 0.1 | | | | |
| | | | | 247 | -1.9 | 1.2 | | | | |
| | | | | ----- | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 306 | 1 | 1 | VERIFI-1 | Cent | -115.4 | -641.3 | -76.2 | -104.5 | -652.2 | -8.08 |
| | | | | 232 | -127.0 | -639.4 | -92.5 | -110.8 | -655.6 | -9.93 |
| | | | | 233 | -127.0 | -642.0 | -78.7 | -115.2 | -653.7 | -8.50 |
| | | | | 249 | -104.6 | -642.0 | -59.9 | -98.0 | -648.6 | -6.29 |
| | | | | 248 | -104.6 | -639.4 | -73.7 | -94.6 | -649.4 | -7.71 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 94.3 | 496.8 | 51.2 | 503.2 | 87.9 | 82.87 |
| | | | | 232 | 105.8 | 529.1 | 41.7 | 533.1 | 101.7 | 84.43 |
| | | | | 233 | 121.5 | 607.3 | 36.9 | 610.1 | 118.7 | 85.68 |
| | | | | 249 | 102.6 | 460.9 | 61.8 | 471.2 | 92.2 | 80.49 |
| | | | | 248 | 47.3 | 389.9 | 66.6 | 402.3 | 34.8 | 79.38 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -30.2 | 225.1 | | | | |
| | | | | 232 | 0.0 | 212.5 | | | | |
| | | | | 233 | 0.0 | 237.8 | | | | |
| | | | | 249 | -60.4 | 237.8 | | | | |
| | | | | 248 | -60.4 | 212.5 | | | | |
| | | | | ----- | | | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -94.1 | -554.7 | -72.9 | -82.8 | -566.0 | -8.78 |
| | | | | 232 | -110.5 | -535.5 | -76.2 | -97.2 | -548.8 | -9.86 |
| | | | | 233 | -110.5 | -573.5 | -59.7 | -102.9 | -581.1 | -7.23 |
| | | | | 249 | -78.0 | -573.5 | -69.7 | -68.4 | -583.1 | -7.85 |
| | | | | 248 | -78.0 | -535.5 | -86.2 | -62.3 | -551.2 | -10.32 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -2.8 | -14.5 | 1.0 | -2.7 | -14.6 | 4.70 |
| | | | | 232 | -3.1 | -15.4 | 0.7 | -3.0 | -15.4 | 3.02 |
| | | | | 233 | -2.8 | -13.9 | 0.8 | -2.7 | -13.9 | 3.94 |
| | | | | 249 | -1.9 | -13.5 | 1.4 | -1.7 | -13.6 | 6.55 |
| | | | | 248 | -3.4 | -15.5 | 1.2 | -3.3 | -15.6 | 5.79 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.9 | -0.2 | | | | |
| | | | | 232 | 0.0 | 0.1 | | | | |
| | | | | 233 | 0.0 | -0.4 | | | | |
| | | | | 249 | -1.7 | -0.4 | | | | |
| | | | | 248 | -1.7 | 0.1 | | | | |
| | | | | ----- | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 307 | 1 | 1 | VERIFI-1 | Cent | -116.0 | -644.2 | -65.8 | -108.0 | -652.2 | -6.99 |
| | | | | 233 | -127.8 | -641.8 | -78.7 | -116.0 | -653.6 | -8.52 |
| | | | | 234 | -127.8 | -645.4 | -65.3 | -119.7 | -653.6 | -7.08 |
| | | | | 250 | -105.0 | -645.4 | -52.8 | -99.9 | -650.6 | -5.53 |
| | | | | 249 | -105.0 | -641.8 | -66.2 | -97.0 | -649.9 | -6.93 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 107.0 | 562.8 | 44.7 | 567.1 | 102.7 | 84.45 |
| | | | | 233 | 121.5 | 607.3 | 36.9 | 610.1 | 118.7 | 85.68 |
| | | | | 234 | 135.0 | 675.2 | 31.7 | 677.1 | 133.2 | 86.65 |
| | | | | 250 | 111.0 | 516.1 | 53.6 | 523.0 | 104.0 | 82.59 |
| | | | | 249 | 60.7 | 452.5 | 58.8 | 461.1 | 52.1 | 81.65 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -27.6 | 247.5 | | | | |
| | | | | 233 | 0.0 | 237.8 | | | | |
| | | | | 234 | 0.0 | 257.2 | | | | |
| | | | | 250 | -55.3 | 257.2 | | | | |
| | | | | 249 | -55.3 | 237.8 | | | | |
| | | | | ----- | | | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -101.2 | -589.3 | -55.9 | -94.9 | -595.6 | -6.46 |
| | | | | 233 | -117.5 | -574.8 | -59.7 | -109.8 | -582.5 | -7.31 |
| | | | | 234 | -117.5 | -603.4 | -43.5 | -113.6 | -607.2 | -5.07 |
| | | | | 250 | -85.3 | -603.4 | -52.2 | -80.1 | -608.6 | -5.70 |
| | | | | 249 | -85.3 | -574.8 | -68.4 | -75.9 | -584.2 | -7.81 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 233 | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| 249 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 233 | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| 249 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 308 | 1 | 1 | VERIFI-1 | Cent | -117.2 | -646.9 | -54.9 | -111.5 | -652.6 | -5.86 |
| ----- | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -107.4 | -614.4 | -39.6 | -104.3 | -617.5 | -4.44 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 234 | -122.6 | -604.5 | -43.5 | -118.7 | -608.3 | -5.11 |
| ----- | | | | | | | | | | |
| | | | | 235 | -122.6 | -624.1 | -28.4 | -121.0 | -625.7 | -3.24 |
| ----- | | | | | | | | | | |
| | | | | 251 | -92.3 | -624.1 | -35.7 | -89.9 | -626.5 | -3.82 |
| ----- | | | | | | | | | | |
| | | | | 250 | -92.3 | -604.5 | -50.7 | -87.4 | -609.4 | -5.60 |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 234 | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 309 | 1 | 1 | VERIFI-1 | Cent | -118.3 | -648.0 | -44.4 | -114.6 | -651.7 | -4.75 |
| ----- | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 236 | | | | | | | | | | |
| 252 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 236 | | | | | | | | | | |
| 252 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 235 | | | | | | | | | | |
| 236 | | | | | | | | | | |
| 252 | | | | | | | | | | |
| 251 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -112.2 | -631.0 | -24.5 | -111.0 | -632.1 | -2.70 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 235 | -126.0 | -624.9 | -28.4 | -124.4 | -626.5 | -3.25 |
| ----- | | | | | | | | | | |
| | | | | 236 | -126.0 | -636.8 | -15.0 | -125.6 | -637.2 | -1.68 |
| ----- | | | | | | | | | | |
| | | | | 252 | -98.5 | -636.8 | -20.6 | -97.7 | -637.6 | -2.19 |
| ----- | | | | | | | | | | |
| | | | | 251 | -98.5 | -624.9 | -34.0 | -96.3 | -627.1 | -3.68 |
| ----- | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -2.1 | -9.8 | 0.9 | -2.0 | -10.0 | 6.82 |
| | | | | 235 | -2.1 | -10.6 | 0.8 | -2.1 | -10.7 | 5.07 |
| | | | | 236 | -1.8 | -9.2 | 0.7 | -1.8 | -9.2 | 5.17 |
| | | | | 252 | -1.6 | -9.0 | 1.2 | -1.4 | -9.2 | 8.61 |
| | | | | 251 | -2.8 | -10.6 | 1.3 | -2.6 | -10.8 | 8.88 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.7 | -0.2 | | | | |
| | | | | 235 | 0.0 | -0.3 | | | | |
| | | | | 236 | 0.0 | -0.1 | | | | |
| | | | | 252 | -1.3 | -0.1 | | | | |
| | | | | 251 | -1.3 | -0.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 310 | 1 | 1 | VERIFI-1 | Cent | -118.9 | -646.8 | -34.4 | -116.7 | -649.0 | -3.71 |
| | | | | 236 | -128.8 | -647.7 | -41.2 | -125.6 | -651.0 | -4.51 |
| | | | | 237 | -128.8 | -645.3 | -30.7 | -127.0 | -647.1 | -3.39 |
| | | | | 253 | -109.4 | -645.3 | -27.5 | -108.0 | -646.7 | -2.93 |
| | | | | 252 | -109.4 | -647.7 | -38.0 | -106.7 | -650.4 | -4.02 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 137.2 | 709.3 | 25.8 | 710.5 | 136.0 | 87.42 |
| | | | | 236 | 156.1 | 780.3 | 22.0 | 781.1 | 155.3 | 87.98 |
| | | | | 237 | 163.8 | 818.9 | 17.6 | 819.3 | 163.3 | 88.46 |
| | | | | 253 | 130.4 | 638.7 | 30.4 | 640.5 | 128.6 | 86.58 |
| | | | | 252 | 98.4 | 599.5 | 34.9 | 601.9 | 96.0 | 86.04 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -17.8 | 285.6 | | | | |
| | | | | 236 | 0.0 | 282.1 | | | | |
| | | | | 237 | 0.0 | 289.2 | | | | |
| | | | | 253 | -35.6 | 289.2 | | | | |
| | | | | 252 | -35.6 | 282.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -115.5 | -640.0 | -11.0 | -115.3 | -640.3 | -1.20 |
| | | | | 236 | -127.9 | -637.4 | -15.0 | -127.4 | -637.8 | -1.68 |
| | | | | 237 | -127.9 | -642.6 | -3.1 | -127.9 | -642.6 | -0.34 |
| | | | | 253 | -103.3 | -642.6 | -7.0 | -103.2 | -642.7 | -0.74 |
| | | | | 252 | -103.3 | -637.4 | -18.9 | -102.6 | -638.1 | -2.03 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -1.8 | -8.6 | 0.8 | -1.7 | -8.7 | 6.79 |
| | | | | 236 | -1.8 | -9.2 | 0.7 | -1.8 | -9.2 | 5.21 |
| | | | | 237 | -1.6 | -7.9 | 0.6 | -1.5 | -8.0 | 5.01 |
| | | | | 253 | -1.4 | -7.9 | 1.0 | -1.3 | -8.1 | 8.38 |
| | | | | 252 | -2.5 | -9.2 | 1.1 | -2.3 | -9.4 | 8.96 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.6 | -0.0 | | | | |
| | | | | 236 | 0.0 | -0.1 | | | | |
| | | | | 237 | 0.0 | 0.0 | | | | |
| | | | | 253 | -1.1 | 0.0 | | | | |
| | | | | 252 | -1.1 | -0.1 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 311 | 1 | 1 | VERIFI-1 | Cent | -119.1 | -642.9 | -25.1 | -117.9 | -644.1 | -2.73 |
| | | | | 237 | -128.1 | -645.2 | -30.7 | -126.3 | -647.0 | -3.38 |
| | | | | 238 | -128.1 | -640.1 | -21.1 | -127.2 | -640.9 | -2.36 |
| | | | | 254 | -110.4 | -640.1 | -19.5 | -109.6 | -640.8 | -2.10 |
| | | | | 253 | -110.4 | -645.2 | -29.0 | -108.8 | -646.8 | -3.10 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 144.3 | 742.2 | 20.5 | 742.9 | 143.6 | 88.03 |
| | | | | 237 | 163.8 | 818.9 | 17.7 | 819.3 | 163.3 | 88.45 |
| | | | | 238 | 169.9 | 849.4 | 13.8 | 849.7 | 169.6 | 88.84 |
| | | | | 254 | 134.8 | 666.1 | 24.1 | 667.2 | 133.7 | 87.41 |
| | | | | 253 | 108.6 | 634.3 | 28.0 | 635.8 | 107.1 | 86.96 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -14.6 | 291.5 | | | | |
| | | | | 237 | 0.0 | 289.2 | | | | |
| | | | | 238 | 0.0 | 293.8 | | | | |
| | | | | 254 | -29.2 | 293.8 | | | | |
| | | | | 253 | -29.2 | 289.2 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -117.6 | -642.7 | 1.0 | -117.6 | -642.7 | 0.11 |
| | | | | 237 | -128.4 | -643.0 | -3.1 | -128.4 | -643.0 | -0.34 |
| | | | | 238 | -128.4 | -642.4 | 7.5 | -128.3 | -642.5 | 0.83 |
| | | | | 254 | -106.8 | -642.4 | 5.0 | -106.7 | -642.4 | 0.54 |
| | | | | 253 | -106.8 | -643.0 | -5.5 | -106.7 | -643.0 | -0.59 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | | | | | | | Cent | -1.6 | -7.5 | 0.7 | -1.6 | -7.6 | 6.34 |
| | | | | | | | | 237 | -1.6 | -7.9 | 0.6 | -1.5 | -8.0 | 5.05 |
| | | | | | | | | 238 | -1.4 | -6.9 | 0.4 | -1.4 | -7.0 | 4.51 |
| | | | | | | | | 254 | -1.4 | -7.1 | 0.8 | -1.3 | -7.2 | 7.63 |
| | | | | | | | | 253 | -2.2 | -8.1 | 0.9 | -2.1 | -8.2 | 8.51 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -0.5 | 0.1 | | | | |
| | | | | | | | | 237 | 0.0 | 0.0 | | | | |
| | | | | | | | | 238 | 0.0 | 0.2 | | | | |
| | | | | | | | | 254 | -0.9 | 0.2 | | | | |
| | | | | | | | | 253 | -0.9 | 0.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 312 | 1 | 1 | VERIFI-1 | Cent | -118.7 | -636.2 | -16.7 | -118.2 | -636.8 | -1.84 | | | | |
| | | | | 238 | -126.8 | -640.0 | -21.1 | -125.9 | -640.8 | -2.35 | | | | |
| | | | | 239 | -126.8 | -632.0 | -12.5 | -126.5 | -632.3 | -1.42 | | | | |
| | | | | 255 | -111.0 | -632.0 | -12.2 | -110.7 | -632.3 | -1.34 | | | | |
| | | | | 254 | -111.0 | -640.0 | -20.8 | -110.2 | -640.8 | -2.25 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 150.0 | 768.2 | 15.9 | 768.6 | 149.6 | 88.53 |
| | | | | | | | | 238 | 169.9 | 849.4 | 13.9 | 849.7 | 169.6 | 88.83 |
| | | | | | | | | 239 | 174.6 | 872.9 | 10.4 | 873.1 | 174.4 | 89.14 |
| | | | | | | | | 255 | 138.2 | 687.8 | 18.4 | 688.4 | 137.6 | 88.08 |
| | | | | | | | | 254 | 117.3 | 662.6 | 21.9 | 663.5 | 116.4 | 87.70 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -11.7 | 295.1 | | | | |
| | | | | | | | | 238 | 0.0 | 293.8 | | | | |
| | | | | | | | | 239 | 0.0 | 296.4 | | | | |
| | | | | | | | | 255 | -23.4 | 296.4 | | | | |
| | | | | | | | | 254 | -23.4 | 293.8 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | -118.4 | -639.9 | 11.4 | -118.2 | -640.1 | 1.26 | | | |
| | | | | | 238 | -127.8 | -642.6 | 7.5 | -127.7 | -642.7 | 0.83 | | | |
| | | | | | 239 | -127.8 | -637.0 | 16.7 | -127.3 | -637.6 | 1.88 | | | |
| | | | | | 255 | -109.1 | -637.0 | 15.4 | -108.6 | -637.5 | 1.67 | | | |
| | | | | | 254 | -109.1 | -642.6 | 6.2 | -109.0 | -642.7 | 0.66 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -1.5 | -6.7 | 0.5 | -1.4 | -6.7 | 5.42 |
| | | | | | | | | 238 | -1.4 | -6.9 | 0.4 | -1.4 | -7.0 | 4.56 |
| | | | | | | | | 239 | -1.2 | -6.2 | 0.3 | -1.2 | -6.2 | 3.62 |
| | | | | | | | | 255 | -1.3 | -6.4 | 0.6 | -1.3 | -6.5 | 6.29 |
| | | | | | | | | 254 | -1.9 | -7.2 | 0.7 | -1.9 | -7.3 | 7.47 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -0.3 | 0.3 | | | | |
| | | | | | | | | 238 | 0.0 | 0.2 | | | | |
| | | | | | | | | 239 | 0.0 | 0.3 | | | | |
| | | | | | | | | 255 | -0.7 | 0.3 | | | | |
| | | | | | | | | 254 | -0.7 | 0.2 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 313 | 1 | 1 | VERIFI-1 | Cent | -118.1 | -626.8 | -9.3 | -118.0 | -626.9 | -1.05 | | | | |
| | | | | 239 | -124.9 | -631.9 | -12.5 | -124.6 | -632.2 | -1.41 | | | | |
| | | | | 240 | -124.9 | -621.2 | -5.1 | -124.8 | -621.2 | -0.59 | | | | |
| | | | | 256 | -111.7 | -621.2 | -6.1 | -111.6 | -621.3 | -0.69 | | | | |
| | | | | 255 | -111.7 | -631.9 | -13.5 | -111.3 | -632.2 | -1.49 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 154.5 | 788.1 | 11.8 | 788.3 | 154.3 | 88.93 |
| | | | | | | | | 239 | 174.6 | 872.9 | 10.6 | 873.1 | 174.4 | 89.13 |
| | | | | | | | | 240 | 178.1 | 890.3 | 7.6 | 890.4 | 178.0 | 89.39 |
| | | | | | | | | 256 | 140.7 | 704.3 | 13.6 | 704.6 | 140.4 | 88.62 |
| | | | | | | | | 255 | 124.5 | 685.0 | 16.6 | 685.5 | 124.0 | 88.31 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -9.1 | 297.0 | | | | |
| | | | | | | | | 239 | 0.0 | 296.4 | | | | |
| | | | | | | | | 240 | 0.0 | 297.6 | | | | |
| | | | | | | | | 256 | -18.1 | 297.6 | | | | |
| | | | | | | | | 255 | -18.1 | 296.4 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | -118.4 | -632.2 | 20.3 | -117.6 | -633.0 | 2.26 | | | |
| | | | | | 239 | -126.3 | -637.1 | 16.7 | -125.7 | -637.6 | 1.87 | | | |
| | | | | | 240 | -126.3 | -627.1 | 24.5 | -125.1 | -628.3 | 2.80 | | | |
| | | | | | 256 | -110.7 | -627.1 | 24.0 | -109.6 | -628.2 | 2.65 | | | |
| | | | | | 255 | -110.7 | -637.1 | 16.1 | -110.2 | -637.6 | 1.76 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | Cent | -1.4 | -6.1 | 0.3 | -1.3 | -6.1 | 3.99 | |
| | | | | 239 | -1.2 | -6.2 | 0.3 | -1.2 | -6.2 | 3.69 | |
| | | | | 240 | -1.1 | -5.7 | 0.2 | -1.1 | -5.7 | 2.33 | |
| | | | | 256 | -1.3 | -6.0 | 0.4 | -1.3 | -6.0 | 4.30 | |
| | | | | 255 | -1.7 | -6.5 | 0.5 | -1.7 | -6.5 | 5.78 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -0.2 | 0.4 | | | | | |
| | | | | 239 | 0.0 | 0.3 | | | | | |
| | | | | 240 | 0.0 | 0.4 | | | | | |
| | | | | 256 | -0.4 | 0.4 | | | | | |
| | | | | 255 | -0.4 | 0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 314 | 1 | 1 | VERIFI-1 | Cent | -117.5 | -614.7 | -3.5 | -117.5 | -614.8 | -0.40 | |
| | | | | 240 | -122.5 | -621.0 | -5.1 | -122.5 | -621.1 | -0.59 | |
| | | | | 241 | -122.5 | -608.0 | 0.6 | -122.5 | -608.0 | 0.07 | |
| | | | | 257 | -112.7 | -608.0 | -1.8 | -112.7 | -608.0 | -0.21 | |
| | | | | 256 | -112.7 | -621.0 | -7.5 | -112.6 | -621.1 | -0.85 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 157.9 | 802.8 | 8.4 | 802.9 | 157.8 | 89.25 | |
| | | | | 240 | 178.1 | 890.3 | 7.7 | 890.4 | 178.0 | 89.38 | |
| | | | | 241 | 180.5 | 902.5 | 5.2 | 902.5 | 180.5 | 89.59 | |
| | | | | 257 | 142.5 | 716.3 | 9.5 | 716.4 | 142.3 | 89.06 | |
| | | | | 256 | 130.5 | 702.2 | 12.0 | 702.5 | 130.3 | 88.80 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -6.7 | 297.7 | | | | | |
| | | | | 240 | 0.0 | 297.6 | | | | | |
| | | | | 241 | 0.0 | 297.8 | | | | | |
| | | | | 257 | -13.5 | 297.8 | | | | | |
| | | | | 256 | -13.5 | 297.6 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -117.9 | -620.4 | 27.5 | -116.4 | -621.9 | 3.12 |
| | | | | | 240 | -123.9 | -627.0 | 24.5 | -122.7 | -628.2 | 2.78 |
| | | | | | 241 | -123.9 | -613.6 | 30.6 | -122.0 | -615.5 | 3.56 |
| | | | | | 257 | -112.0 | -613.6 | 30.4 | -110.2 | -615.4 | 3.46 |
| | | | | | 256 | -112.0 | -627.0 | 24.3 | -110.9 | -628.2 | 2.70 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -1.3 | -5.7 | 0.2 | -1.3 | -5.7 | 2.06 | |
| | | | | 240 | -1.1 | -5.7 | 0.2 | -1.1 | -5.7 | 2.41 | |
| | | | | 241 | -1.1 | -5.4 | 0.1 | -1.1 | -5.4 | 0.71 | |
| | | | | 257 | -1.4 | -5.8 | 0.1 | -1.4 | -5.8 | 1.72 | |
| | | | | 256 | -1.6 | -6.0 | 0.3 | -1.5 | -6.0 | 3.46 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -0.1 | 0.5 | | | | | |
| | | | | 240 | 0.0 | 0.4 | | | | | |
| | | | | 241 | 0.0 | 0.5 | | | | | |
| | | | | 257 | -0.2 | 0.5 | | | | | |
| | | | | 256 | -0.2 | 0.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 315 | 1 | 1 | VERIFI-1 | Cent | -117.1 | -600.8 | 0.3 | -117.1 | -600.8 | 0.04 | |
| | | | | 241 | -119.8 | -607.8 | 0.6 | -119.8 | -607.8 | 0.07 | |
| | | | | 242 | -119.8 | -593.4 | 3.9 | -119.8 | -593.5 | 0.47 | |
| | | | | 258 | -114.5 | -593.4 | 0.1 | -114.5 | -593.4 | 0.01 | |
| | | | | 257 | -114.5 | -607.8 | -3.2 | -114.5 | -607.8 | -0.38 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 160.4 | 813.0 | 5.5 | 813.1 | 160.3 | 89.52 | |
| | | | | 241 | 180.5 | 902.5 | 5.3 | 902.5 | 180.5 | 89.58 | |
| | | | | 242 | 182.1 | 910.4 | 3.1 | 910.4 | 182.1 | 89.75 | |
| | | | | 258 | 143.6 | 724.3 | 6.0 | 724.4 | 143.5 | 89.41 | |
| | | | | 257 | 135.3 | 714.8 | 8.1 | 714.9 | 135.2 | 89.20 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -4.7 | 297.5 | | | | | |
| | | | | 241 | 0.0 | 297.8 | | | | | |
| | | | | 242 | 0.0 | 297.3 | | | | | |
| | | | | 258 | -9.4 | 297.3 | | | | | |
| | | | | 257 | -9.4 | 297.8 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -117.3 | -605.6 | 32.4 | -115.1 | -607.8 | 3.78 |
| | | | | | 241 | -121.0 | -613.4 | 30.6 | -119.1 | -615.3 | 3.54 |
| | | | | | 242 | -121.0 | -597.8 | 34.3 | -118.6 | -600.2 | 4.10 |
| | | | | | 258 | -113.6 | -597.8 | 34.3 | -111.2 | -600.2 | 4.03 |
| | | | | | 257 | -113.6 | -613.4 | 30.5 | -111.7 | -615.2 | 3.48 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
|--|--|--|--|--|--|--|--|----------|-------|--------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -1.3 | -5.6 | -0.0 | -1.3 | -5.6 | -0.21 | | | | |
| | | | | | | | | 241 | -1.1 | -5.4 | 0.1 | -1.1 | -5.4 | 0.79 | | | | |
| | | | | | | | | 242 | -1.1 | -5.4 | -0.1 | -1.1 | -5.5 | -1.11 | | | | |
| | | | | | | | | 258 | -1.5 | -5.9 | -0.1 | -1.5 | -5.9 | -1.24 | | | | |
| | | | | | | | | 257 | -1.4 | -5.8 | 0.0 | -1.4 | -5.8 | 0.65 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 0.0 | 0.5 | | | | | | | | |
| | | | | | | | | 241 | 0.0 | 0.5 | | | | | | | | |
| | | | | | | | | 242 | 0.0 | 0.6 | | | | | | | | |
| | | | | | | | | 258 | 0.1 | 0.6 | | | | | | | | |
| | | | | | | | | 257 | 0.1 | 0.5 | | | | | | | | |
| | | | | | | | | ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | 316 | 1 | 1 | VERIFI-1 | Cent | -117.1 | -586.7 | 1.4 | -117.1 | -586.7 | 0.17 |
| | | | | | | | | | | | | 242 | -117.3 | -593.1 | 3.9 | -117.2 | -593.2 | 0.47 |
| | | | | | | | | | | | | 243 | -117.3 | -580.2 | 4.2 | -117.2 | -580.3 | 0.53 |
| | | | | | | | | | | | | 259 | -117.0 | -580.2 | -1.1 | -117.0 | -580.2 | -0.14 |
| | | | | | | | | | | | | 258 | -117.0 | -593.1 | -1.4 | -117.0 | -593.1 | -0.17 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | 162.0 | 819.4 | 3.1 | 819.4 | 162.0 | 89.73 | | | | |
| | | | | | | | | 242 | 182.1 | 910.4 | 3.2 | 910.4 | 182.1 | 89.75 | | | | |
| | | | | | | | | 243 | 182.9 | 914.7 | 1.5 | 914.7 | 182.9 | 89.88 | | | | |
| | | | | | | | | 259 | 144.0 | 729.0 | 3.1 | 729.0 | 144.0 | 89.70 | | | | |
| | | | | | | | | 258 | 139.0 | 723.4 | 4.8 | 723.5 | 139.0 | 89.52 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | -2.9 | 296.9 | | | | | | | | |
| | | | | | | | | 242 | 0.0 | 297.3 | | | | | | | | |
| | | | | | | | | 243 | 0.0 | 296.5 | | | | | | | | |
| | | | | | | | | 259 | -5.7 | 296.5 | | | | | | | | |
| | | | | | | | | 258 | -5.7 | 297.3 | | | | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | | | | | VER.TR-1 | Cent | -116.8 | -589.9 | 34.7 | -114.3 | -592.4 | 4.17 | | | |
| | | | | | | | | | 242 | -118.1 | -597.4 | 34.3 | -115.7 | -599.8 | 4.08 | | | |
| | | | | | | | | | 243 | -118.1 | -582.5 | 35.3 | -115.5 | -585.2 | 4.32 | | | |
| | | | | | | | | | 259 | -115.4 | -582.5 | 35.1 | -112.8 | -585.1 | 4.27 | | | |
| | | | | | | | | | 258 | -115.4 | -597.4 | 34.1 | -113.0 | -599.8 | 4.03 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | -1.3 | -5.8 | -0.2 | -1.3 | -5.8 | -2.57 | | | | |
| | | | | | | | | 242 | -1.1 | -5.4 | -0.1 | -1.1 | -5.5 | -1.02 | | | | |
| | | | | | | | | 243 | -1.1 | -5.7 | -0.2 | -1.1 | -5.8 | -2.89 | | | | |
| | | | | | | | | 259 | -1.7 | -6.2 | -0.3 | -1.7 | -6.2 | -4.23 | | | | |
| | | | | | | | | 258 | -1.4 | -5.8 | -0.2 | -1.4 | -5.8 | -2.31 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 0.2 | 0.6 | | | | | | | | |
| | | | | | | | | 242 | 0.0 | 0.6 | | | | | | | | |
| | | | | | | | | 243 | 0.0 | 0.6 | | | | | | | | |
| | | | | | | | | 259 | 0.3 | 0.6 | | | | | | | | |
| | | | | | | | | 258 | 0.3 | 0.6 | | | | | | | | |
| | | | | | | | | ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | 317 | 1 | 1 | VERIFI-1 | Cent | -119.3 | -567.4 | -0.6 | -119.3 | -567.4 | -0.08 |
| | | | | | | | | | | | | 243 | -115.9 | -576.1 | 4.2 | -115.9 | -576.2 | 0.53 |
| | | | | | | | | | | | | 244 | -115.9 | -562.8 | -6.5 | -115.8 | -562.9 | -0.83 |
| | | | | | | | | | | | | 260 | -121.4 | -562.8 | -5.5 | -121.4 | -562.8 | -0.72 |
| | | | | | | | | | | | | 259 | -121.4 | -576.1 | 5.2 | -121.4 | -576.2 | 0.66 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | 163.0 | 822.5 | 0.8 | 822.5 | 163.0 | 89.93 | | | | |
| | | | | | | | | 243 | 182.9 | 914.7 | 1.5 | 914.7 | 182.9 | 89.88 | | | | |
| | | | | | | | | 244 | 183.2 | 916.0 | -0.3 | 916.0 | 183.2 | -89.97 | | | | |
| | | | | | | | | 260 | 144.0 | 730.9 | 0.1 | 730.9 | 144.0 | 89.99 | | | | |
| | | | | | | | | 259 | 141.7 | 728.6 | 2.0 | 728.6 | 141.7 | 89.80 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | -1.0 | 296.0 | | | | | | | | |
| | | | | | | | | 243 | 0.0 | 296.5 | | | | | | | | |
| | | | | | | | | 244 | 0.0 | 295.5 | | | | | | | | |
| | | | | | | | | 260 | -2.0 | 295.5 | | | | | | | | |
| | | | | | | | | 259 | -2.0 | 296.5 | | | | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | | | | | VER.TR-1 | Cent | -118.1 | -567.8 | 34.2 | -115.5 | -570.4 | 4.32 | | | |
| | | | | | | | | | 243 | -116.1 | -578.3 | 35.3 | -113.5 | -581.0 | 4.34 | | | |
| | | | | | | | | | 244 | -116.1 | -561.6 | 25.9 | -114.6 | -563.1 | 3.32 | | | |
| | | | | | | | | | 260 | -118.7 | -561.6 | 33.1 | -116.3 | -564.1 | 4.26 | | | |
| | | | | | | | | | 259 | -118.7 | -578.3 | 42.5 | -114.9 | -582.2 | 5.24 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|--------|--------|--------|--------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 243 | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| 259 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 243 | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| 259 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 318 | 1 | 1 | VERIFI-1 | Cent | -115.9 | -566.0 | -4.9 | -115.8 | -566.1 | -0.62 |
| ----- | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -114.0 | -563.4 | 31.6 | -111.8 | -565.6 | 4.00 |
| ----- | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 244 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 217 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 431 | 1 | 1 | VERIFI-1 | Cent | -71.5 | -676.7 | -87.0 | -59.2 | -689.0 | -8.02 |
| ----- | | | | | | | | | | |
| 245 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 342 | | | | | | | | | | |
| 341 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 245 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 342 | | | | | | | | | | |
| 341 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 245 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 342 | | | | | | | | | | |
| 341 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -47.2 | -391.9 | -107.4 | -16.5 | -422.6 | -15.96 |
| ----- | | | | | | | | | | |
| 245 | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 342 | | | | | | | | | | |
| 341 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | Cent | -60.7 | -367.8 | -101.4 | -30.3 | -398.3 | -16.72 |
| ----- | | | | | | | | | | |
| 246 | | | | | | | | | | |
| 342 | | | | | | | | | | |
| 341 | | | | | | | | | | |
| ----- | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|--------|-------|--------|--------|
| | | | | Cent | -4.0 | -21.6 | 1.6 | -3.9 | -21.7 | 5.16 |
| | | | | 245 | -4.7 | -21.2 | 1.5 | -4.6 | -21.3 | 5.05 |
| | | | | 246 | -1.9 | -19.3 | 1.1 | -1.8 | -19.3 | 3.46 |
| | | | | 342 | -1.8 | -20.8 | 1.9 | -1.7 | -21.0 | 5.62 |
| | | | | 341 | -7.6 | -25.1 | 2.3 | -7.3 | -25.3 | 7.36 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -5.4 | 4.0 | | | | |
| | | | | 245 | -3.6 | 5.5 | | | | |
| | | | | 246 | -3.6 | 2.5 | | | | |
| | | | | 342 | -7.2 | 2.5 | | | | |
| | | | | 341 | -7.2 | 5.5 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 432 | 1 | 1 | VERIFI-1 | Cent | -83.0 | -638.4 | -92.2 | -68.1 | -653.3 | -9.18 |
| | | | | 246 | -103.0 | -647.1 | -127.8 | -74.5 | -675.6 | -12.58 |
| | | | | 247 | -103.0 | -627.8 | -98.2 | -85.3 | -645.6 | -10.26 |
| | | | | 343 | -64.3 | -627.8 | -56.6 | -58.7 | -633.4 | -5.68 |
| | | | | 342 | -64.3 | -647.1 | -86.2 | -51.8 | -659.6 | -8.24 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 46.8 | 254.2 | 88.8 | 287.1 | 14.0 | 69.71 |
| | | | | 246 | 27.6 | 253.1 | 77.9 | 277.4 | 3.3 | 72.67 |
| | | | | 247 | 86.5 | 337.4 | 76.0 | 358.6 | 65.3 | 74.39 |
| | | | | 343 | 60.6 | 243.9 | 98.9 | 287.1 | 17.4 | 66.42 |
| | | | | 342 | 12.5 | 182.5 | 100.8 | 229.3 | -34.3 | 65.06 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -57.3 | 129.9 | | | | |
| | | | | 246 | -61.9 | 112.6 | | | | |
| | | | | 247 | -61.9 | 147.1 | | | | |
| | | | | 343 | -52.6 | 147.1 | | | | |
| | | | | 342 | -52.6 | 112.6 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -51.6 | -449.0 | -98.6 | -28.5 | -472.1 | -13.20 |
| | | | | 246 | -64.6 | -420.9 | -97.6 | -39.6 | -445.9 | -14.36 |
| | | | | 247 | -64.6 | -477.0 | -86.0 | -47.4 | -494.2 | -11.32 |
| | | | | 343 | -38.8 | -477.0 | -99.6 | -17.2 | -498.6 | -12.22 |
| | | | | 342 | -38.8 | -420.9 | -111.2 | -8.7 | -450.9 | -15.11 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -3.0 | -19.0 | 1.7 | -2.8 | -19.2 | 5.97 |
| | | | | 246 | -4.0 | -19.7 | 1.2 | -3.9 | -19.8 | 4.48 |
| | | | | 247 | -1.9 | -17.3 | 1.3 | -1.8 | -17.4 | 4.79 |
| | | | | 343 | -1.3 | -17.6 | 2.2 | -1.0 | -17.9 | 7.61 |
| | | | | 342 | -4.8 | -21.4 | 2.2 | -4.5 | -21.6 | 7.31 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -3.2 | 1.7 | | | | |
| | | | | 246 | -2.4 | 2.5 | | | | |
| | | | | 247 | -2.4 | 0.8 | | | | |
| | | | | 343 | -4.0 | 0.8 | | | | |
| | | | | 342 | -4.0 | 2.5 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 433 | 1 | 1 | VERIFI-1 | Cent | -86.8 | -628.0 | -86.0 | -73.5 | -641.4 | -8.81 |
| | | | | 247 | -102.5 | -628.1 | -111.8 | -79.7 | -650.9 | -11.53 |
| | | | | 248 | -102.5 | -626.4 | -86.4 | -88.6 | -640.2 | -9.13 |
| | | | | 344 | -72.1 | -626.4 | -60.1 | -65.7 | -632.8 | -6.12 |
| | | | | 343 | -72.1 | -628.1 | -85.5 | -59.3 | -641.0 | -8.55 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 51.8 | 315.8 | 83.9 | 340.1 | 27.4 | 73.78 |
| | | | | 247 | 36.5 | 327.4 | 74.5 | 345.3 | 18.5 | 76.44 |
| | | | | 248 | 95.3 | 406.6 | 70.9 | 422.0 | 79.9 | 77.76 |
| | | | | 344 | 63.0 | 294.7 | 92.6 | 327.1 | 30.6 | 70.69 |
| | | | | 343 | 12.5 | 234.3 | 96.1 | 270.2 | -23.3 | 69.54 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -59.8 | 161.5 | | | | |
| | | | | 247 | -63.2 | 147.1 | | | | |
| | | | | 248 | -63.2 | 175.8 | | | | |
| | | | | 344 | -56.5 | 175.8 | | | | |
| | | | | 343 | -56.5 | 147.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -57.2 | -502.9 | -83.5 | -42.0 | -518.0 | -10.27 |
| | | | | 247 | -70.0 | -478.3 | -84.8 | -53.2 | -495.2 | -11.27 |
| | | | | 248 | -70.0 | -527.1 | -70.0 | -59.6 | -537.6 | -8.52 |
| | | | | 344 | -44.5 | -527.1 | -82.3 | -30.9 | -540.8 | -9.41 |
| | | | | 343 | -44.5 | -478.3 | -97.0 | -23.8 | -499.0 | -12.05 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -2.7 | -16.6 | 1.9 | -2.5 | -16.8 | 7.54 | |
| | | | | | | | | 247 | -3.7 | -17.6 | 1.4 | -3.5 | -17.8 | 5.86 | |
| | | | | | | | | 248 | -1.9 | -15.3 | 1.5 | -1.7 | -15.5 | 6.34 | |
| | | | | | | | | 344 | -1.4 | -15.2 | 2.3 | -1.0 | -15.5 | 9.34 | |
| | | | | | | | | 343 | -4.0 | -18.2 | 2.3 | -3.6 | -18.5 | 8.84 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.4 | 0.3 | | | | | |
| | | | | | | | | 247 | -1.9 | 0.8 | | | | | |
| | | | | | | | | 248 | -1.9 | -0.1 | | | | | |
| | | | | | | | | 344 | -2.9 | -0.1 | | | | | |
| | | | | | | | | 343 | -2.9 | 0.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 434 | 1 | 1 | VERIFI-1 | Cent | -88.6 | -628.6 | -75.9 | -78.1 | -639.1 | -7.85 | | | | | |
| | | | | 248 | -102.1 | -626.3 | -95.6 | -85.2 | -643.2 | -10.02 | | | | | |
| | | | | 249 | -102.1 | -629.7 | -73.6 | -92.1 | -639.8 | -7.79 | | | | | |
| | | | | 345 | -75.9 | -629.7 | -56.3 | -70.3 | -635.4 | -5.74 | | | | | |
| | | | | 344 | -75.9 | -626.3 | -78.3 | -65.0 | -637.2 | -7.94 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 59.8 | 373.8 | 76.0 | 391.3 | 42.3 | 77.08 | |
| | | | | | | | | 248 | 48.8 | 397.4 | 68.1 | 410.2 | 36.0 | 79.33 | |
| | | | | | | | | 249 | 104.3 | 469.5 | 63.5 | 480.3 | 93.6 | 80.41 | |
| | | | | | | | | 345 | 67.9 | 342.7 | 83.4 | 366.0 | 44.6 | 74.37 | |
| | | | | | | | | 344 | 18.1 | 285.7 | 88.0 | 312.1 | -8.2 | 73.34 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -58.5 | 187.6 | | | | | |
| | | | | | | | | 248 | -60.4 | 175.8 | | | | | |
| | | | | | | | | 249 | -60.4 | 199.3 | | | | | |
| | | | | | | | | 345 | -56.6 | 199.3 | | | | | |
| | | | | | | | | 344 | -56.6 | 175.8 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -64.1 | -547.8 | -66.5 | -55.2 | -556.8 | -7.68 |
| | | | | | | | | 248 | -76.8 | -528.5 | -69.0 | -66.5 | -538.8 | -8.49 | |
| | | | | | | | | 249 | -76.8 | -566.7 | -53.8 | -70.9 | -572.5 | -6.19 | |
| | | | | | | | | 345 | -51.7 | -566.7 | -64.0 | -43.9 | -574.5 | -6.97 | |
| | | | | | | | | 344 | -51.7 | -528.5 | -79.1 | -38.9 | -541.3 | -9.18 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.6 | -14.5 | 1.9 | -2.3 | -14.8 | 9.06 | |
| | | | | | | | | 248 | -3.5 | -15.7 | 1.6 | -3.3 | -15.9 | 7.28 | |
| | | | | | | | | 249 | -1.9 | -13.5 | 1.6 | -1.6 | -13.7 | 7.64 | |
| | | | | | | | | 345 | -1.6 | -13.1 | 2.3 | -1.1 | -13.6 | 10.92 | |
| | | | | | | | | 344 | -3.6 | -15.6 | 2.3 | -3.2 | -16.0 | 10.53 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.0 | -0.3 | | | | | |
| | | | | | | | | 248 | -1.7 | -0.1 | | | | | |
| | | | | | | | | 249 | -1.7 | -0.5 | | | | | |
| | | | | | | | | 345 | -2.3 | -0.5 | | | | | |
| | | | | | | | | 344 | -2.3 | -0.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 435 | 1 | 1 | VERIFI-1 | Cent | -90.8 | -632.0 | -64.7 | -83.2 | -639.6 | -6.72 | | | | | |
| | | | | 249 | -102.7 | -629.8 | -79.9 | -90.9 | -641.6 | -8.43 | | | | | |
| | | | | 250 | -102.7 | -633.2 | -61.2 | -95.8 | -640.1 | -6.50 | | | | | |
| | | | | 346 | -79.5 | -633.2 | -49.4 | -75.1 | -637.5 | -5.06 | | | | | |
| | | | | 345 | -79.5 | -629.8 | -68.1 | -71.2 | -638.1 | -6.96 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 69.1 | 426.8 | 66.9 | 438.9 | 56.9 | 79.74 | |
| | | | | | | | | 249 | 62.4 | 461.2 | 60.4 | 470.1 | 53.5 | 81.58 | |
| | | | | | | | | 250 | 112.7 | 524.9 | 55.4 | 532.3 | 105.4 | 82.48 | |
| | | | | | | | | 346 | 74.0 | 386.5 | 73.1 | 402.8 | 57.8 | 77.47 | |
| | | | | | | | | 345 | 27.0 | 334.5 | 78.1 | 353.2 | 8.3 | 76.54 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -54.5 | 208.6 | | | | | |
| | | | | | | | | 249 | -55.3 | 199.3 | | | | | |
| | | | | | | | | 250 | -55.3 | 217.8 | | | | | |
| | | | | | | | | 346 | -53.8 | 217.8 | | | | | |
| | | | | | | | | 345 | -53.8 | 199.3 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -72.0 | -582.0 | -49.5 | -67.3 | -586.7 | -5.50 |
| | | | | | | | | 249 | -83.9 | -568.2 | -52.6 | -78.3 | -573.8 | -6.12 | |
| | | | | | | | | 250 | -83.9 | -595.5 | -38.6 | -81.0 | -598.4 | -4.29 | |
| | | | | | | | | 346 | -60.3 | -595.5 | -46.5 | -56.3 | -599.5 | -4.93 | |
| | | | | | | | | 345 | -60.3 | -568.2 | -60.4 | -53.2 | -575.2 | -6.69 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -2.5 | -12.6 | 1.9 | -2.2 | -12.9 | 10.29 |
| | | | | 249 | -3.3 | -13.8 | 1.6 | -3.0 | -14.0 | 8.49 |
| | | | | 250 | -1.8 | -11.7 | 1.6 | -1.5 | -12.0 | 8.62 |
| | | | | 346 | -1.7 | -11.4 | 2.2 | -1.2 | -11.9 | 12.13 |
| | | | | 345 | -3.4 | -13.5 | 2.2 | -3.0 | -14.0 | 12.00 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -1.8 | -0.5 | | | | |
| | | | | 249 | -1.6 | -0.5 | | | | |
| | | | | 250 | -1.6 | -0.6 | | | | |
| | | | | 346 | -1.9 | -0.6 | | | | |
| | | | | 345 | -1.9 | -0.5 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 436 | 1 | 1 | VERIFI-1 | Cent | -93.4 | -634.5 | -53.5 | -88.2 | -639.8 | -5.59 |
| | | | | 250 | -104.0 | -633.4 | -65.5 | -96.0 | -641.4 | -6.95 |
| | | | | 251 | -104.0 | -634.9 | -49.7 | -99.4 | -639.5 | -5.30 |
| | | | | 347 | -83.4 | -634.9 | -41.5 | -80.3 | -638.0 | -4.28 |
| | | | | 346 | -83.4 | -633.4 | -57.3 | -77.5 | -639.3 | -5.88 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 78.5 | 473.7 | 57.5 | 481.9 | 70.3 | 81.89 |
| | | | | 250 | 75.9 | 517.6 | 52.1 | 523.7 | 69.9 | 83.36 |
| | | | | 251 | 120.2 | 572.6 | 47.1 | 577.5 | 115.4 | 84.12 |
| | | | | 347 | 80.3 | 425.5 | 62.6 | 436.5 | 69.3 | 80.04 |
| | | | | 346 | 37.6 | 379.2 | 67.5 | 392.1 | 24.7 | 79.21 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -49.1 | 224.9 | | | | |
| | | | | 250 | -49.0 | 217.8 | | | | |
| | | | | 251 | -49.0 | 231.9 | | | | |
| | | | | 347 | -49.2 | 231.9 | | | | |
| | | | | 346 | -49.2 | 217.8 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -79.9 | -606.0 | -33.8 | -77.7 | -608.2 | -3.66 |
| | | | | 250 | -90.7 | -597.0 | -37.1 | -88.0 | -599.7 | -4.17 |
| | | | | 251 | -90.7 | -614.8 | -25.0 | -89.5 | -616.0 | -2.72 |
| | | | | 347 | -69.2 | -614.8 | -30.6 | -67.4 | -616.5 | -3.20 |
| | | | | 346 | -69.2 | -597.0 | -42.7 | -65.7 | -600.4 | -4.60 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -2.4 | -10.9 | 1.7 | -2.0 | -11.3 | 11.12 |
| | | | | 250 | -3.0 | -12.0 | 1.5 | -2.8 | -12.2 | 9.35 |
| | | | | 251 | -1.6 | -10.2 | 1.4 | -1.4 | -10.4 | 9.23 |
| | | | | 347 | -1.7 | -9.9 | 2.0 | -1.3 | -10.4 | 12.88 |
| | | | | 346 | -3.2 | -11.7 | 2.1 | -2.7 | -12.2 | 13.03 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -1.6 | -0.5 | | | | |
| | | | | 250 | -1.5 | -0.6 | | | | |
| | | | | 251 | -1.5 | -0.5 | | | | |
| | | | | 347 | -1.7 | -0.5 | | | | |
| | | | | 346 | -1.7 | -0.6 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 437 | 1 | 1 | VERIFI-1 | Cent | -96.1 | -635.1 | -43.0 | -92.7 | -638.5 | -4.54 |
| | | | | 251 | -105.5 | -635.3 | -52.6 | -100.3 | -640.4 | -5.62 |
| | | | | 252 | -105.5 | -634.3 | -39.2 | -102.6 | -637.2 | -4.22 |
| | | | | 348 | -87.1 | -634.3 | -33.4 | -85.0 | -636.4 | -3.48 |
| | | | | 347 | -87.1 | -635.3 | -46.8 | -83.1 | -639.2 | -4.85 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 87.5 | 514.4 | 48.3 | 519.8 | 82.2 | 83.63 |
| | | | | 251 | 88.6 | 566.3 | 44.0 | 570.3 | 84.6 | 84.78 |
| | | | | 252 | 126.6 | 612.8 | 39.2 | 615.9 | 123.5 | 85.41 |
| | | | | 348 | 86.4 | 459.3 | 52.4 | 466.5 | 79.1 | 82.15 |
| | | | | 347 | 48.6 | 419.1 | 57.1 | 427.8 | 40.0 | 81.43 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -43.0 | 237.1 | | | | |
| | | | | 251 | -42.2 | 231.9 | | | | |
| | | | | 252 | -42.2 | 242.3 | | | | |
| | | | | 348 | -43.7 | 242.3 | | | | |
| | | | | 347 | -43.7 | 231.9 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -86.8 | -621.1 | -19.9 | -86.1 | -621.9 | -2.13 |
| | | | | 251 | -96.6 | -616.1 | -23.3 | -95.5 | -617.2 | -2.56 |
| | | | | 252 | -96.6 | -626.0 | -12.9 | -96.2 | -626.3 | -1.39 |
| | | | | 348 | -77.2 | -626.0 | -16.4 | -76.7 | -626.5 | -1.71 |
| | | | | 347 | -77.2 | -616.1 | -26.8 | -75.9 | -617.5 | -2.84 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -2.2 | -9.5 | 1.5 | -1.9 | -9.8 | 11.47 |
| | | | | 251 | -2.7 | -10.4 | 1.4 | -2.5 | -10.6 | 9.82 |
| | | | | 252 | -1.5 | -8.8 | 1.3 | -1.3 | -9.0 | 9.44 |
| | | | | 348 | -1.7 | -8.7 | 1.7 | -1.3 | -9.1 | 13.09 |
| | | | | 347 | -3.0 | -10.2 | 1.8 | -2.5 | -10.6 | 13.55 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -1.4 | -0.4 | | | | |
| | | | | 251 | -1.3 | -0.5 | | | | |
| | | | | 252 | -1.3 | -0.3 | | | | |
| | | | | 348 | -1.5 | -0.3 | | | | |
| | | | | 347 | -1.5 | -0.5 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 438 | 1 | 1 | VERIFI-1 | Cent | -98.3 | -633.2 | -33.4 | -96.2 | -635.3 | -3.56 |
| | | | | 252 | -106.7 | -634.7 | -41.3 | -103.5 | -637.9 | -4.44 |
| | | | | 253 | -106.7 | -631.2 | -29.6 | -105.0 | -632.9 | -3.22 |
| | | | | 349 | -90.2 | -631.2 | -25.5 | -89.0 | -632.4 | -2.69 |
| | | | | 348 | -90.2 | -634.7 | -37.2 | -87.7 | -637.2 | -3.89 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 95.7 | 548.8 | 39.7 | 552.3 | 92.3 | 85.03 |
| | | | | 252 | 100.0 | 607.4 | 36.3 | 610.0 | 97.4 | 85.92 |
| | | | | 253 | 131.9 | 645.9 | 32.0 | 647.8 | 129.9 | 86.45 |
| | | | | 349 | 91.8 | 488.0 | 42.9 | 492.6 | 87.2 | 83.89 |
| | | | | 348 | 59.3 | 453.9 | 47.3 | 459.5 | 53.7 | 83.26 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -36.7 | 246.0 | | | | |
| | | | | 252 | -35.6 | 242.3 | | | | |
| | | | | 253 | -35.6 | 249.7 | | | | |
| | | | | 349 | -37.7 | 249.7 | | | | |
| | | | | 348 | -37.7 | 242.3 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -92.4 | -628.9 | -7.6 | -92.3 | -629.0 | -0.81 |
| | | | | 252 | -101.1 | -627.1 | -11.2 | -100.8 | -627.4 | -1.22 |
| | | | | 253 | -101.1 | -630.5 | -2.2 | -101.1 | -630.5 | -0.23 |
| | | | | 349 | -83.9 | -630.5 | -3.9 | -83.8 | -630.5 | -0.41 |
| | | | | 348 | -83.9 | -627.1 | -13.0 | -83.6 | -627.4 | -1.37 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -2.0 | -8.3 | 1.3 | -1.8 | -8.6 | 11.30 |
| | | | | 252 | -2.4 | -9.0 | 1.2 | -2.2 | -9.2 | 9.85 |
| | | | | 253 | -1.4 | -7.7 | 1.0 | -1.2 | -7.9 | 9.17 |
| | | | | 349 | -1.6 | -7.7 | 1.4 | -1.3 | -8.0 | 12.70 |
| | | | | 348 | -2.7 | -8.9 | 1.6 | -2.3 | -9.3 | 13.46 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -1.2 | -0.2 | | | | |
| | | | | 252 | -1.1 | -0.3 | | | | |
| | | | | 253 | -1.1 | -0.1 | | | | |
| | | | | 349 | -1.2 | -0.1 | | | | |
| | | | | 348 | -1.2 | -0.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 439 | 1 | 1 | VERIFI-1 | Cent | -100.0 | -628.6 | -24.5 | -98.9 | -629.8 | -2.65 |
| | | | | 253 | -107.6 | -631.5 | -31.1 | -105.7 | -633.4 | -3.39 |
| | | | | 254 | -107.6 | -625.4 | -20.7 | -106.7 | -626.2 | -2.28 |
| | | | | 350 | -92.7 | -625.4 | -17.8 | -92.1 | -626.0 | -1.91 |
| | | | | 349 | -92.7 | -631.5 | -28.3 | -91.2 | -633.0 | -3.00 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 102.9 | 577.3 | 31.9 | 579.4 | 100.8 | 86.17 |
| | | | | 253 | 110.0 | 641.5 | 29.4 | 643.1 | 108.4 | 86.85 |
| | | | | 254 | 136.1 | 672.5 | 25.4 | 673.7 | 134.9 | 87.29 |
| | | | | 350 | 96.4 | 511.8 | 34.4 | 514.6 | 93.6 | 85.30 |
| | | | | 349 | 69.2 | 483.5 | 38.3 | 487.0 | 65.7 | 84.76 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -30.5 | 252.2 | | | | |
| | | | | 253 | -29.2 | 249.7 | | | | |
| | | | | 254 | -29.2 | 254.7 | | | | |
| | | | | 350 | -31.8 | 254.7 | | | | |
| | | | | 349 | -31.8 | 249.7 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -96.6 | -630.3 | 3.2 | -96.6 | -630.3 | 0.35 |
| | | | | 253 | -104.3 | -631.3 | -0.7 | -104.3 | -631.3 | -0.07 |
| | | | | 254 | -104.3 | -629.1 | 7.4 | -104.2 | -629.2 | 0.81 |
| | | | | 350 | -89.0 | -629.1 | 7.2 | -88.9 | -629.2 | 0.76 |
| | | | | 349 | -89.0 | -631.3 | -1.0 | -89.0 | -631.3 | -0.10 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -1.9 | -7.4 | 1.0 | -1.7 | -7.5 | 10.50 |
| | | | | 253 | -2.1 | -7.9 | 1.0 | -2.0 | -8.0 | 9.34 |
| | | | | 254 | -1.3 | -6.8 | 0.8 | -1.2 | -6.9 | 8.36 |
| | | | | 350 | -1.6 | -6.9 | 1.1 | -1.4 | -7.1 | 11.60 |
| | | | | 349 | -2.5 | -7.8 | 1.3 | -2.2 | -8.1 | 12.66 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.9 | -0.1 | | | | |
| | | | | 253 | -0.9 | -0.1 | | | | |
| | | | | 254 | -0.9 | 0.0 | | | | |
| | | | | 350 | -1.0 | 0.0 | | | | |
| | | | | 349 | -1.0 | -0.1 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 440 | 1 | 1 | VERIFI-1 | Cent | -101.3 | -621.2 | -16.3 | -100.8 | -621.8 | -1.79 |
| | | | | 254 | -108.1 | -625.6 | -22.0 | -107.2 | -626.5 | -2.43 |
| | | | | 255 | -108.1 | -616.5 | -12.4 | -107.8 | -616.8 | -1.40 |
| | | | | 351 | -94.8 | -616.5 | -10.5 | -94.6 | -616.7 | -1.16 |
| | | | | 350 | -94.8 | -625.6 | -20.1 | -94.1 | -626.4 | -2.17 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 109.0 | 600.3 | 24.9 | 601.6 | 107.8 | 87.11 |
| | | | | 254 | 118.5 | 669.0 | 23.1 | 670.0 | 117.6 | 87.60 |
| | | | | 255 | 139.3 | 693.3 | 19.6 | 694.0 | 138.6 | 87.98 |
| | | | | 351 | 100.3 | 530.9 | 26.7 | 532.5 | 98.6 | 86.47 |
| | | | | 350 | 78.0 | 508.1 | 30.2 | 510.2 | 75.9 | 86.00 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -24.7 | 256.2 | | | | |
| | | | | 254 | -23.4 | 254.7 | | | | |
| | | | | 255 | -23.4 | 257.8 | | | | |
| | | | | 351 | -26.0 | 257.8 | | | | |
| | | | | 350 | -26.0 | 254.7 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -99.6 | -626.2 | 12.8 | -99.2 | -626.5 | 1.39 |
| | | | | 254 | -106.4 | -629.8 | 8.6 | -106.2 | -629.9 | 0.94 |
| | | | | 255 | -106.4 | -622.6 | 16.1 | -105.9 | -623.1 | 1.78 |
| | | | | 351 | -92.8 | -622.6 | 17.1 | -92.3 | -623.1 | 1.84 |
| | | | | 350 | -92.8 | -629.8 | 9.6 | -92.6 | -629.9 | 1.02 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -1.8 | -6.6 | 0.8 | -1.6 | -6.7 | 8.95 |
| | | | | 254 | -1.9 | -6.9 | 0.7 | -1.8 | -7.0 | 8.20 |
| | | | | 255 | -1.3 | -6.2 | 0.6 | -1.2 | -6.2 | 6.90 |
| | | | | 351 | -1.6 | -6.3 | 0.8 | -1.5 | -6.4 | 9.65 |
| | | | | 350 | -2.2 | -7.0 | 1.0 | -2.0 | -7.2 | 11.02 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.7 | 0.1 | | | | |
| | | | | 254 | -0.7 | 0.0 | | | | |
| | | | | 255 | -0.7 | 0.1 | | | | |
| | | | | 351 | -0.7 | 0.1 | | | | |
| | | | | 350 | -0.7 | 0.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 441 | 1 | 1 | VERIFI-1 | Cent | -102.7 | -610.8 | -8.9 | -102.6 | -611.0 | -1.00 |
| | | | | 255 | -108.6 | -616.8 | -13.8 | -108.2 | -617.1 | -1.55 |
| | | | | 256 | -108.6 | -604.5 | -5.0 | -108.5 | -604.5 | -0.58 |
| | | | | 352 | -97.1 | -604.5 | -4.0 | -97.1 | -604.5 | -0.45 |
| | | | | 351 | -97.1 | -616.8 | -12.7 | -96.8 | -617.1 | -1.40 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 114.1 | 618.3 | 18.8 | 619.0 | 113.4 | 87.87 |
| | | | | 255 | 125.7 | 690.6 | 17.6 | 691.2 | 125.1 | 88.22 |
| | | | | 256 | 141.7 | 709.1 | 14.5 | 709.4 | 141.3 | 88.53 |
| | | | | 352 | 103.4 | 545.7 | 20.0 | 546.6 | 102.5 | 87.42 |
| | | | | 351 | 85.8 | 528.0 | 23.0 | 529.2 | 84.6 | 87.03 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -19.4 | 258.6 | | | | |
| | | | | 255 | -18.1 | 257.8 | | | | |
| | | | | 256 | -18.1 | 259.4 | | | | |
| | | | | 352 | -20.7 | 259.4 | | | | |
| | | | | 351 | -20.7 | 257.8 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -101.8 | -617.3 | 21.2 | -100.9 | -618.2 | 2.36 |
| | | | | 255 | -107.7 | -623.1 | 16.8 | -107.2 | -623.6 | 1.87 |
| | | | | 256 | -107.7 | -611.3 | 23.7 | -106.6 | -612.4 | 2.69 |
| | | | | 352 | -95.9 | -611.3 | 25.7 | -94.7 | -612.6 | 2.84 |
| | | | | 351 | -95.9 | -623.1 | 18.8 | -95.3 | -623.7 | 2.04 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | Cent | -1.7 | -6.1 | 0.5 | -1.6 | -6.1 | 6.55 | |
| | | | | 255 | -1.7 | -6.2 | 0.5 | -1.6 | -6.3 | 6.35 | |
| | | | | 256 | -1.3 | -5.7 | 0.4 | -1.3 | -5.8 | 4.71 | |
| | | | | 352 | -1.6 | -5.9 | 0.5 | -1.6 | -6.0 | 6.71 | |
| | | | | 351 | -2.0 | -6.4 | 0.7 | -1.9 | -6.5 | 8.41 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -0.5 | 0.2 | | | | | |
| | | | | 255 | -0.4 | 0.1 | | | | | |
| | | | | 256 | -0.4 | 0.2 | | | | | |
| | | | | 352 | -0.5 | 0.2 | | | | | |
| | | | | 351 | -0.5 | 0.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 442 | 1 | 1 | VERIFI-1 | Cent | -104.6 | -597.4 | -2.6 | -104.6 | -597.4 | -0.30 | |
| | | | | 256 | -109.3 | -604.9 | -6.4 | -109.2 | -604.9 | -0.74 | |
| | | | | 257 | -109.3 | -589.5 | 1.0 | -109.3 | -589.5 | 0.12 | |
| | | | | 353 | -100.2 | -589.5 | 1.2 | -100.2 | -589.5 | 0.14 | |
| | | | | 352 | -100.2 | -604.9 | -6.2 | -100.1 | -604.9 | -0.70 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 118.3 | 631.9 | 13.4 | 632.3 | 117.9 | 88.50 | |
| | | | | 256 | 131.5 | 707.0 | 12.8 | 707.3 | 131.2 | 88.73 | |
| | | | | 257 | 143.3 | 720.3 | 10.2 | 720.5 | 143.1 | 88.99 | |
| | | | | 353 | 105.8 | 556.8 | 14.1 | 557.2 | 105.4 | 88.21 | |
| | | | | 352 | 92.4 | 543.6 | 16.8 | 544.2 | 91.8 | 87.88 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -14.6 | 259.7 | | | | | |
| | | | | 256 | -13.5 | 259.4 | | | | | |
| | | | | 257 | -13.5 | 260.0 | | | | | |
| | | | | 353 | -15.8 | 260.0 | | | | | |
| | | | | 352 | -15.8 | 259.4 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -103.9 | -604.0 | 28.3 | -102.3 | -605.6 | 3.23 |
| | | | | | 256 | -108.7 | -611.8 | 24.1 | -107.6 | -612.9 | 2.73 |
| | | | | | 257 | -108.7 | -596.0 | 29.9 | -106.9 | -597.8 | 3.50 |
| | | | | | 353 | -99.1 | -596.0 | 32.6 | -97.0 | -598.1 | 3.73 |
| | | | | | 352 | -99.1 | -611.8 | 26.7 | -97.7 | -613.2 | 2.97 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -1.6 | -5.8 | 0.2 | -1.6 | -5.8 | 3.32 | |
| | | | | 256 | -1.5 | -5.8 | 0.3 | -1.5 | -5.8 | 3.77 | |
| | | | | 257 | -1.3 | -5.6 | 0.1 | -1.3 | -5.6 | 1.85 | |
| | | | | 353 | -1.7 | -5.8 | 0.2 | -1.7 | -5.8 | 2.82 | |
| | | | | 352 | -1.9 | -6.0 | 0.3 | -1.8 | -6.0 | 4.80 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -0.2 | 0.3 | | | | | |
| | | | | 256 | -0.2 | 0.2 | | | | | |
| | | | | 257 | -0.2 | 0.3 | | | | | |
| | | | | 353 | -0.2 | 0.3 | | | | | |
| | | | | 352 | -0.2 | 0.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 443 | 1 | 1 | VERIFI-1 | Cent | -107.6 | -581.4 | 1.8 | -107.6 | -581.4 | 0.22 | |
| | | | | 257 | -110.7 | -589.9 | -0.4 | -110.7 | -589.9 | -0.04 | |
| | | | | 258 | -110.7 | -572.6 | 4.7 | -110.6 | -572.6 | 0.58 | |
| | | | | 354 | -104.7 | -572.6 | 4.0 | -104.7 | -572.6 | 0.49 | |
| | | | | 353 | -104.7 | -589.9 | -1.0 | -104.7 | -589.9 | -0.12 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 121.5 | 641.5 | 8.9 | 641.7 | 121.3 | 89.02 | |
| | | | | 257 | 136.1 | 718.9 | 8.7 | 719.0 | 136.0 | 89.14 | |
| | | | | 258 | 144.2 | 727.7 | 6.5 | 727.8 | 144.2 | 89.36 | |
| | | | | 354 | 107.5 | 564.4 | 9.1 | 564.6 | 107.4 | 88.85 | |
| | | | | 353 | 98.0 | 555.2 | 11.4 | 555.5 | 97.7 | 88.58 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -10.3 | 260.0 | | | | | |
| | | | | 257 | -9.4 | 260.0 | | | | | |
| | | | | 258 | -9.4 | 260.0 | | | | | |
| | | | | 354 | -11.3 | 260.0 | | | | | |
| | | | | 353 | -11.3 | 260.0 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -106.5 | -587.1 | 33.5 | -104.1 | -589.5 | 3.97 |
| | | | | | 257 | -109.9 | -596.4 | 30.1 | -108.1 | -598.2 | 3.52 |
| | | | | | 258 | -109.9 | -577.9 | 33.9 | -107.5 | -580.3 | 4.12 |
| | | | | | 354 | -103.1 | -577.9 | 37.0 | -100.2 | -580.7 | 4.42 |
| | | | | | 353 | -103.1 | -596.4 | 33.1 | -100.8 | -598.6 | 3.82 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | Cent | -1.6 | -5.7 | -0.0 | -1.6 | -5.7 | -0.50 | |
| | | | | 257 | -1.4 | -5.6 | 0.0 | -1.4 | -5.6 | 0.64 | |
| | | | | 258 | -1.4 | -5.6 | -0.1 | -1.4 | -5.6 | -1.45 | |
| | | | | 354 | -1.8 | -5.9 | -0.1 | -1.8 | -5.9 | -1.70 | |
| | | | | 353 | -1.8 | -5.8 | 0.0 | -1.8 | -5.8 | 0.45 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.1 | 0.3 | | | | | |
| | | | | 257 | 0.1 | 0.3 | | | | | |
| | | | | 258 | 0.1 | 0.3 | | | | | |
| | | | | 354 | 0.1 | 0.3 | | | | | |
| | | | | 353 | 0.1 | 0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 444 | 1 | 1 | VERIFI-1 | Cent | -111.7 | -563.9 | 3.3 | -111.6 | -563.9 | 0.42 | |
| | | | | 258 | -112.6 | -573.0 | 3.2 | -112.5 | -573.0 | 0.40 | |
| | | | | 259 | -112.6 | -554.8 | 4.2 | -112.5 | -554.9 | 0.54 | |
| | | | | 355 | -110.7 | -554.8 | 3.4 | -110.7 | -554.9 | 0.44 | |
| | | | | 354 | -110.7 | -573.0 | 2.4 | -110.7 | -573.0 | 0.30 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 123.9 | 647.8 | 5.1 | 647.8 | 123.8 | 89.44 | |
| | | | | 258 | 139.7 | 726.8 | 5.3 | 726.8 | 139.6 | 89.49 | |
| | | | | 259 | 144.6 | 731.9 | 3.4 | 731.9 | 144.6 | 89.67 | |
| | | | | 355 | 108.6 | 569.0 | 4.9 | 569.0 | 108.5 | 89.38 | |
| | | | | 354 | 102.5 | 563.4 | 6.8 | 563.5 | 102.4 | 89.15 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -6.5 | 259.7 | | | | | |
| | | | | 258 | -5.7 | 260.0 | | | | | |
| | | | | 259 | -5.7 | 259.5 | | | | | |
| | | | | 355 | -7.3 | 259.5 | | | | | |
| | | | | 354 | -7.3 | 260.0 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -109.6 | -568.1 | 35.9 | -106.9 | -570.9 | 4.45 |
| | | | | | 258 | -111.2 | -578.1 | 33.7 | -108.7 | -580.6 | 4.11 |
| | | | | | 259 | -111.2 | -558.3 | 33.9 | -108.6 | -560.8 | 4.31 |
| | | | | | 355 | -108.0 | -558.3 | 38.0 | -104.8 | -561.5 | 4.79 |
| | | | | | 354 | -108.0 | -578.1 | 37.8 | -104.9 | -581.2 | 4.57 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -1.7 | -5.9 | -0.3 | -1.6 | -5.9 | -4.41 | |
| | | | | 258 | -1.3 | -5.6 | -0.2 | -1.3 | -5.6 | -2.66 | |
| | | | | 259 | -1.6 | -5.9 | -0.4 | -1.6 | -5.9 | -4.73 | |
| | | | | 355 | -2.0 | -6.2 | -0.5 | -2.0 | -6.2 | -6.22 | |
| | | | | 354 | -1.7 | -5.8 | -0.3 | -1.7 | -5.9 | -4.09 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.4 | 0.3 | | | | | |
| | | | | 258 | 0.3 | 0.3 | | | | | |
| | | | | 259 | 0.3 | 0.3 | | | | | |
| | | | | 355 | 0.4 | 0.3 | | | | | |
| | | | | 354 | 0.4 | 0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 445 | 1 | 1 | VERIFI-1 | Cent | -116.8 | -545.5 | 1.2 | -116.8 | -545.5 | 0.15 | |
| | | | | 259 | -115.2 | -554.8 | 10.5 | -115.0 | -555.1 | 1.37 | |
| | | | | 260 | -115.2 | -537.2 | -8.0 | -115.1 | -537.4 | -1.08 | |
| | | | | 356 | -118.1 | -537.2 | -8.2 | -117.9 | -537.4 | -1.12 | |
| | | | | 355 | -118.1 | -554.8 | 10.3 | -117.8 | -555.1 | 1.35 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 125.4 | 651.0 | 1.4 | 651.0 | 125.4 | 89.84 | |
| | | | | 259 | 142.3 | 731.4 | 2.2 | 731.4 | 142.3 | 89.78 | |
| | | | | 260 | 144.4 | 733.3 | 0.2 | 733.3 | 144.4 | 89.98 | |
| | | | | 356 | 109.0 | 570.9 | 0.7 | 570.9 | 109.0 | 89.92 | |
| | | | | 355 | 106.0 | 568.4 | 2.7 | 568.5 | 106.0 | 89.66 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -2.4 | 259.1 | | | | | |
| | | | | 259 | -2.0 | 259.5 | | | | | |
| | | | | 260 | -2.0 | 258.7 | | | | | |
| | | | | 356 | -2.9 | 258.7 | | | | | |
| | | | | 355 | -2.9 | 259.5 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -113.3 | -547.2 | 35.0 | -110.5 | -550.0 | 4.58 |
| | | | | | 259 | -112.8 | -558.0 | 41.3 | -109.0 | -561.8 | 5.26 |
| | | | | | 260 | -112.8 | -537.5 | 23.2 | -111.5 | -538.8 | 3.11 |
| | | | | | 356 | -113.5 | -537.5 | 28.7 | -111.5 | -539.5 | 3.85 |
| | | | | | 355 | -113.5 | -558.0 | 46.8 | -108.6 | -562.9 | 5.95 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Cent | -1.8 | -6.4 | -0.7 | -1.7 | -6.5 | -8.39 | |
| | | | | 259 | -1.2 | -5.8 | -0.5 | -1.2 | -5.9 | -5.86 | |
| | | | | 260 | -2.0 | -6.7 | -0.7 | -1.9 | -6.8 | -8.34 | |
| | | | | 356 | -2.4 | -6.9 | -0.9 | -2.3 | -7.1 | -10.96 | |
| | | | | 355 | -1.6 | -6.1 | -0.7 | -1.5 | -6.2 | -8.39 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.7 | 0.3 | | | | | |
| | | | | 259 | 0.6 | 0.3 | | | | | |
| | | | | 260 | 0.6 | 0.3 | | | | | |
| | | | | 356 | 0.7 | 0.3 | | | | | |
| | | | | 355 | 0.7 | 0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 446 | 1 | 1 | VERIFI-1 | Cent | -119.8 | -536.5 | -4.2 | -119.8 | -536.6 | -0.58 | |
| | | | | 260 | -116.5 | -538.9 | -5.2 | -116.4 | -538.9 | -0.70 | |
| | | | | 217 | -116.5 | -534.3 | -2.5 | -116.5 | -534.3 | -0.34 | |
| | | | | 218 | -123.0 | -534.3 | -3.3 | -123.0 | -534.3 | -0.46 | |
| | | | | 356 | -123.0 | -538.9 | -6.0 | -122.9 | -539.0 | -0.82 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 126.1 | 651.6 | -1.3 | 651.6 | 126.1 | -89.86 | |
| | | | | 260 | 144.1 | 733.2 | -0.7 | 733.2 | 144.1 | -89.94 | |
| | | | | 217 | 143.5 | 732.3 | -1.7 | 732.3 | 143.5 | -89.84 | |
| | | | | 218 | 108.1 | 570.2 | -2.0 | 570.2 | 108.1 | -89.75 | |
| | | | | 356 | 108.6 | 570.9 | -1.0 | 570.9 | 108.6 | -89.88 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.8 | 258.5 | | | | | |
| | | | | 260 | 0.9 | 258.7 | | | | | |
| | | | | 217 | 0.9 | 258.3 | | | | | |
| | | | | 218 | 0.7 | 258.3 | | | | | |
| | | | | 356 | 0.7 | 258.7 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -114.8 | -535.5 | 31.1 | -112.5 | -537.8 | 4.20 |
| | | | | | 260 | -112.8 | -538.8 | 27.3 | -111.1 | -540.6 | 3.66 |
| | | | | | 217 | -112.8 | -532.4 | 28.8 | -110.8 | -534.4 | 3.91 |
| | | | | | 218 | -116.4 | -532.4 | 34.8 | -113.5 | -535.3 | 4.75 |
| | | | | | 356 | -116.4 | -538.8 | 33.3 | -113.8 | -541.5 | 4.48 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -2.0 | -7.1 | -1.0 | -1.8 | -7.3 | -11.15 | |
| | | | | 260 | -1.5 | -6.6 | -0.8 | -1.3 | -6.7 | -8.83 | |
| | | | | 217 | -2.1 | -7.3 | -1.0 | -1.9 | -7.5 | -10.07 | |
| | | | | 218 | -2.6 | -7.5 | -1.3 | -2.3 | -7.8 | -13.50 | |
| | | | | 356 | -1.9 | -6.8 | -1.1 | -1.7 | -7.1 | -12.16 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 1.1 | 0.2 | | | | | |
| | | | | 260 | 1.0 | 0.3 | | | | | |
| | | | | 217 | 1.0 | 0.2 | | | | | |
| | | | | 218 | 1.2 | 0.2 | | | | | |
| | | | | 356 | 1.2 | 0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 447 | 1 | 1 | VERIFI-1 | Cent | -21.1 | -619.5 | -55.9 | -15.9 | -624.7 | -5.29 | |
| | | | | 341 | -29.7 | -627.2 | -77.8 | -19.7 | -637.2 | -7.30 | |
| | | | | 342 | -29.7 | -612.0 | -68.1 | -21.8 | -619.9 | -6.58 | |
| | | | | 358 | -12.4 | -612.0 | -34.0 | -10.5 | -614.0 | -3.24 | |
| | | | | 357 | -12.4 | -627.2 | -43.7 | -9.3 | -630.3 | -4.05 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 32.6 | 140.0 | 122.0 | 219.6 | -47.0 | 56.88 | |
| | | | | 341 | 11.9 | 122.8 | 113.1 | 193.3 | -58.6 | 58.07 | |
| | | | | 342 | 60.3 | 193.4 | 113.3 | 258.2 | -4.5 | 60.22 | |
| | | | | 358 | 41.4 | 137.4 | 129.2 | 227.2 | -48.4 | 55.18 | |
| | | | | 357 | 16.9 | 106.5 | 129.1 | 198.3 | -74.9 | 54.58 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -38.8 | 58.0 | | | | | |
| | | | | 341 | -50.5 | 28.8 | | | | | |
| | | | | 342 | -50.5 | 87.1 | | | | | |
| | | | | 358 | -27.0 | 87.1 | | | | | |
| | | | | 357 | -27.0 | 28.8 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -19.5 | -368.2 | -98.8 | 6.6 | -394.2 | -14.76 |
| | | | | | 341 | -25.8 | -330.1 | -85.9 | -3.2 | -352.7 | -14.72 |
| | | | | | 342 | -25.8 | -406.1 | -93.9 | -3.9 | -428.0 | -13.14 |
| | | | | | 358 | -13.2 | -406.1 | -111.6 | 16.3 | -435.6 | -14.81 |
| | | | | | 357 | -13.2 | -330.1 | -103.6 | 17.7 | -361.0 | -16.59 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|--------|-------|--------|--------|
| | | | | Cent | -5.0 | -23.0 | 3.9 | -4.2 | -23.8 | 11.72 |
| | | | | 341 | -7.6 | -25.1 | 3.5 | -7.0 | -25.8 | 10.83 |
| | | | | 342 | -1.8 | -20.7 | 3.2 | -1.3 | -21.2 | 9.41 |
| | | | | 358 | -2.2 | -21.1 | 4.3 | -1.2 | -22.0 | 12.30 |
| | | | | 357 | -8.4 | -25.0 | 4.6 | -7.2 | -26.2 | 14.42 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -7.6 | 0.0 | | | | |
| | | | | 341 | -7.2 | -0.4 | | | | |
| | | | | 342 | -7.2 | 0.5 | | | | |
| | | | | 358 | -8.0 | 0.5 | | | | |
| | | | | 357 | -8.0 | -0.4 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 448 | 1 | 1 | VERIFI-1 | Cent | -43.0 | -613.1 | -82.5 | -31.3 | -624.8 | -8.07 |
| | | | | 342 | -60.6 | -617.4 | -115.1 | -37.7 | -640.3 | -11.23 |
| | | | | 343 | -60.6 | -608.2 | -81.0 | -48.9 | -619.9 | -8.24 |
| | | | | 359 | -25.7 | -608.2 | -49.9 | -21.5 | -612.4 | -4.86 |
| | | | | 358 | -25.7 | -617.4 | -84.0 | -14.0 | -629.1 | -7.93 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 27.6 | 184.6 | 125.0 | 253.7 | -41.5 | 61.06 |
| | | | | 342 | 12.8 | 183.9 | 117.2 | 243.5 | -46.7 | 63.06 |
| | | | | 343 | 61.9 | 250.6 | 114.2 | 304.3 | 8.1 | 64.78 |
| | | | | 359 | 33.6 | 174.2 | 131.7 | 253.2 | -45.4 | 59.05 |
| | | | | 358 | 2.1 | 129.5 | 134.7 | 214.8 | -83.2 | 57.65 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -42.9 | 102.5 | | | | |
| | | | | 342 | -52.6 | 87.1 | | | | |
| | | | | 343 | -52.6 | 117.8 | | | | |
| | | | | 359 | -33.2 | 117.8 | | | | |
| | | | | 358 | -33.2 | 87.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -26.2 | -438.6 | -93.5 | -6.0 | -458.8 | -12.20 |
| | | | | 342 | -36.5 | -407.6 | -91.8 | -15.1 | -429.0 | -13.16 |
| | | | | 343 | -36.5 | -469.3 | -81.5 | -21.7 | -484.2 | -10.32 |
| | | | | 359 | -16.1 | -469.3 | -95.3 | 3.1 | -488.5 | -11.40 |
| | | | | 358 | -16.1 | -407.6 | -105.5 | 10.5 | -434.2 | -14.16 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -3.2 | -19.5 | 3.9 | -2.4 | -20.4 | 12.71 |
| | | | | 342 | -4.8 | -21.3 | 3.4 | -4.1 | -21.9 | 11.17 |
| | | | | 343 | -1.3 | -17.6 | 3.2 | -0.7 | -18.2 | 10.77 |
| | | | | 359 | -1.4 | -17.5 | 4.4 | -0.2 | -18.6 | 14.27 |
| | | | | 358 | -5.5 | -21.7 | 4.6 | -4.3 | -22.9 | 14.68 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -4.5 | 0.1 | | | | |
| | | | | 342 | -4.0 | 0.5 | | | | |
| | | | | 343 | -4.0 | -0.2 | | | | |
| | | | | 359 | -4.9 | -0.2 | | | | |
| | | | | 358 | -4.9 | 0.5 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 449 | 1 | 1 | VERIFI-1 | Cent | -52.8 | -612.7 | -82.1 | -41.0 | -624.4 | -8.17 |
| | | | | 343 | -69.3 | -611.1 | -109.9 | -47.8 | -632.6 | -11.04 |
| | | | | 344 | -69.3 | -612.8 | -76.4 | -58.8 | -623.4 | -7.85 |
| | | | | 360 | -37.2 | -612.8 | -54.2 | -32.2 | -617.9 | -5.33 |
| | | | | 359 | -37.2 | -611.1 | -87.8 | -24.1 | -624.2 | -8.50 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 26.1 | 230.9 | 118.0 | 284.8 | -27.7 | 65.48 |
| | | | | 343 | 13.9 | 241.0 | 111.5 | 286.5 | -31.7 | 67.77 |
| | | | | 344 | 65.0 | 304.5 | 106.8 | 345.2 | 24.3 | 69.14 |
| | | | | 360 | 30.5 | 211.8 | 123.6 | 274.4 | -32.1 | 63.13 |
| | | | | 359 | -5.0 | 166.5 | 128.3 | 235.1 | -73.6 | 61.88 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -47.7 | 130.4 | | | | |
| | | | | 343 | -56.5 | 117.8 | | | | |
| | | | | 344 | -56.5 | 143.1 | | | | |
| | | | | 360 | -39.0 | 143.1 | | | | |
| | | | | 359 | -39.0 | 117.8 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -32.8 | -496.4 | -77.6 | -20.2 | -509.0 | -9.25 |
| | | | | 343 | -43.0 | -470.9 | -79.0 | -28.9 | -485.0 | -10.13 |
| | | | | 344 | -43.0 | -521.2 | -64.5 | -34.4 | -529.8 | -7.55 |
| | | | | 360 | -23.0 | -521.2 | -76.2 | -11.6 | -532.6 | -8.50 |
| | | | | 359 | -23.0 | -470.9 | -90.6 | -5.4 | -488.6 | -11.01 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -2.8 | -16.5 | 3.7 | -1.9 | -17.4 | 14.07 | |
| | | | | | | | | 343 | -4.0 | -18.1 | 3.2 | -3.3 | -18.9 | 12.28 | |
| | | | | | | | | 344 | -1.4 | -15.1 | 3.1 | -0.7 | -15.8 | 12.27 | |
| | | | | | | | | 360 | -1.4 | -14.7 | 4.1 | -0.3 | -15.9 | 15.92 | |
| | | | | | | | | 359 | -4.4 | -18.1 | 4.2 | -3.2 | -19.3 | 15.81 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -3.1 | -0.4 | | | | | |
| | | | | | | | | 343 | -2.9 | -0.2 | | | | | |
| | | | | | | | | 344 | -2.9 | -0.7 | | | | | |
| | | | | | | | | 360 | -3.3 | -0.7 | | | | | |
| | | | | | | | | 359 | -3.3 | -0.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 450 | 1 | 1 | VERIFI-1 | Cent | -59.7 | -616.3 | -72.8 | -50.4 | -625.7 | -7.33 | | | | | |
| | | | | 344 | -73.6 | -613.9 | -94.6 | -57.5 | -630.0 | -9.65 | | | | | |
| | | | | 345 | -73.6 | -617.6 | -66.2 | -65.7 | -625.6 | -6.84 | | | | | |
| | | | | 361 | -46.6 | -617.6 | -51.0 | -42.1 | -622.1 | -5.06 | | | | | |
| | | | | 360 | -46.6 | -613.9 | -79.3 | -35.7 | -624.8 | -7.81 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 29.1 | 275.5 | 107.4 | 315.8 | -11.2 | 69.46 | |
| | | | | | | | | 344 | 20.1 | 295.5 | 102.2 | 329.3 | -13.7 | 71.71 | |
| | | | | | | | | 345 | 70.2 | 354.0 | 96.4 | 383.6 | 40.5 | 72.91 | |
| | | | | | | | | 361 | 31.7 | 247.9 | 111.9 | 295.4 | -15.8 | 67.01 | |
| | | | | | | | | 360 | -5.6 | 204.6 | 117.7 | 257.3 | -58.3 | 65.88 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -49.4 | 153.5 | | | | | |
| | | | | | | | | 344 | -56.6 | 143.1 | | | | | |
| | | | | | | | | 345 | -56.6 | 164.0 | | | | | |
| | | | | | | | | 361 | -42.2 | 164.0 | | | | | |
| | | | | | | | | 360 | -42.2 | 143.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -41.4 | -541.6 | -59.2 | -34.5 | -548.5 | -6.65 |
| | | | | | | | | 344 | -50.5 | -522.8 | -61.4 | -42.6 | -530.6 | -7.29 | |
| | | | | | | | | 345 | -50.5 | -560.0 | -47.6 | -46.0 | -564.4 | -5.30 | |
| | | | | | | | | 361 | -32.5 | -560.0 | -56.9 | -26.5 | -566.1 | -6.09 | |
| | | | | | | | | 360 | -32.5 | -522.8 | -70.7 | -22.6 | -532.7 | -8.04 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.7 | -14.0 | 3.4 | -1.7 | -15.0 | 15.59 | |
| | | | | | | | | 344 | -3.6 | -15.5 | 3.1 | -2.9 | -16.3 | 13.74 | |
| | | | | | | | | 345 | -1.6 | -12.9 | 3.0 | -0.8 | -13.7 | 13.72 | |
| | | | | | | | | 361 | -1.7 | -12.5 | 3.8 | -0.5 | -13.7 | 17.49 | |
| | | | | | | | | 360 | -3.9 | -15.2 | 3.9 | -2.7 | -16.4 | 17.37 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.4 | -0.8 | | | | | |
| | | | | | | | | 344 | -2.3 | -0.7 | | | | | |
| | | | | | | | | 345 | -2.3 | -0.8 | | | | | |
| | | | | | | | | 361 | -2.5 | -0.8 | | | | | |
| | | | | | | | | 360 | -2.5 | -0.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 451 | 1 | 1 | VERIFI-1 | Cent | -65.9 | -620.1 | -61.3 | -59.2 | -626.8 | -6.23 | | | | | |
| | | | | 345 | -77.3 | -618.5 | -78.1 | -66.2 | -629.6 | -8.05 | | | | | |
| | | | | 346 | -77.3 | -620.8 | -55.4 | -71.7 | -626.4 | -5.76 | | | | | |
| | | | | 362 | -55.1 | -620.8 | -44.4 | -51.6 | -624.3 | -4.46 | | | | | |
| | | | | 361 | -55.1 | -618.5 | -67.1 | -47.2 | -626.4 | -6.70 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 35.0 | 316.7 | 95.1 | 345.8 | 5.9 | 72.98 | |
| | | | | | | | | 345 | 29.3 | 345.8 | 91.0 | 370.1 | 5.0 | 75.05 | |
| | | | | | | | | 346 | 76.3 | 398.2 | 84.7 | 419.1 | 55.4 | 76.13 | |
| | | | | | | | | 362 | 35.7 | 281.5 | 98.6 | 316.2 | 1.0 | 70.63 | |
| | | | | | | | | 361 | -1.2 | 241.3 | 105.0 | 280.4 | -40.4 | 69.56 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -48.2 | 172.5 | | | | | |
| | | | | | | | | 345 | -53.8 | 164.0 | | | | | |
| | | | | | | | | 346 | -53.8 | 181.0 | | | | | |
| | | | | | | | | 362 | -42.5 | 181.0 | | | | | |
| | | | | | | | | 361 | -42.5 | 164.0 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -51.1 | -574.6 | -41.7 | -47.8 | -577.9 | -4.52 |
| | | | | | | | | 345 | -58.9 | -561.8 | -44.1 | -55.0 | -565.6 | -4.98 | |
| | | | | | | | | 346 | -58.9 | -587.1 | -32.7 | -56.9 | -589.1 | -3.53 | |
| | | | | | | | | 362 | -43.5 | -587.1 | -39.2 | -40.7 | -589.9 | -4.10 | |
| | | | | | | | | 361 | -43.5 | -561.8 | -50.6 | -38.6 | -566.7 | -5.53 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -2.6 | -12.0 | 3.1 | -1.7 | -12.9 | 16.90 | |
| | | | | | | | | 345 | -3.4 | -13.3 | 2.9 | -2.6 | -14.1 | 15.07 | |
| | | | | | | | | 346 | -1.6 | -11.1 | 2.7 | -0.9 | -11.9 | 14.87 | |
| | | | | | | | | 362 | -1.9 | -10.7 | 3.4 | -0.7 | -11.8 | 18.76 | |
| | | | | | | | | 361 | -3.7 | -12.9 | 3.5 | -2.5 | -14.1 | 18.83 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.0 | -0.8 | | | | | |
| | | | | | | | | 345 | -1.9 | -0.8 | | | | | |
| | | | | | | | | 346 | -1.9 | -0.8 | | | | | |
| | | | | | | | | 362 | -2.0 | -0.8 | | | | | |
| | | | | | | | | 361 | -2.0 | -0.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 452 | 1 | 1 | VERIFI-1 | Cent | -71.6 | -622.1 | -50.1 | -67.1 | -626.6 | -5.16 | | | | | |
| | | | | 346 | -81.0 | -621.7 | -63.3 | -73.7 | -629.0 | -6.58 | | | | | |
| | | | | 347 | -81.0 | -621.8 | -45.2 | -77.2 | -625.5 | -4.74 | | | | | |
| | | | | 363 | -62.7 | -621.8 | -37.0 | -60.2 | -624.2 | -3.77 | | | | | |
| | | | | 362 | -62.7 | -621.7 | -55.1 | -57.3 | -627.1 | -5.57 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 42.5 | 353.9 | 82.3 | 374.3 | 22.1 | 76.07 | |
| | | | | | | | | 346 | 40.0 | 390.9 | 79.1 | 408.0 | 23.0 | 77.87 | |
| | | | | | | | | 347 | 82.6 | 436.9 | 72.7 | 451.2 | 68.3 | 78.84 | |
| | | | | | | | | 363 | 41.2 | 312.1 | 85.0 | 336.5 | 16.7 | 73.95 | |
| | | | | | | | | 362 | 6.2 | 275.6 | 91.4 | 303.7 | -21.9 | 72.92 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -45.0 | 187.6 | | | | | |
| | | | | | | | | 346 | -49.2 | 181.0 | | | | | |
| | | | | | | | | 347 | -49.2 | 194.2 | | | | | |
| | | | | | | | | 363 | -40.7 | 194.2 | | | | | |
| | | | | | | | | 362 | -40.7 | 181.0 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -60.8 | -596.8 | -26.4 | -59.5 | -598.1 | -2.81 |
| | | | | | | | | 346 | -67.4 | -589.0 | -28.9 | -65.8 | -590.6 | -3.17 | |
| | | | | | | | | 347 | -67.4 | -604.6 | -19.9 | -66.6 | -605.3 | -2.12 | |
| | | | | | | | | 363 | -54.4 | -604.6 | -23.9 | -53.3 | -605.6 | -2.48 | |
| | | | | | | | | 362 | -54.4 | -589.0 | -32.9 | -52.3 | -591.0 | -3.51 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.6 | -10.3 | 2.8 | -1.7 | -11.2 | 17.80 | |
| | | | | | | | | 346 | -3.2 | -11.4 | 2.6 | -2.4 | -12.2 | 16.07 | |
| | | | | | | | | 347 | -1.6 | -9.6 | 2.4 | -1.0 | -10.3 | 15.59 | |
| | | | | | | | | 363 | -2.0 | -9.3 | 3.0 | -0.9 | -10.3 | 19.57 | |
| | | | | | | | | 362 | -3.5 | -11.0 | 3.1 | -2.3 | -12.1 | 19.91 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -1.7 | -0.8 | | | | | |
| | | | | | | | | 346 | -1.7 | -0.8 | | | | | |
| | | | | | | | | 347 | -1.7 | -0.7 | | | | | |
| | | | | | | | | 363 | -1.7 | -0.7 | | | | | |
| | | | | | | | | 362 | -1.7 | -0.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 453 | 1 | 1 | VERIFI-1 | Cent | -76.6 | -621.8 | -40.1 | -73.7 | -624.7 | -4.18 | | | | | |
| | | | | 347 | -84.5 | -622.6 | -50.5 | -79.8 | -627.3 | -5.32 | | | | | |
| | | | | 348 | -84.5 | -620.5 | -35.8 | -82.1 | -622.9 | -3.80 | | | | | |
| | | | | 364 | -69.1 | -620.5 | -29.6 | -67.5 | -622.1 | -3.06 | | | | | |
| | | | | 363 | -69.1 | -622.6 | -44.3 | -65.6 | -626.2 | -4.55 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 50.4 | 386.7 | 69.7 | 400.5 | 36.6 | 78.74 | |
| | | | | | | | | 347 | 50.9 | 430.6 | 67.3 | 442.1 | 39.3 | 80.24 | |
| | | | | | | | | 348 | 88.5 | 470.0 | 61.1 | 479.6 | 79.0 | 81.12 | |
| | | | | | | | | 364 | 47.1 | 339.2 | 71.7 | 355.9 | 30.5 | 76.92 | |
| | | | | | | | | 363 | 15.2 | 306.9 | 77.9 | 326.4 | -4.3 | 75.94 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -40.6 | 199.3 | | | | | |
| | | | | | | | | 347 | -43.7 | 194.2 | | | | | |
| | | | | | | | | 348 | -43.7 | 204.3 | | | | | |
| | | | | | | | | 364 | -37.5 | 204.3 | | | | | |
| | | | | | | | | 363 | -37.5 | 194.2 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -69.5 | -610.3 | -13.5 | -69.1 | -610.6 | -1.43 |
| | | | | | | | | 347 | -75.1 | -606.2 | -16.2 | -74.6 | -606.7 | -1.75 | |
| | | | | | | | | 348 | -75.1 | -614.2 | -9.0 | -74.9 | -614.3 | -0.96 | |
| | | | | | | | | 364 | -63.9 | -614.2 | -10.8 | -63.7 | -614.4 | -1.13 | |
| | | | | | | | | 363 | -63.9 | -606.2 | -18.0 | -63.3 | -606.8 | -1.90 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -2.4 | -9.0 | 2.4 | -1.7 | -9.7 | 18.17 | |
| | | | | 347 | -2.9 | -9.9 | 2.3 | -2.2 | -10.5 | 16.57 | |
| | | | | 348 | -1.6 | -8.3 | 2.1 | -1.0 | -8.9 | 15.78 | |
| | | | | 364 | -2.0 | -8.1 | 2.5 | -1.1 | -9.0 | 19.79 | |
| | | | | 363 | -3.2 | -9.5 | 2.7 | -2.2 | -10.5 | 20.46 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.4 | -0.6 | | | | | |
| | | | | 347 | -1.5 | -0.7 | | | | | |
| | | | | 348 | -1.5 | -0.6 | | | | | |
| | | | | 364 | -1.4 | -0.6 | | | | | |
| | | | | 363 | -1.4 | -0.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 454 | 1 | 1 | VERIFI-1 | Cent | -80.6 | -619.2 | -31.0 | -78.9 | -621.0 | -3.28 | |
| | | | | 348 | -87.4 | -621.2 | -39.6 | -84.5 | -624.1 | -4.22 | |
| | | | | 349 | -87.4 | -616.8 | -27.1 | -86.1 | -618.2 | -2.92 | |
| | | | | 365 | -74.1 | -616.8 | -22.5 | -73.2 | -617.7 | -2.36 | |
| | | | | 364 | -74.1 | -621.2 | -34.9 | -71.9 | -623.4 | -3.64 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 58.2 | 415.0 | 57.7 | 424.1 | 49.1 | 81.03 | |
| | | | | 348 | 61.4 | 464.6 | 56.0 | 472.3 | 53.8 | 82.24 | |
| | | | | 349 | 93.7 | 497.8 | 50.2 | 504.0 | 87.6 | 83.02 | |
| | | | | 365 | 53.0 | 362.6 | 59.2 | 373.6 | 42.1 | 79.53 | |
| | | | | 364 | 24.7 | 334.7 | 65.0 | 347.8 | 11.6 | 78.62 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -35.6 | 208.0 | | | | | |
| | | | | 348 | -37.7 | 204.3 | | | | | |
| | | | | 349 | -37.7 | 211.7 | | | | | |
| | | | | 365 | -33.4 | 211.7 | | | | | |
| | | | | 364 | -33.4 | 204.3 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -76.5 | -616.5 | -2.6 | -76.5 | -616.6 | -0.28 |
| | | | | | 348 | -81.4 | -615.6 | -5.6 | -81.3 | -615.6 | -0.60 |
| | | | | | 349 | -81.4 | -617.4 | 0.5 | -81.4 | -617.4 | 0.05 |
| | | | | | 365 | -71.6 | -617.4 | 0.3 | -71.6 | -617.4 | 0.04 |
| | | | | | 364 | -71.6 | -615.6 | -5.7 | -71.6 | -615.6 | -0.60 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -2.3 | -7.8 | 2.0 | -1.7 | -8.5 | 17.87 | |
| | | | | 348 | -2.7 | -8.6 | 1.9 | -2.1 | -9.1 | 16.47 | |
| | | | | 349 | -1.6 | -7.3 | 1.7 | -1.1 | -7.8 | 15.34 | |
| | | | | 365 | -2.0 | -7.2 | 2.1 | -1.3 | -7.9 | 19.29 | |
| | | | | 364 | -3.0 | -8.3 | 2.3 | -2.2 | -9.1 | 20.31 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.2 | -0.5 | | | | | |
| | | | | 348 | -1.2 | -0.6 | | | | | |
| | | | | 349 | -1.2 | -0.4 | | | | | |
| | | | | 365 | -1.1 | -0.4 | | | | | |
| | | | | 364 | -1.1 | -0.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 455 | 1 | 1 | VERIFI-1 | Cent | -83.8 | -614.1 | -22.6 | -82.8 | -615.1 | -2.44 | |
| | | | | 349 | -89.8 | -617.3 | -29.9 | -88.1 | -619.0 | -3.24 | |
| | | | | 350 | -89.8 | -610.5 | -18.8 | -89.2 | -611.2 | -2.07 | |
| | | | | 366 | -78.0 | -610.5 | -15.3 | -77.5 | -611.0 | -1.65 | |
| | | | | 365 | -78.0 | -617.3 | -26.4 | -76.7 | -618.6 | -2.80 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 65.5 | 438.8 | 46.8 | 444.6 | 59.7 | 82.97 | |
| | | | | 349 | 71.1 | 493.3 | 45.6 | 498.2 | 66.3 | 83.91 | |
| | | | | 350 | 98.2 | 520.6 | 40.3 | 524.4 | 94.4 | 84.60 | |
| | | | | 366 | 58.5 | 382.4 | 47.8 | 389.3 | 51.6 | 81.78 | |
| | | | | 365 | 34.1 | 358.9 | 53.0 | 367.3 | 25.7 | 80.96 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -30.3 | 214.4 | | | | | |
| | | | | 349 | -31.8 | 211.7 | | | | | |
| | | | | 350 | -31.8 | 217.0 | | | | | |
| | | | | 366 | -28.9 | 217.0 | | | | | |
| | | | | 365 | -28.9 | 211.7 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -81.8 | -616.9 | 6.9 | -81.7 | -617.0 | 0.74 |
| | | | | | 349 | -86.3 | -618.5 | 3.5 | -86.3 | -618.5 | 0.38 |
| | | | | | 350 | -86.3 | -615.2 | 9.1 | -86.1 | -615.3 | 0.99 |
| | | | | | 366 | -77.4 | -615.2 | 10.3 | -77.2 | -615.4 | 1.10 |
| | | | | | 365 | -77.4 | -618.5 | 4.7 | -77.4 | -618.5 | 0.50 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|-------|-------|--------|-------|
| | | | | Cent | -2.2 | -7.0 | 1.6 | -1.7 | -7.4 | 16.73 |
| | | | | 349 | -2.4 | -7.5 | 1.5 | -2.0 | -7.9 | 15.61 |
| | | | | 350 | -1.5 | -6.5 | 1.3 | -1.2 | -6.9 | 14.08 |
| | | | | 366 | -2.0 | -6.5 | 1.6 | -1.5 | -7.0 | 17.85 |
| | | | | 365 | -2.8 | -7.3 | 1.8 | -2.1 | -8.0 | 19.30 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.9 | -0.3 | | | | |
| | | | | 349 | -1.0 | -0.4 | | | | |
| | | | | 350 | -1.0 | -0.3 | | | | |
| | | | | 366 | -0.9 | -0.3 | | | | |
| | | | | 365 | -0.9 | -0.4 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 456 | 1 | 1 | VERIFI-1 | Cent | -86.3 | -606.3 | -14.6 | -85.9 | -606.7 | -1.61 |
| | | | | 350 | -91.9 | -611.0 | -21.2 | -91.0 | -611.8 | -2.33 |
| | | | | 351 | -91.9 | -601.2 | -10.8 | -91.7 | -601.5 | -1.21 |
| | | | | 367 | -81.0 | -601.2 | -8.0 | -80.9 | -601.4 | -0.89 |
| | | | | 366 | -81.0 | -611.0 | -18.4 | -80.4 | -611.6 | -1.99 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 72.0 | 458.4 | 36.8 | 461.9 | 68.5 | 84.60 |
| | | | | 350 | 79.8 | 516.9 | 36.1 | 519.9 | 76.8 | 85.31 |
| | | | | 351 | 101.9 | 538.7 | 31.4 | 540.9 | 99.6 | 85.91 |
| | | | | 367 | 63.3 | 398.7 | 37.4 | 402.8 | 59.2 | 83.71 |
| | | | | 366 | 42.9 | 379.3 | 42.1 | 384.5 | 37.7 | 82.97 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -25.2 | 218.7 | | | | |
| | | | | 350 | -26.0 | 217.0 | | | | |
| | | | | 351 | -26.0 | 220.5 | | | | |
| | | | | 367 | -24.4 | 220.5 | | | | |
| | | | | 366 | -24.4 | 217.0 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -85.7 | -612.0 | 15.5 | -85.3 | -612.5 | 1.69 |
| | | | | 350 | -90.0 | -616.0 | 11.5 | -89.7 | -616.2 | 1.25 |
| | | | | 351 | -90.0 | -607.9 | 17.2 | -89.4 | -608.5 | 1.89 |
| | | | | 367 | -81.5 | -607.9 | 19.6 | -80.8 | -608.7 | 2.13 |
| | | | | 366 | -81.5 | -616.0 | 13.9 | -81.2 | -616.3 | 1.49 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -2.1 | -6.3 | 1.2 | -1.8 | -6.6 | 14.47 |
| | | | | 350 | -2.2 | -6.7 | 1.2 | -1.9 | -6.9 | 13.77 |
| | | | | 351 | -1.5 | -6.0 | 1.0 | -1.3 | -6.2 | 11.79 |
| | | | | 367 | -2.0 | -6.0 | 1.2 | -1.7 | -6.3 | 15.17 |
| | | | | 366 | -2.6 | -6.6 | 1.4 | -2.1 | -7.0 | 17.12 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.7 | -0.2 | | | | |
| | | | | 350 | -0.7 | -0.3 | | | | |
| | | | | 351 | -0.7 | -0.1 | | | | |
| | | | | 367 | -0.7 | -0.1 | | | | |
| | | | | 366 | -0.7 | -0.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 457 | 1 | 1 | VERIFI-1 | Cent | -88.9 | -595.3 | -6.8 | -88.8 | -595.4 | -0.77 |
| | | | | 351 | -94.1 | -601.8 | -13.0 | -93.7 | -602.1 | -1.46 |
| | | | | 352 | -94.1 | -588.5 | -3.0 | -94.0 | -588.5 | -0.35 |
| | | | | 368 | -84.0 | -588.5 | -0.7 | -84.0 | -588.5 | -0.08 |
| | | | | 367 | -84.0 | -601.8 | -10.7 | -83.8 | -602.0 | -1.18 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 77.6 | 474.0 | 28.0 | 476.0 | 75.6 | 85.98 |
| | | | | 351 | 87.4 | 535.8 | 27.7 | 537.5 | 85.7 | 86.48 |
| | | | | 352 | 104.8 | 552.6 | 23.5 | 553.8 | 103.5 | 87.00 |
| | | | | 368 | 67.5 | 411.5 | 28.2 | 413.8 | 65.2 | 85.35 |
| | | | | 367 | 50.9 | 396.2 | 32.4 | 399.2 | 47.9 | 84.69 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -20.3 | 221.5 | | | | |
| | | | | 351 | -20.7 | 220.5 | | | | |
| | | | | 352 | -20.7 | 222.6 | | | | |
| | | | | 368 | -19.9 | 222.6 | | | | |
| | | | | 367 | -19.9 | 220.5 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -88.8 | -602.3 | 23.6 | -87.7 | -603.4 | 2.63 |
| | | | | 351 | -93.0 | -608.6 | 18.9 | -92.3 | -609.3 | 2.10 |
| | | | | 352 | -93.0 | -595.8 | 24.8 | -91.7 | -597.0 | 2.82 |
| | | | | 368 | -84.8 | -595.8 | 28.4 | -83.2 | -597.4 | 3.17 |
| | | | | 367 | -84.8 | -608.6 | 22.4 | -83.8 | -609.6 | 2.45 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|------|----------|--------|-------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | -2.0 | -5.8 | 0.8 | -1.8 | -6.0 | 10.78 | |
| | | | | | | | | 351 | -2.0 | -6.0 | 0.8 | -1.8 | -6.2 | 10.70 | |
| | | | | | | | | 352 | -1.6 | -5.6 | 0.6 | -1.5 | -5.7 | 8.21 | |
| | | | | | | | | 368 | -2.0 | -5.7 | 0.7 | -1.9 | -5.8 | 10.81 | |
| | | | | | | | | 367 | -2.4 | -6.0 | 0.9 | -2.2 | -6.3 | 13.39 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.4 | -0.1 | | | | | |
| | | | | | | | | 351 | -0.5 | -0.1 | | | | | |
| | | | | | | | | 352 | -0.5 | -0.0 | | | | | |
| | | | | | | | | 368 | -0.4 | -0.0 | | | | | |
| | | | | | | | | 367 | -0.4 | -0.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 458 | 1 | 1 | VERIFI-1 | Cent | -92.3 | -580.8 | 0.4 | -92.3 | -580.8 | 0.04 | | | | | |
| | | | | 352 | -96.9 | -589.2 | -5.2 | -96.9 | -589.3 | -0.61 | | | | | |
| | | | | 353 | -96.9 | -572.0 | 4.1 | -96.9 | -572.1 | 0.49 | | | | | |
| | | | | 369 | -87.9 | -572.0 | 6.0 | -87.8 | -572.1 | 0.71 | | | | | |
| | | | | 368 | -87.9 | -589.2 | -3.3 | -87.9 | -589.2 | -0.38 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 82.4 | 486.0 | 20.2 | 487.0 | 81.4 | 87.14 | |
| | | | | | | | | 352 | 93.8 | 550.4 | 20.3 | 551.3 | 92.9 | 87.46 | |
| | | | | | | | | 353 | 107.0 | 562.6 | 16.7 | 563.2 | 106.4 | 87.91 | |
| | | | | | | | | 369 | 70.9 | 421.2 | 20.1 | 422.4 | 69.8 | 86.73 | |
| | | | | | | | | 368 | 58.0 | 409.7 | 23.7 | 411.2 | 56.4 | 86.16 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -15.7 | 223.1 | | | | | |
| | | | | | | | | 352 | -15.8 | 222.6 | | | | | |
| | | | | | | | | 353 | -15.8 | 223.7 | | | | | |
| | | | | | | | | 369 | -15.6 | 223.7 | | | | | |
| | | | | | | | | 368 | -15.6 | 222.6 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -91.9 | -587.9 | 31.0 | -90.0 | -589.8 | 3.57 |
| | | | | | | | | | 352 | -95.9 | -596.5 | 25.9 | -94.6 | -597.8 | 2.95 |
| | | | | | | | | | 353 | -95.9 | -579.0 | 31.8 | -93.8 | -581.1 | 3.75 |
| | | | | | | | | | 369 | -88.1 | -579.0 | 36.2 | -85.5 | -581.7 | 4.19 |
| | | | | | | | | | 368 | -88.1 | -596.5 | 30.3 | -86.3 | -598.3 | 3.39 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -1.9 | -5.6 | 0.4 | -1.9 | -5.6 | 5.48 | |
| | | | | | | | | 352 | -1.8 | -5.6 | 0.4 | -1.7 | -5.7 | 6.27 | |
| | | | | | | | | 353 | -1.6 | -5.4 | 0.2 | -1.6 | -5.4 | 3.29 | |
| | | | | | | | | 369 | -2.1 | -5.5 | 0.3 | -2.1 | -5.6 | 4.55 | |
| | | | | | | | | 368 | -2.2 | -5.7 | 0.5 | -2.2 | -5.8 | 7.79 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.2 | -0.0 | | | | | |
| | | | | | | | | 352 | -0.2 | -0.0 | | | | | |
| | | | | | | | | 353 | -0.2 | 0.0 | | | | | |
| | | | | | | | | 369 | -0.1 | 0.0 | | | | | |
| | | | | | | | | 368 | -0.1 | -0.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 459 | 1 | 1 | VERIFI-1 | Cent | -97.2 | -562.9 | 6.0 | -97.1 | -563.0 | 0.74 | | | | | |
| | | | | 353 | -100.9 | -573.0 | 1.8 | -100.8 | -573.0 | 0.22 | | | | | |
| | | | | 354 | -100.9 | -552.3 | 9.0 | -100.7 | -552.5 | 1.14 | | | | | |
| | | | | 370 | -93.9 | -552.3 | 10.2 | -93.6 | -552.6 | 1.28 | | | | | |
| | | | | 369 | -93.9 | -573.0 | 3.1 | -93.8 | -573.1 | 0.37 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 86.4 | 494.6 | 13.5 | 495.0 | 86.0 | 88.11 | |
| | | | | | | | | 353 | 99.2 | 561.1 | 13.9 | 561.5 | 98.8 | 88.28 | |
| | | | | | | | | 354 | 108.5 | 569.3 | 10.8 | 569.6 | 108.3 | 88.66 | |
| | | | | | | | | 370 | 73.7 | 428.0 | 13.1 | 428.5 | 73.3 | 87.88 | |
| | | | | | | | | 369 | 64.2 | 419.9 | 16.2 | 420.6 | 63.5 | 87.39 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -11.5 | 223.8 | | | | | |
| | | | | | | | | 353 | -11.3 | 223.7 | | | | | |
| | | | | | | | | 354 | -11.3 | 224.0 | | | | | |
| | | | | | | | | 370 | -11.6 | 224.0 | | | | | |
| | | | | | | | | 369 | -11.6 | 223.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -96.0 | -569.2 | 36.9 | -93.1 | -572.0 | 4.44 |
| | | | | | | | | | 353 | -99.3 | -579.9 | 32.3 | -97.1 | -582.0 | 3.83 |
| | | | | | | | | | 354 | -99.3 | -558.3 | 36.7 | -96.4 | -561.2 | 4.54 |
| | | | | | | | | | 370 | -92.8 | -558.3 | 41.5 | -89.2 | -561.9 | 5.06 |
| | | | | | | | | | 369 | -92.8 | -579.9 | 37.2 | -90.0 | -582.7 | 4.34 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | Cent | -2.0 | -5.5 | -0.1 | -2.0 | -5.5 | -1.05 | |
| | | | | 353 | -1.7 | -5.4 | 0.0 | -1.7 | -5.4 | 0.74 | |
| | | | | 354 | -1.8 | -5.5 | -0.2 | -1.8 | -5.5 | -2.52 | |
| | | | | 370 | -2.2 | -5.6 | -0.2 | -2.2 | -5.6 | -3.06 | |
| | | | | 369 | -2.1 | -5.5 | 0.0 | -2.1 | -5.5 | 0.55 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.1 | 0.0 | | | | | |
| | | | | 353 | 0.1 | 0.0 | | | | | |
| | | | | 354 | 0.1 | 0.0 | | | | | |
| | | | | 370 | 0.1 | 0.0 | | | | | |
| | | | | 369 | 0.1 | 0.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 460 | 1 | 1 | VERIFI-1 | Cent | -104.1 | -542.5 | 8.6 | -103.9 | -542.7 | 1.13 | |
| | | | | 354 | -106.1 | -553.5 | 7.3 | -106.0 | -553.6 | 0.94 | |
| | | | | 355 | -106.1 | -531.2 | 9.7 | -105.9 | -531.4 | 1.30 | |
| | | | | 371 | -102.3 | -531.2 | 10.0 | -102.0 | -531.4 | 1.33 | |
| | | | | 370 | -102.3 | -553.5 | 7.6 | -102.1 | -553.7 | 0.97 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 89.6 | 500.2 | 7.8 | 500.3 | 89.4 | 88.92 | |
| | | | | 354 | 103.5 | 568.3 | 8.4 | 568.5 | 103.4 | 88.96 | |
| | | | | 355 | 109.4 | 573.1 | 5.8 | 573.2 | 109.4 | 89.29 | |
| | | | | 371 | 75.8 | 432.1 | 7.1 | 432.3 | 75.6 | 88.85 | |
| | | | | 370 | 69.5 | 427.1 | 9.8 | 427.4 | 69.2 | 88.43 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -7.5 | 223.9 | | | | | |
| | | | | 354 | -7.3 | 224.0 | | | | | |
| | | | | 355 | -7.3 | 223.8 | | | | | |
| | | | | 371 | -7.8 | 223.8 | | | | | |
| | | | | 370 | -7.8 | 224.0 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -101.4 | -547.4 | 40.0 | -97.8 | -551.0 | 5.09 |
| | | | | | 354 | -103.5 | -559.2 | 37.6 | -100.4 | -562.3 | 4.68 |
| | | | | | 355 | -103.5 | -535.5 | 37.7 | -100.2 | -538.8 | 4.95 |
| | | | | | 371 | -99.4 | -535.5 | 42.5 | -95.3 | -539.6 | 5.51 |
| | | | | | 370 | -99.4 | -559.2 | 42.3 | -95.5 | -563.0 | 5.22 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -2.0 | -5.7 | -0.5 | -2.0 | -5.8 | -7.68 | |
| | | | | 354 | -1.6 | -5.5 | -0.3 | -1.6 | -5.5 | -5.07 | |
| | | | | 355 | -2.0 | -5.8 | -0.6 | -1.9 | -5.9 | -8.28 | |
| | | | | 371 | -2.5 | -5.9 | -0.7 | -2.3 | -6.0 | -10.47 | |
| | | | | 370 | -2.1 | -5.6 | -0.4 | -2.1 | -5.6 | -7.00 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.4 | 0.0 | | | | | |
| | | | | 354 | 0.4 | 0.0 | | | | | |
| | | | | 355 | 0.4 | 0.0 | | | | | |
| | | | | 371 | 0.4 | 0.0 | | | | | |
| | | | | 370 | 0.4 | 0.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 461 | 1 | 1 | VERIFI-1 | Cent | -113.1 | -520.2 | 6.1 | -113.0 | -520.3 | 0.86 | |
| | | | | 355 | -112.7 | -532.1 | 16.5 | -112.1 | -532.8 | 2.25 | |
| | | | | 356 | -112.7 | -508.8 | -3.5 | -112.7 | -508.8 | -0.51 | |
| | | | | 372 | -113.2 | -508.8 | -4.3 | -113.2 | -508.8 | -0.62 | |
| | | | | 371 | -113.2 | -532.1 | 15.7 | -112.7 | -532.7 | 2.15 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 91.8 | 503.2 | 2.3 | 503.2 | 91.8 | 89.68 | |
| | | | | 355 | 106.8 | 572.6 | 3.5 | 572.7 | 106.8 | 89.57 | |
| | | | | 356 | 109.7 | 574.4 | 0.7 | 574.4 | 109.7 | 89.92 | |
| | | | | 372 | 77.1 | 433.9 | 1.1 | 433.9 | 77.1 | 89.83 | |
| | | | | 371 | 73.7 | 431.7 | 3.9 | 431.7 | 73.6 | 89.37 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -3.1 | 223.6 | | | | | |
| | | | | 355 | -2.9 | 223.8 | | | | | |
| | | | | 356 | -2.9 | 223.3 | | | | | |
| | | | | 372 | -3.4 | 223.3 | | | | | |
| | | | | 371 | -3.4 | 223.8 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -108.1 | -522.9 | 38.4 | -104.6 | -526.4 | 5.24 |
| | | | | | 355 | -108.3 | -536.0 | 46.6 | -103.3 | -541.0 | 6.14 |
| | | | | | 356 | -108.3 | -510.4 | 25.8 | -106.7 | -512.1 | 3.65 |
| | | | | | 372 | -107.7 | -510.4 | 30.2 | -105.4 | -512.7 | 4.26 |
| | | | | | 371 | -107.7 | -536.0 | 51.0 | -101.7 | -542.0 | 6.69 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|--------|--------|--------|--------|
| | | | | Cent | -2.2 | -6.1 | -1.0 | -2.0 | -6.4 | -13.91 |
| | | | | 355 | -1.6 | -5.7 | -0.8 | -1.4 | -5.8 | -10.42 |
| | | | | 356 | -2.4 | -6.5 | -1.1 | -2.1 | -6.8 | -14.03 |
| | | | | 372 | -2.9 | -6.5 | -1.3 | -2.5 | -6.9 | -17.39 |
| | | | | 371 | -2.1 | -5.8 | -1.0 | -1.9 | -6.1 | -13.68 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 0.7 | -0.0 | | | | |
| | | | | 355 | 0.7 | 0.0 | | | | |
| | | | | 356 | 0.7 | -0.1 | | | | |
| | | | | 372 | 0.7 | -0.1 | | | | |
| | | | | 371 | 0.7 | 0.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 462 | 1 | 1 | VERIFI-1 | Cent | -119.0 | -507.4 | -1.2 | -119.0 | -507.4 | -0.18 |
| | | | | 356 | -117.1 | -510.6 | -1.3 | -117.1 | -510.6 | -0.18 |
| | | | | 218 | -117.1 | -504.3 | 2.0 | -117.1 | -504.3 | 0.30 |
| | | | | 219 | -121.0 | -504.3 | -1.2 | -121.0 | -504.3 | -0.18 |
| | | | | 372 | -121.0 | -510.6 | -4.5 | -120.9 | -510.6 | -0.66 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 92.9 | 503.8 | -1.9 | 503.8 | 92.9 | -89.74 |
| | | | | 356 | 109.3 | 574.4 | -1.0 | 574.4 | 109.3 | -89.88 |
| | | | | 218 | 108.8 | 573.6 | -2.4 | 573.6 | 108.8 | -89.70 |
| | | | | 219 | 76.7 | 433.4 | -2.7 | 433.4 | 76.6 | -89.56 |
| | | | | 372 | 76.9 | 433.9 | -1.3 | 433.9 | 76.9 | -89.79 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 0.5 | 223.1 | | | | |
| | | | | 356 | 0.7 | 223.3 | | | | |
| | | | | 218 | 0.7 | 222.9 | | | | |
| | | | | 219 | 0.3 | 222.9 | | | | |
| | | | | 372 | 0.3 | 223.3 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -111.8 | -507.7 | 32.2 | -109.2 | -510.3 | 4.61 |
| | | | | 356 | -110.7 | -511.7 | 30.4 | -108.4 | -514.0 | 4.31 |
| | | | | 218 | -110.7 | -503.9 | 31.0 | -108.3 | -506.3 | 4.49 |
| | | | | 219 | -112.7 | -503.9 | 33.9 | -109.7 | -506.8 | 4.92 |
| | | | | 372 | -112.7 | -511.7 | 33.3 | -109.9 | -514.4 | 4.74 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -2.4 | -6.7 | -1.5 | -1.9 | -7.2 | -17.79 |
| | | | | 356 | -1.8 | -6.4 | -1.3 | -1.5 | -6.7 | -14.90 |
| | | | | 218 | -2.5 | -7.0 | -1.5 | -2.1 | -7.5 | -16.72 |
| | | | | 219 | -3.0 | -7.0 | -1.8 | -2.4 | -7.7 | -20.65 |
| | | | | 372 | -2.4 | -6.4 | -1.6 | -1.9 | -7.0 | -18.85 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 1.1 | -0.1 | | | | |
| | | | | 356 | 1.2 | -0.1 | | | | |
| | | | | 218 | 1.2 | -0.2 | | | | |
| | | | | 219 | 1.1 | -0.2 | | | | |
| | | | | 372 | 1.1 | -0.1 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 463 | 1 | 1 | VERIFI-1 | Cent | 6.0 | -556.1 | -38.8 | 8.6 | -558.7 | -3.93 |
| | | | | 357 | 1.6 | -541.5 | -49.5 | 6.1 | -546.0 | -5.16 |
| | | | | 358 | 1.6 | -569.5 | -42.1 | 4.7 | -572.6 | -4.20 |
| | | | | 262 | 9.5 | -569.5 | -28.1 | 10.9 | -570.9 | -2.77 |
| | | | | 261 | 9.5 | -541.5 | -35.5 | 11.8 | -543.8 | -3.67 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 24.1 | 98.7 | 151.9 | 217.8 | -95.0 | 51.90 |
| | | | | 357 | 11.4 | 79.2 | 144.8 | 194.0 | -103.4 | 51.58 |
| | | | | 358 | 41.7 | 138.7 | 144.4 | 242.5 | -62.2 | 54.28 |
| | | | | 262 | 24.2 | 96.9 | 157.2 | 221.9 | -100.7 | 51.51 |
| | | | | 261 | 18.9 | 80.0 | 157.6 | 210.0 | -111.1 | 50.49 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -14.9 | 32.4 | | | | |
| | | | | 357 | -27.0 | 1.1 | | | | |
| | | | | 358 | -27.0 | 63.7 | | | | |
| | | | | 262 | -2.8 | 63.7 | | | | |
| | | | | 261 | -2.8 | 1.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -3.9 | -346.3 | -96.3 | 21.3 | -371.5 | -14.68 |
| | | | | 357 | -7.6 | -298.8 | -84.5 | 15.1 | -321.5 | -15.06 |
| | | | | 358 | -7.6 | -392.4 | -91.4 | 13.0 | -413.0 | -12.71 |
| | | | | 262 | -1.2 | -392.4 | -108.1 | 26.7 | -420.3 | -14.47 |
| | | | | 261 | -1.2 | -298.8 | -101.2 | 29.9 | -329.9 | -17.11 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|-------|-------|--------|--------|
| | | | | Cent | -5.4 | -22.4 | 6.5 | -3.2 | -24.6 | 18.60 |
| | | | | 357 | -8.7 | -26.3 | 5.9 | -6.9 | -28.1 | 16.87 |
| | | | | 358 | -2.1 | -20.6 | 5.7 | -0.5 | -22.3 | 15.77 |
| | | | | 262 | -2.6 | -19.5 | 7.0 | -0.1 | -22.0 | 19.71 |
| | | | | 261 | -8.2 | -23.2 | 7.2 | -5.3 | -26.0 | 21.82 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -7.6 | -3.5 | | | | |
| | | | | 357 | -8.0 | -5.0 | | | | |
| | | | | 358 | -8.0 | -2.0 | | | | |
| | | | | 262 | -7.1 | -2.0 | | | | |
| | | | | 261 | -7.1 | -5.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 464 | 1 | 1 | VERIFI-1 | Cent | -6.9 | -579.8 | -69.1 | 1.3 | -588.0 | -6.78 |
| | | | | 358 | -19.0 | -571.6 | -92.2 | -4.0 | -586.5 | -9.22 |
| | | | | 359 | -19.0 | -587.3 | -60.1 | -12.7 | -593.6 | -5.97 |
| | | | | 263 | 4.7 | -587.3 | -46.0 | 8.3 | -590.9 | -4.42 |
| | | | | 262 | 4.7 | -571.6 | -78.0 | 15.1 | -582.0 | -7.58 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 10.0 | 131.6 | 155.3 | 237.6 | -96.0 | 55.69 |
| | | | | 358 | 2.4 | 130.8 | 149.8 | 229.6 | -96.4 | 56.60 |
| | | | | 359 | 35.4 | 183.1 | 146.2 | 273.0 | -54.5 | 58.40 |
| | | | | 263 | 8.4 | 121.7 | 159.7 | 234.5 | -104.4 | 54.77 |
| | | | | 262 | -6.3 | 90.8 | 163.4 | 212.7 | -128.2 | 53.28 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -22.9 | 78.5 | | | | |
| | | | | 358 | -33.2 | 63.7 | | | | |
| | | | | 359 | -33.2 | 93.2 | | | | |
| | | | | 263 | -12.6 | 93.2 | | | | |
| | | | | 262 | -12.6 | 63.7 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -7.2 | -428.7 | -87.9 | 10.3 | -446.2 | -11.32 |
| | | | | 358 | -13.5 | -392.5 | -85.3 | 4.8 | -410.8 | -12.12 |
| | | | | 359 | -13.5 | -463.9 | -76.0 | -1.0 | -476.3 | -9.32 |
| | | | | 263 | -1.7 | -463.9 | -90.4 | 15.4 | -480.9 | -10.68 |
| | | | | 262 | -1.7 | -392.5 | -99.7 | 22.3 | -416.5 | -13.52 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -3.6 | -18.7 | 6.3 | -1.3 | -21.0 | 20.01 |
| | | | | 358 | -5.4 | -21.3 | 5.9 | -3.5 | -23.3 | 18.29 |
| | | | | 359 | -1.3 | -17.1 | 5.6 | 0.5 | -18.8 | 17.58 |
| | | | | 263 | -1.9 | -16.3 | 6.8 | 0.8 | -18.9 | 21.63 |
| | | | | 262 | -5.8 | -20.2 | 7.1 | -2.9 | -23.1 | 22.37 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -4.8 | -1.8 | | | | |
| | | | | 358 | -4.9 | -2.0 | | | | |
| | | | | 359 | -4.9 | -1.5 | | | | |
| | | | | 263 | -4.7 | -1.5 | | | | |
| | | | | 262 | -4.7 | -2.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 465 | 1 | 1 | VERIFI-1 | Cent | -20.2 | -594.7 | -73.0 | -11.1 | -603.8 | -7.13 |
| | | | | 359 | -34.3 | -590.0 | -98.0 | -17.5 | -606.8 | -9.71 |
| | | | | 360 | -34.3 | -598.6 | -61.3 | -27.7 | -605.2 | -6.12 |
| | | | | 264 | -6.5 | -598.6 | -48.0 | -2.7 | -602.5 | -4.60 |
| | | | | 263 | -6.5 | -590.0 | -84.7 | 5.5 | -602.1 | -8.09 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 2.0 | 165.9 | 146.7 | 252.0 | -84.1 | 59.60 |
| | | | | 359 | -3.3 | 175.3 | 142.7 | 254.4 | -82.3 | 61.02 |
| | | | | 360 | 33.0 | 224.2 | 136.9 | 295.6 | -38.4 | 62.46 |
| | | | | 264 | -0.4 | 148.3 | 149.8 | 241.2 | -93.3 | 58.20 |
| | | | | 263 | -21.5 | 115.7 | 155.6 | 217.2 | -122.9 | 56.90 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -30.2 | 104.3 | | | | |
| | | | | 359 | -39.0 | 93.2 | | | | |
| | | | | 360 | -39.0 | 115.4 | | | | |
| | | | | 264 | -21.4 | 115.4 | | | | |
| | | | | 263 | -21.4 | 93.2 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -15.5 | -491.2 | -70.0 | -5.4 | -501.3 | -8.20 |
| | | | | 359 | -21.9 | -465.1 | -71.3 | -10.7 | -476.3 | -8.92 |
| | | | | 360 | -21.9 | -516.7 | -57.4 | -15.3 | -523.3 | -6.53 |
| | | | | 264 | -9.5 | -516.7 | -68.6 | -0.3 | -525.8 | -7.57 |
| | | | | 263 | -9.5 | -465.1 | -82.5 | 5.0 | -479.6 | -9.96 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|-------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -3.1 | -15.6 | 5.7 | -0.8 | -17.8 | 21.28 | |
| | | | | | | | | 359 | -4.3 | -17.7 | 5.4 | -2.4 | -19.5 | 19.38 | |
| | | | | | | | | 360 | -1.3 | -14.2 | 5.0 | 0.4 | -16.0 | 19.03 | |
| | | | | | | | | 264 | -1.9 | -13.5 | 6.1 | 0.7 | -16.1 | 23.19 | |
| | | | | | | | | 263 | -4.8 | -16.8 | 6.4 | -2.0 | -19.6 | 23.37 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -3.3 | -1.5 | | | | | |
| | | | | | | | | 359 | -3.3 | -1.5 | | | | | |
| | | | | | | | | 360 | -3.3 | -1.4 | | | | | |
| | | | | | | | | 264 | -3.2 | -1.4 | | | | | |
| | | | | | | | | 263 | -3.2 | -1.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 466 | 1 | 1 | VERIFI-1 | Cent | -32.3 | -603.4 | -65.0 | -25.0 | -610.7 | -6.41 | | | | | |
| | | | | 360 | -44.5 | -601.0 | -86.4 | -31.4 | -614.1 | -8.62 | | | | | |
| | | | | 361 | -44.5 | -605.1 | -55.2 | -39.1 | -610.5 | -5.56 | | | | | |
| | | | | 265 | -20.7 | -605.1 | -43.6 | -17.4 | -608.4 | -4.24 | | | | | |
| | | | | 264 | -20.7 | -601.0 | -74.8 | -11.2 | -610.5 | -7.23 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 0.2 | 199.1 | 133.8 | 266.3 | -67.1 | 63.32 | |
| | | | | | | | | 360 | -3.1 | 217.0 | 131.0 | 278.1 | -64.2 | 65.01 | |
| | | | | | | | | 361 | 34.6 | 262.1 | 124.0 | 316.6 | -19.9 | 66.27 | |
| | | | | | | | | 265 | -2.9 | 174.4 | 135.8 | 247.9 | -76.4 | 61.57 | |
| | | | | | | | | 264 | -27.9 | 142.8 | 142.8 | 223.9 | -108.9 | 60.43 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -34.8 | 124.5 | | | | | |
| | | | | | | | | 360 | -42.2 | 115.4 | | | | | |
| | | | | | | | | 361 | -42.2 | 133.7 | | | | | |
| | | | | | | | | 265 | -27.5 | 133.7 | | | | | |
| | | | | | | | | 264 | -27.5 | 115.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -26.6 | -536.3 | -49.9 | -21.8 | -541.1 | -5.54 |
| | | | | | | | | | 360 | -31.5 | -518.6 | -51.9 | -26.0 | -524.0 | -6.01 |
| | | | | | | | | | 361 | -31.5 | -553.7 | -40.1 | -28.4 | -556.7 | -4.37 |
| | | | | | | | | | 265 | -21.9 | -553.7 | -47.9 | -17.7 | -557.9 | -5.11 |
| | | | | | | | | | 264 | -21.9 | -518.6 | -59.7 | -14.9 | -525.6 | -6.75 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -3.0 | -13.0 | 5.1 | -0.8 | -15.1 | 22.70 | |
| | | | | | | | | 360 | -3.8 | -14.7 | 4.8 | -2.0 | -16.6 | 20.76 | |
| | | | | | | | | 361 | -1.6 | -12.0 | 4.5 | 0.1 | -13.7 | 20.48 | |
| | | | | | | | | 265 | -2.2 | -11.3 | 5.3 | 0.3 | -13.8 | 24.70 | |
| | | | | | | | | 264 | -4.3 | -14.0 | 5.7 | -1.7 | -16.6 | 24.76 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -2.4 | -1.4 | | | | | |
| | | | | | | | | 360 | -2.5 | -1.4 | | | | | |
| | | | | | | | | 361 | -2.5 | -1.3 | | | | | |
| | | | | | | | | 265 | -2.4 | -1.3 | | | | | |
| | | | | | | | | 264 | -2.4 | -1.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 467 | 1 | 1 | VERIFI-1 | Cent | -43.4 | -607.8 | -54.2 | -38.2 | -613.0 | -5.44 | | | | | |
| | | | | 361 | -52.9 | -607.2 | -71.3 | -43.8 | -616.3 | -7.21 | | | | | |
| | | | | 362 | -52.9 | -607.8 | -46.9 | -48.9 | -611.8 | -4.80 | | | | | |
| | | | | 266 | -34.3 | -607.8 | -37.1 | -31.9 | -610.2 | -3.69 | | | | | |
| | | | | 265 | -34.3 | -607.2 | -61.5 | -27.8 | -613.8 | -6.06 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 2.9 | 230.1 | 118.9 | 281.0 | -48.0 | 66.85 | |
| | | | | | | | | 361 | 1.6 | 255.5 | 117.1 | 301.3 | -44.2 | 68.65 | |
| | | | | | | | | 362 | 38.7 | 296.3 | 109.5 | 336.6 | -1.6 | 69.82 | |
| | | | | | | | | 266 | -1.0 | 199.1 | 120.1 | 255.4 | -57.3 | 64.90 | |
| | | | | | | | | 265 | -27.8 | 169.4 | 127.7 | 232.2 | -90.5 | 63.83 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -36.6 | 141.2 | | | | | |
| | | | | | | | | 361 | -42.5 | 133.7 | | | | | |
| | | | | | | | | 362 | -42.5 | 148.7 | | | | | |
| | | | | | | | | 266 | -30.6 | 148.7 | | | | | |
| | | | | | | | | 265 | -30.6 | 133.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -38.8 | -567.1 | -31.9 | -36.9 | -569.0 | -3.45 |
| | | | | | | | | | 361 | -42.0 | -555.9 | -33.8 | -39.8 | -558.1 | -3.75 |
| | | | | | | | | | 362 | -42.0 | -578.1 | -25.5 | -40.8 | -579.3 | -2.72 |
| | | | | | | | | | 266 | -35.7 | -578.1 | -30.1 | -34.1 | -579.8 | -3.16 |
| | | | | | | | | | 265 | -35.7 | -555.9 | -38.3 | -32.9 | -558.7 | -4.19 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -2.9 | -11.0 | 4.5 | -1.0 | -13.0 | 24.00 | |
| | | | | 361 | -3.6 | -12.4 | 4.3 | -1.8 | -14.1 | 22.09 | |
| | | | | 362 | -1.8 | -10.2 | 4.0 | -0.2 | -11.8 | 21.68 | |
| | | | | 266 | -2.4 | -9.6 | 4.6 | -0.1 | -11.9 | 25.97 | |
| | | | | 265 | -4.1 | -11.7 | 4.9 | -1.6 | -14.1 | 26.14 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.9 | -1.2 | | | | | |
| | | | | 361 | -2.0 | -1.3 | | | | | |
| | | | | 362 | -2.0 | -1.2 | | | | | |
| | | | | 266 | -1.9 | -1.2 | | | | | |
| | | | | 265 | -1.9 | -1.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 468 | 1 | 1 | VERIFI-1 | Cent | -52.9 | -609.0 | -44.0 | -49.4 | -612.5 | -4.50 | |
| | | | | 362 | -60.2 | -609.7 | -57.5 | -54.2 | -615.6 | -5.91 | |
| | | | | 363 | -60.2 | -607.9 | -38.5 | -57.5 | -610.6 | -4.01 | |
| | | | | 267 | -45.9 | -607.9 | -30.5 | -44.3 | -609.5 | -3.10 | |
| | | | | 266 | -45.9 | -609.7 | -49.5 | -41.6 | -614.0 | -4.98 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 8.4 | 258.5 | 103.4 | 295.7 | -28.8 | 70.21 | |
| | | | | 362 | 9.2 | 290.4 | 102.3 | 323.7 | -24.1 | 71.98 | |
| | | | | 363 | 44.1 | 326.6 | 94.6 | 355.4 | 15.4 | 73.10 | |
| | | | | 267 | 3.6 | 222.1 | 104.0 | 263.7 | -38.0 | 68.21 | |
| | | | | 266 | -23.2 | 194.7 | 111.7 | 241.8 | -70.3 | 67.14 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -36.0 | 154.8 | | | | | |
| | | | | 362 | -40.7 | 148.7 | | | | | |
| | | | | 363 | -40.7 | 160.8 | | | | | |
| | | | | 267 | -31.4 | 160.8 | | | | | |
| | | | | 266 | -31.4 | 148.7 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -50.4 | -586.8 | -17.5 | -49.8 | -587.4 | -1.86 |
| | | | | | 362 | -52.4 | -580.4 | -19.2 | -51.7 | -581.1 | -2.08 |
| | | | | | 363 | -52.4 | -593.2 | -13.7 | -52.0 | -593.5 | -1.45 |
| | | | | | 267 | -48.5 | -593.2 | -15.7 | -48.0 | -593.6 | -1.65 |
| | | | | | 266 | -48.5 | -580.4 | -21.2 | -47.6 | -581.2 | -2.28 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -2.9 | -9.4 | 3.8 | -1.1 | -11.1 | 24.96 | |
| | | | | 362 | -3.4 | -10.5 | 3.7 | -1.8 | -12.1 | 23.12 | |
| | | | | 363 | -1.9 | -8.7 | 3.4 | -0.5 | -10.2 | 22.48 | |
| | | | | 267 | -2.5 | -8.3 | 3.9 | -0.5 | -10.3 | 26.86 | |
| | | | | 266 | -3.8 | -9.9 | 4.3 | -1.7 | -12.1 | 27.25 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.6 | -1.1 | | | | | |
| | | | | 362 | -1.7 | -1.2 | | | | | |
| | | | | 363 | -1.7 | -1.0 | | | | | |
| | | | | 267 | -1.5 | -1.0 | | | | | |
| | | | | 266 | -1.5 | -1.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 469 | 1 | 1 | VERIFI-1 | Cent | -60.5 | -607.8 | -35.1 | -58.2 | -610.0 | -3.66 | |
| | | | | 363 | -66.3 | -609.3 | -45.9 | -62.5 | -613.2 | -4.80 | |
| | | | | 364 | -66.3 | -605.8 | -30.7 | -64.6 | -607.5 | -3.24 | |
| | | | | 268 | -55.0 | -605.8 | -24.4 | -53.9 | -606.9 | -2.53 | |
| | | | | 267 | -55.0 | -609.3 | -39.6 | -52.2 | -612.2 | -4.07 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 15.4 | 283.9 | 88.0 | 310.1 | -10.9 | 73.37 | |
| | | | | 363 | 18.1 | 321.4 | 87.5 | 344.9 | -5.3 | 75.01 | |
| | | | | 364 | 49.9 | 353.0 | 80.0 | 372.8 | 30.1 | 76.09 | |
| | | | | 268 | 9.6 | 242.8 | 88.2 | 272.4 | -20.0 | 71.45 | |
| | | | | 267 | -16.0 | 218.2 | 95.7 | 252.3 | -50.1 | 70.37 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -33.9 | 165.5 | | | | | |
| | | | | 363 | -37.5 | 160.8 | | | | | |
| | | | | 364 | -37.5 | 170.2 | | | | | |
| | | | | 268 | -30.3 | 170.2 | | | | | |
| | | | | 267 | -30.3 | 160.8 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -60.2 | -598.1 | -6.1 | -60.1 | -598.2 | -0.65 |
| | | | | | 363 | -61.5 | -595.1 | -7.9 | -61.4 | -595.2 | -0.84 |
| | | | | | 364 | -61.5 | -601.0 | -4.0 | -61.5 | -601.0 | -0.43 |
| | | | | | 268 | -58.9 | -601.0 | -4.3 | -58.9 | -601.0 | -0.45 |
| | | | | | 267 | -58.9 | -595.1 | -8.1 | -58.8 | -595.2 | -0.87 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -2.8 | -8.1 | 3.2 | -1.3 | -9.6 | 25.42 | |
| | | | | 363 | -3.1 | -9.0 | 3.2 | -1.7 | -10.4 | 23.68 | |
| | | | | 364 | -1.9 | -7.6 | 2.9 | -0.7 | -8.8 | 22.73 | |
| | | | | 268 | -2.5 | -7.2 | 3.3 | -0.8 | -8.9 | 27.22 | |
| | | | | 267 | -3.6 | -8.5 | 3.6 | -1.7 | -10.4 | 27.91 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.3 | -0.9 | | | | | |
| | | | | 363 | -1.4 | -1.0 | | | | | |
| | | | | 364 | -1.4 | -0.8 | | | | | |
| | | | | 268 | -1.3 | -0.8 | | | | | |
| | | | | 267 | -1.3 | -1.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 470 | 1 | 1 | VERIFI-1 | Cent | -66.3 | -604.5 | -27.2 | -65.0 | -605.9 | -2.89 | |
| | | | | 364 | -71.2 | -606.9 | -36.0 | -68.8 | -609.3 | -3.82 | |
| | | | | 365 | -71.2 | -601.7 | -23.2 | -70.2 | -602.7 | -2.50 | |
| | | | | 269 | -61.7 | -601.7 | -18.5 | -61.1 | -602.3 | -1.96 | |
| | | | | 268 | -61.7 | -606.9 | -31.3 | -60.0 | -608.7 | -3.28 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 22.9 | 306.1 | 73.4 | 324.0 | 5.0 | 76.30 | |
| | | | | 364 | 27.5 | 348.5 | 73.3 | 364.4 | 11.6 | 77.73 | |
| | | | | 365 | 55.6 | 375.4 | 66.2 | 388.6 | 42.4 | 78.75 | |
| | | | | 269 | 16.0 | 261.1 | 73.3 | 281.3 | -4.2 | 74.56 | |
| | | | | 268 | -7.4 | 239.4 | 80.3 | 263.2 | -31.3 | 73.48 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -30.8 | 173.7 | | | | | |
| | | | | 364 | -33.4 | 170.2 | | | | | |
| | | | | 365 | -33.4 | 177.3 | | | | | |
| | | | | 269 | -28.1 | 177.3 | | | | | |
| | | | | 268 | -28.1 | 170.2 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -67.8 | -602.9 | 3.1 | -67.8 | -602.9 | 0.33 |
| | | | | | 364 | -68.9 | -602.5 | 1.1 | -68.9 | -602.5 | 0.12 |
| | | | | | 365 | -68.9 | -603.1 | 4.2 | -68.8 | -603.2 | 0.45 |
| | | | | | 269 | -66.8 | -603.1 | 5.1 | -66.8 | -603.2 | 0.54 |
| | | | | | 268 | -66.8 | -602.5 | 2.0 | -66.8 | -602.5 | 0.21 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -2.7 | -7.1 | 2.7 | -1.4 | -8.3 | 25.21 | |
| | | | | 364 | -2.9 | -7.8 | 2.6 | -1.8 | -8.9 | 23.61 | |
| | | | | 365 | -1.9 | -6.7 | 2.3 | -0.9 | -7.6 | 22.28 | |
| | | | | 269 | -2.5 | -6.4 | 2.7 | -1.1 | -7.8 | 26.90 | |
| | | | | 268 | -3.4 | -7.4 | 3.0 | -1.8 | -9.0 | 27.95 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -1.1 | -0.7 | | | | | |
| | | | | 364 | -1.1 | -0.8 | | | | | |
| | | | | 365 | -1.1 | -0.6 | | | | | |
| | | | | 269 | -1.0 | -0.6 | | | | | |
| | | | | 268 | -1.0 | -0.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 471 | 1 | 1 | VERIFI-1 | Cent | -70.6 | -599.1 | -19.8 | -69.9 | -599.9 | -2.14 | |
| | | | | 365 | -75.0 | -602.5 | -27.1 | -73.6 | -603.9 | -2.94 | |
| | | | | 366 | -75.0 | -595.4 | -15.8 | -74.5 | -595.9 | -1.74 | |
| | | | | 270 | -66.5 | -595.4 | -12.4 | -66.2 | -595.7 | -1.35 | |
| | | | | 269 | -66.5 | -602.5 | -23.8 | -65.5 | -603.6 | -2.53 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 30.3 | 325.2 | 59.8 | 336.8 | 18.6 | 78.96 | |
| | | | | 365 | 36.6 | 371.6 | 60.0 | 382.0 | 26.2 | 80.14 | |
| | | | | 366 | 60.8 | 394.0 | 53.5 | 402.4 | 52.4 | 81.10 | |
| | | | | 270 | 22.3 | 276.8 | 59.4 | 290.0 | 9.1 | 77.49 | |
| | | | | 269 | 1.5 | 258.2 | 65.9 | 274.1 | -14.4 | 76.41 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -27.0 | 179.9 | | | | | |
| | | | | 365 | -28.9 | 177.3 | | | | | |
| | | | | 366 | -28.9 | 182.5 | | | | | |
| | | | | 270 | -25.1 | 182.5 | | | | | |
| | | | | 269 | -25.1 | 177.3 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -73.3 | -602.4 | 11.0 | -73.0 | -602.6 | 1.19 |
| | | | | | 365 | -74.5 | -604.2 | 8.5 | -74.3 | -604.3 | 0.92 |
| | | | | | 366 | -74.5 | -600.4 | 11.6 | -74.2 | -600.7 | 1.26 |
| | | | | | 270 | -72.2 | -600.4 | 13.4 | -71.8 | -600.7 | 1.45 |
| | | | | | 269 | -72.2 | -604.2 | 10.3 | -72.0 | -604.4 | 1.11 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|-------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | -2.6 | -6.3 | 2.1 | -1.6 | -7.2 | 24.10 | |
| | | | | | | | | 365 | -2.7 | -6.8 | 2.1 | -1.8 | -7.7 | 22.69 | |
| | | | | | | | | 366 | -1.9 | -6.0 | 1.8 | -1.2 | -6.7 | 20.87 | |
| | | | | | | | | 270 | -2.5 | -5.8 | 2.1 | -1.5 | -6.8 | 25.63 | |
| | | | | | | | | 269 | -3.2 | -6.5 | 2.3 | -2.0 | -7.7 | 27.16 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.9 | -0.6 | | | | | |
| | | | | | | | | 365 | -0.9 | -0.6 | | | | | |
| | | | | | | | | 366 | -0.9 | -0.5 | | | | | |
| | | | | | | | | 270 | -0.8 | -0.5 | | | | | |
| | | | | | | | | 269 | -0.8 | -0.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 472 | 1 | 1 | VERIFI-1 | Cent | -73.9 | -591.3 | -12.2 | -73.6 | -591.6 | -1.35 | | | | | |
| | | | | 366 | -78.1 | -596.0 | -18.9 | -77.4 | -596.7 | -2.09 | | | | | |
| | | | | 367 | -78.1 | -586.3 | -8.2 | -77.9 | -586.5 | -0.92 | | | | | |
| | | | | 271 | -69.9 | -586.3 | -5.5 | -69.9 | -586.4 | -0.62 | | | | | |
| | | | | 270 | -69.9 | -596.0 | -16.2 | -69.4 | -596.5 | -1.77 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 37.3 | 341.1 | 47.4 | 348.3 | 30.1 | 81.33 | |
| | | | | | | | | 366 | 45.2 | 390.9 | 47.9 | 397.4 | 38.7 | 82.26 | |
| | | | | | | | | 367 | 65.4 | 409.1 | 42.0 | 414.1 | 60.3 | 83.13 | |
| | | | | | | | | 271 | 28.2 | 289.9 | 46.8 | 298.1 | 20.1 | 80.16 | |
| | | | | | | | | 270 | 10.3 | 274.4 | 52.7 | 284.5 | 0.2 | 79.13 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -23.1 | 184.3 | | | | | |
| | | | | | | | | 366 | -24.4 | 182.5 | | | | | |
| | | | | | | | | 367 | -24.4 | 186.1 | | | | | |
| | | | | | | | | 271 | -21.8 | 186.1 | | | | | |
| | | | | | | | | 270 | -21.8 | 182.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -77.0 | -597.1 | 18.4 | -76.3 | -597.8 | 2.03 |
| | | | | | | | | | 366 | -78.5 | -601.1 | 15.2 | -78.1 | -601.6 | 1.67 |
| | | | | | | | | | 367 | -78.5 | -593.1 | 18.9 | -77.9 | -593.8 | 2.10 |
| | | | | | | | | | 271 | -75.5 | -593.1 | 21.7 | -74.5 | -594.0 | 2.39 |
| | | | | | | | | | 270 | -75.5 | -601.1 | 18.0 | -74.8 | -601.7 | 1.96 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.4 | -5.7 | 1.5 | -1.8 | -6.3 | 21.64 | |
| | | | | | | | | 366 | -2.5 | -6.1 | 1.6 | -1.9 | -6.7 | 20.54 | |
| | | | | | | | | 367 | -1.9 | -5.5 | 1.3 | -1.5 | -5.9 | 18.05 | |
| | | | | | | | | 271 | -2.5 | -5.4 | 1.5 | -1.8 | -6.0 | 22.85 | |
| | | | | | | | | 270 | -3.0 | -5.9 | 1.8 | -2.1 | -6.7 | 25.10 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.6 | -0.4 | | | | | |
| | | | | | | | | 366 | -0.7 | -0.5 | | | | | |
| | | | | | | | | 367 | -0.7 | -0.4 | | | | | |
| | | | | | | | | 271 | -0.6 | -0.4 | | | | | |
| | | | | | | | | 270 | -0.6 | -0.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 473 | 1 | 1 | VERIFI-1 | Cent | -76.8 | -580.4 | -4.2 | -76.7 | -580.4 | -0.47 | | | | | |
| | | | | 367 | -81.1 | -586.9 | -10.8 | -80.8 | -587.1 | -1.22 | | | | | |
| | | | | 368 | -81.1 | -573.6 | -0.0 | -81.1 | -573.6 | -0.00 | | | | | |
| | | | | 272 | -72.6 | -573.6 | 2.5 | -72.6 | -573.6 | 0.28 | | | | | |
| | | | | 271 | -72.6 | -586.9 | -8.3 | -72.5 | -587.0 | -0.93 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 43.6 | 353.9 | 36.2 | 358.1 | 39.4 | 83.43 | |
| | | | | | | | | 367 | 53.0 | 406.6 | 36.9 | 410.4 | 49.1 | 84.10 | |
| | | | | | | | | 368 | 69.3 | 420.7 | 31.7 | 423.5 | 66.5 | 84.89 | |
| | | | | | | | | 272 | 33.6 | 300.5 | 35.4 | 305.1 | 28.9 | 82.57 | |
| | | | | | | | | 271 | 18.6 | 288.0 | 40.7 | 294.0 | 12.6 | 81.60 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -19.1 | 187.3 | | | | | |
| | | | | | | | | 367 | -19.9 | 186.1 | | | | | |
| | | | | | | | | 368 | -19.9 | 188.5 | | | | | |
| | | | | | | | | 272 | -18.3 | 188.5 | | | | | |
| | | | | | | | | 271 | -18.3 | 186.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -79.5 | -587.3 | 26.1 | -78.2 | -588.6 | 2.94 |
| | | | | | | | | | 367 | -81.8 | -593.6 | 21.7 | -80.9 | -594.5 | 2.43 |
| | | | | | | | | | 368 | -81.8 | -580.9 | 26.6 | -80.4 | -582.3 | 3.04 |
| | | | | | | | | | 272 | -77.4 | -580.9 | 30.5 | -75.5 | -582.7 | 3.45 |
| | | | | | | | | | 271 | -77.4 | -593.6 | 25.7 | -76.1 | -594.9 | 2.84 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -2.4 | -5.3 | 1.0 | -2.1 | -5.6 | 17.00 | |
| | | | | | | | | 367 | -2.3 | -5.6 | 1.1 | -2.0 | -5.9 | 16.57 | |
| | | | | | | | | 368 | -1.9 | -5.2 | 0.8 | -1.7 | -5.4 | 13.13 | |
| | | | | | | | | 272 | -2.5 | -5.1 | 0.9 | -2.2 | -5.4 | 17.47 | |
| | | | | | | | | 271 | -2.8 | -5.4 | 1.2 | -2.3 | -5.9 | 20.94 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.4 | -0.3 | | | | | |
| | | | | | | | | 367 | -0.4 | -0.4 | | | | | |
| | | | | | | | | 368 | -0.4 | -0.3 | | | | | |
| | | | | | | | | 272 | -0.3 | -0.3 | | | | | |
| | | | | | | | | 271 | -0.3 | -0.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 474 | 1 | 1 | VERIFI-1 | Cent | -80.3 | -565.5 | 4.2 | -80.2 | -565.5 | 0.50 | | | | | |
| | | | | 368 | -84.9 | -574.4 | -2.7 | -84.8 | -574.4 | -0.31 | | | | | |
| | | | | 369 | -84.9 | -556.2 | 8.4 | -84.7 | -556.3 | 1.03 | | | | | |
| | | | | 273 | -75.9 | -556.2 | 11.1 | -75.7 | -556.4 | 1.33 | | | | | |
| | | | | 272 | -75.9 | -574.4 | 0.0 | -75.9 | -574.4 | 0.00 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 49.2 | 363.9 | 26.3 | 366.1 | 47.1 | 85.26 | |
| | | | | | | | | 368 | 59.8 | 418.8 | 27.2 | 420.9 | 57.8 | 85.69 | |
| | | | | | | | | 369 | 72.5 | 429.2 | 22.6 | 430.6 | 71.1 | 86.39 | |
| | | | | | | | | 273 | 38.3 | 308.5 | 25.3 | 310.8 | 35.9 | 84.69 | |
| | | | | | | | | 272 | 26.3 | 299.0 | 30.0 | 302.3 | 23.0 | 83.80 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -15.2 | 189.2 | | | | | |
| | | | | | | | | 368 | -15.6 | 188.5 | | | | | |
| | | | | | | | | 369 | -15.6 | 189.8 | | | | | |
| | | | | | | | | 273 | -14.9 | 189.8 | | | | | |
| | | | | | | | | 272 | -14.9 | 188.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -82.0 | -572.5 | 34.1 | -79.7 | -574.8 | 3.95 |
| | | | | | | | | 368 | -85.1 | -581.5 | 28.5 | -83.4 | -583.1 | 3.27 | |
| | | | | | | | | 369 | -85.1 | -563.2 | 34.5 | -82.6 | -565.7 | 4.11 | |
| | | | | | | | | 273 | -79.1 | -563.2 | 39.7 | -75.9 | -566.4 | 4.65 | |
| | | | | | | | | 272 | -79.1 | -581.5 | 33.6 | -76.9 | -583.7 | 3.81 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.3 | -5.1 | 0.5 | -2.3 | -5.2 | 9.10 | |
| | | | | | | | | 368 | -2.1 | -5.2 | 0.6 | -2.0 | -5.3 | 10.05 | |
| | | | | | | | | 369 | -2.0 | -5.0 | 0.3 | -2.0 | -5.1 | 5.45 | |
| | | | | | | | | 273 | -2.6 | -5.0 | 0.3 | -2.5 | -5.0 | 7.82 | |
| | | | | | | | | 272 | -2.7 | -5.1 | 0.6 | -2.5 | -5.3 | 13.19 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.1 | -0.3 | | | | | |
| | | | | | | | | 368 | -0.1 | -0.3 | | | | | |
| | | | | | | | | 369 | -0.1 | -0.3 | | | | | |
| | | | | | | | | 273 | -0.1 | -0.3 | | | | | |
| | | | | | | | | 272 | -0.1 | -0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 475 | 1 | 1 | VERIFI-1 | Cent | -85.8 | -545.9 | 11.9 | -85.5 | -546.2 | 1.48 | | | | | |
| | | | | 369 | -90.3 | -557.5 | 5.6 | -90.2 | -557.6 | 0.68 | | | | | |
| | | | | 370 | -90.3 | -533.8 | 15.9 | -89.7 | -534.3 | 2.05 | | | | | |
| | | | | 274 | -81.7 | -533.8 | 18.3 | -80.9 | -534.5 | 2.31 | | | | | |
| | | | | 273 | -81.7 | -557.5 | 8.0 | -81.5 | -557.7 | 0.96 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 54.1 | 371.0 | 17.6 | 372.0 | 53.2 | 86.83 | |
| | | | | | | | | 369 | 65.8 | 427.9 | 18.7 | 428.8 | 64.9 | 87.05 | |
| | | | | | | | | 370 | 75.1 | 434.8 | 14.6 | 435.4 | 74.5 | 87.67 | |
| | | | | | | | | 274 | 42.3 | 314.0 | 16.5 | 315.0 | 41.3 | 86.55 | |
| | | | | | | | | 273 | 33.2 | 307.4 | 20.5 | 309.0 | 31.7 | 85.75 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -11.5 | 190.1 | | | | | |
| | | | | | | | | 369 | -11.6 | 189.8 | | | | | |
| | | | | | | | | 370 | -11.6 | 190.4 | | | | | |
| | | | | | | | | 274 | -11.4 | 190.4 | | | | | |
| | | | | | | | | 273 | -11.4 | 189.8 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -85.8 | -552.3 | 41.4 | -82.2 | -556.0 | 5.04 |
| | | | | | | | | 369 | -89.3 | -564.2 | 35.5 | -86.6 | -566.9 | 4.25 | |
| | | | | | | | | 370 | -89.3 | -540.0 | 41.6 | -85.5 | -543.8 | 5.23 | |
| | | | | | | | | 274 | -82.6 | -540.0 | 47.4 | -77.8 | -544.8 | 5.85 | |
| | | | | | | | | 273 | -82.6 | -564.2 | 41.2 | -79.1 | -567.7 | 4.86 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | Cent | -2.4 | -5.1 | -0.1 | -2.4 | -5.1 | -2.01 | |
| | | | | 369 | -2.0 | -5.0 | 0.0 | -2.0 | -5.1 | 0.95 | |
| | | | | 370 | -2.1 | -5.1 | -0.2 | -2.1 | -5.1 | -4.34 | |
| | | | | 274 | -2.7 | -5.1 | -0.2 | -2.7 | -5.1 | -5.75 | |
| | | | | 273 | -2.6 | -5.0 | 0.0 | -2.6 | -5.0 | 0.89 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.1 | -0.3 | | | | | |
| | | | | 369 | 0.1 | -0.3 | | | | | |
| | | | | 370 | 0.1 | -0.2 | | | | | |
| | | | | 274 | 0.1 | -0.2 | | | | | |
| | | | | 273 | 0.1 | -0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 476 | 1 | 1 | VERIFI-1 | Cent | -94.4 | -522.1 | 16.5 | -93.7 | -522.7 | 2.21 | |
| | | | | 370 | -97.8 | -535.6 | 13.3 | -97.4 | -536.0 | 1.73 | |
| | | | | 371 | -97.8 | -507.9 | 18.9 | -96.9 | -508.8 | 2.64 | |
| | | | | 275 | -91.4 | -507.9 | 19.8 | -90.4 | -508.9 | 2.72 | |
| | | | | 274 | -91.4 | -535.6 | 14.2 | -90.9 | -536.0 | 1.83 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 58.2 | 375.7 | 10.1 | 376.0 | 57.9 | 88.18 | |
| | | | | 370 | 70.9 | 434.0 | 11.3 | 434.3 | 70.5 | 88.22 | |
| | | | | 371 | 76.9 | 437.9 | 7.9 | 438.1 | 76.7 | 88.75 | |
| | | | | 275 | 45.6 | 317.4 | 8.9 | 317.7 | 45.3 | 88.13 | |
| | | | | 274 | 39.4 | 313.4 | 12.3 | 314.0 | 38.8 | 87.43 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -7.9 | 190.4 | | | | | |
| | | | | 370 | -7.8 | 190.4 | | | | | |
| | | | | 371 | -7.8 | 190.4 | | | | | |
| | | | | 275 | -8.0 | 190.4 | | | | | |
| | | | | 274 | -8.0 | 190.4 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -92.1 | -527.3 | 46.0 | -87.3 | -532.2 | 5.97 |
| | | | | | 370 | -95.0 | -541.3 | 42.4 | -91.0 | -545.3 | 5.38 |
| | | | | | 371 | -95.0 | -512.9 | 44.7 | -90.3 | -517.6 | 6.04 |
| | | | | | 275 | -89.6 | -512.9 | 49.6 | -83.8 | -518.6 | 6.60 |
| | | | | | 274 | -89.6 | -541.3 | 47.4 | -84.6 | -546.2 | 5.92 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -2.5 | -5.2 | -0.7 | -2.3 | -5.3 | -12.96 | |
| | | | | 370 | -2.0 | -5.1 | -0.5 | -1.9 | -5.1 | -8.68 | |
| | | | | 371 | -2.3 | -5.3 | -0.8 | -2.2 | -5.5 | -13.53 | |
| | | | | 275 | -2.9 | -5.3 | -0.8 | -2.7 | -5.6 | -17.70 | |
| | | | | 274 | -2.6 | -5.0 | -0.5 | -2.5 | -5.2 | -12.21 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 0.4 | -0.3 | | | | | |
| | | | | 370 | 0.4 | -0.2 | | | | | |
| | | | | 371 | 0.4 | -0.3 | | | | | |
| | | | | 275 | 0.4 | -0.3 | | | | | |
| | | | | 274 | 0.4 | -0.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 477 | 1 | 1 | VERIFI-1 | Cent | -107.0 | -493.3 | 14.0 | -106.5 | -493.8 | 2.07 | |
| | | | | 371 | -107.8 | -509.3 | 24.7 | -106.2 | -510.8 | 3.50 | |
| | | | | 372 | -107.8 | -477.6 | 4.2 | -107.7 | -477.6 | 0.65 | |
| | | | | 276 | -106.2 | -477.6 | 3.2 | -106.2 | -477.6 | 0.50 | |
| | | | | 275 | -106.2 | -509.3 | 23.7 | -104.8 | -510.7 | 3.35 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 61.4 | 378.0 | 2.9 | 378.1 | 61.3 | 89.47 | |
| | | | | 371 | 74.8 | 437.5 | 4.7 | 437.5 | 74.7 | 89.26 | |
| | | | | 372 | 78.0 | 438.7 | 1.0 | 438.7 | 78.0 | 89.84 | |
| | | | | 276 | 48.2 | 318.8 | 1.2 | 318.8 | 48.2 | 89.74 | |
| | | | | 275 | 44.4 | 317.2 | 4.9 | 317.3 | 44.4 | 88.97 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -3.7 | 190.2 | | | | | |
| | | | | 371 | -3.4 | 190.4 | | | | | |
| | | | | 372 | -3.4 | 189.9 | | | | | |
| | | | | 276 | -3.9 | 189.9 | | | | | |
| | | | | 275 | -3.9 | 190.4 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -101.5 | -496.7 | 43.9 | -96.7 | -501.5 | 6.27 |
| | | | | | 371 | -102.3 | -513.6 | 53.2 | -95.5 | -520.4 | 7.25 |
| | | | | | 372 | -102.3 | -480.2 | 31.0 | -99.8 | -482.7 | 4.66 |
| | | | | | 276 | -100.6 | -480.2 | 34.6 | -97.5 | -483.3 | 5.17 |
| | | | | | 275 | -100.6 | -513.6 | 56.9 | -92.9 | -521.3 | 7.70 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | | | | | Cent | -2.7 | -5.6 | -1.3 | -2.2 | -6.1 | -21.49 | |
| | | | | | | | | 371 | -2.0 | -5.3 | -1.1 | -1.7 | -5.6 | -16.59 | |
| | | | | | | | | 372 | -2.8 | -5.9 | -1.5 | -2.2 | -6.5 | -21.30 | |
| | | | | | | | | 276 | -3.4 | -5.8 | -1.6 | -2.6 | -6.6 | -26.24 | |
| | | | | | | | | 275 | -2.7 | -5.2 | -1.2 | -2.2 | -5.7 | -21.63 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 0.7 | -0.3 | | | | | |
| | | | | | | | | 371 | 0.7 | -0.3 | | | | | |
| | | | | | | | | 372 | 0.7 | -0.4 | | | | | |
| | | | | | | | | 276 | 0.7 | -0.4 | | | | | |
| | | | | | | | | 275 | 0.7 | -0.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 478 | 1 | 1 | VERIFI-1 | Cent | -116.5 | -474.9 | 3.5 | -116.4 | -474.9 | 0.56 | | | | | |
| | | | | 372 | -114.8 | -479.6 | 4.0 | -114.8 | -479.6 | 0.64 | | | | | |
| | | | | 219 | -114.8 | -470.4 | 6.9 | -114.7 | -470.5 | 1.11 | | | | | |
| | | | | 9 | -117.7 | -470.4 | 3.0 | -117.7 | -470.4 | 0.48 | | | | | |
| | | | | 276 | -117.7 | -479.6 | 0.1 | -117.7 | -479.6 | 0.02 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 63.1 | 378.5 | -2.5 | 378.5 | 63.1 | -89.55 | |
| | | | | | | | | 372 | 77.9 | 438.7 | -1.4 | 438.7 | 77.8 | -89.78 | |
| | | | | | | | | 219 | 77.6 | 438.0 | -3.2 | 438.0 | 77.5 | -89.49 | |
| | | | | | | | | 9 | 48.4 | 318.4 | -3.5 | 318.4 | 48.4 | -89.26 | |
| | | | | | | | | 276 | 48.4 | 318.9 | -1.7 | 318.9 | 48.4 | -89.64 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 0.1 | 189.8 | | | | | |
| | | | | | | | | 372 | 0.3 | 189.9 | | | | | |
| | | | | | | | | 219 | 0.3 | 189.6 | | | | | |
| | | | | | | | | 9 | -0.2 | 189.6 | | | | | |
| | | | | | | | | 276 | -0.2 | 189.9 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -107.9 | -476.2 | 34.3 | -104.7 | -479.3 | 5.27 |
| | | | | | | | | 372 | -106.6 | -481.6 | 34.1 | -103.6 | -484.6 | 5.16 | |
| | | | | | | | | 219 | -106.6 | -471.1 | 33.0 | -103.7 | -474.0 | 5.14 | |
| | | | | | | | | 9 | -108.6 | -471.1 | 34.4 | -105.4 | -474.3 | 5.38 | |
| | | | | | | | | 276 | -108.6 | -481.6 | 35.5 | -105.3 | -484.9 | 5.39 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.9 | -6.1 | -2.0 | -2.0 | -7.0 | -25.88 | |
| | | | | | | | | 372 | -2.3 | -5.9 | -1.8 | -1.6 | -6.6 | -22.27 | |
| | | | | | | | | 219 | -2.9 | -6.4 | -2.0 | -2.0 | -7.3 | -24.45 | |
| | | | | | | | | 9 | -3.6 | -6.2 | -2.2 | -2.3 | -7.5 | -29.38 | |
| | | | | | | | | 276 | -3.0 | -5.8 | -2.0 | -2.0 | -6.8 | -27.42 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.0 | -0.4 | | | | | |
| | | | | | | | | 372 | 1.1 | -0.4 | | | | | |
| | | | | | | | | 219 | 1.1 | -0.5 | | | | | |
| | | | | | | | | 9 | 1.0 | -0.5 | | | | | |
| | | | | | | | | 276 | 1.0 | -0.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 527 | 1 | 1 | VERIFI-1 | Cent | -118.2 | -573.8 | -19.0 | -117.4 | -574.6 | -2.38 | | | | | |
| | | | | 405 | -114.7 | -568.9 | -12.0 | -114.3 | -569.3 | -1.51 | | | | | |
| | | | | 406 | -114.7 | -578.6 | -14.8 | -114.2 | -579.0 | -1.83 | | | | | |
| | | | | 421 | -121.8 | -578.6 | -26.0 | -120.3 | -580.0 | -3.24 | | | | | |
| | | | | 420 | -121.8 | -568.9 | -23.1 | -120.6 | -570.1 | -2.96 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 160.9 | 813.1 | -5.0 | 813.2 | 160.9 | -89.56 | |
| | | | | | | | | 405 | 181.7 | 908.7 | -3.1 | 908.7 | 181.7 | -89.76 | |
| | | | | | | | | 406 | 180.5 | 902.3 | -4.5 | 902.3 | 180.4 | -89.64 | |
| | | | | | | | | 421 | 137.6 | 717.1 | -7.0 | 717.2 | 137.5 | -89.30 | |
| | | | | | | | | 420 | 144.0 | 724.5 | -5.6 | 724.5 | 143.9 | -89.45 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 4.0 | 294.4 | | | | | |
| | | | | | | | | 405 | 0.0 | 294.5 | | | | | |
| | | | | | | | | 406 | 0.0 | 294.3 | | | | | |
| | | | | | | | | 421 | 8.0 | 294.3 | | | | | |
| | | | | | | | | 420 | 8.0 | 294.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -113.2 | -561.8 | 23.2 | -112.0 | -563.0 | 2.96 |
| | | | | | | | | 405 | -112.6 | -559.0 | 22.8 | -111.4 | -560.2 | 2.91 | |
| | | | | | | | | 406 | -112.6 | -564.8 | 21.8 | -111.6 | -565.9 | 2.76 | |
| | | | | | | | | 421 | -113.5 | -564.8 | 23.7 | -112.3 | -566.0 | 3.00 | |
| | | | | | | | | 420 | -113.5 | -559.0 | 24.7 | -112.2 | -560.4 | 3.16 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -2.4 | -10.4 | -1.3 | -2.1 | -10.6 | -9.14 | |
| | | | | | | | | 405 | -1.9 | -9.4 | -0.9 | -1.8 | -9.6 | -6.71 | |
| | | | | | | | | 406 | -2.2 | -11.2 | -1.1 | -2.1 | -11.3 | -7.12 | |
| | | | | | | | | 421 | -3.4 | -11.4 | -1.8 | -3.0 | -11.8 | -12.09 | |
| | | | | | | | | 420 | -1.9 | -9.6 | -1.6 | -1.6 | -9.9 | -11.02 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 0.9 | 0.0 | | | | | |
| | | | | | | | | 405 | 0.0 | 0.2 | | | | | |
| | | | | | | | | 406 | 0.0 | -0.1 | | | | | |
| | | | | | | | | 421 | 1.9 | -0.1 | | | | | |
| | | | | | | | | 420 | 1.9 | 0.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 528 | 1 | 1 | VERIFI-1 | Cent | -119.1 | -585.5 | -22.0 | -118.1 | -586.5 | -2.69 | | | | | |
| | | | | 406 | -117.5 | -578.1 | -14.8 | -117.0 | -578.6 | -1.84 | | | | | |
| | | | | 407 | -117.5 | -593.3 | -17.3 | -116.9 | -593.9 | -2.08 | | | | | |
| | | | | 422 | -120.4 | -593.3 | -29.2 | -118.6 | -595.0 | -3.52 | | | | | |
| | | | | 421 | -120.4 | -578.1 | -26.7 | -118.9 | -579.7 | -3.33 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 158.9 | 804.7 | -7.0 | 804.8 | 158.8 | -89.38 | |
| | | | | | | | | 406 | 180.5 | 902.3 | -4.4 | 902.3 | 180.4 | -89.65 | |
| | | | | | | | | 407 | 178.4 | 891.8 | -6.4 | 891.9 | 178.3 | -89.49 | |
| | | | | | | | | 422 | 133.4 | 706.5 | -10.0 | 706.6 | 133.2 | -89.00 | |
| | | | | | | | | 421 | 143.4 | 718.3 | -8.0 | 718.4 | 143.3 | -89.20 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 5.6 | 294.1 | | | | | |
| | | | | | | | | 406 | 0.0 | 294.3 | | | | | |
| | | | | | | | | 407 | 0.0 | 293.9 | | | | | |
| | | | | | | | | 422 | 11.1 | 293.9 | | | | | |
| | | | | | | | | 421 | 11.1 | 294.3 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -112.4 | -568.8 | 23.5 | -111.2 | -570.0 | 2.94 |
| | | | | | | | | | 406 | -114.5 | -564.0 | 21.8 | -113.4 | -565.1 | 2.77 |
| | | | | | | | | | 407 | -114.5 | -574.3 | 22.2 | -113.4 | -575.4 | 2.75 |
| | | | | | | | | | 422 | -109.9 | -574.3 | 25.1 | -108.5 | -575.7 | 3.09 |
| | | | | | | | | | 421 | -109.9 | -564.0 | 24.8 | -108.5 | -565.4 | 3.11 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.8 | -12.4 | -1.7 | -2.5 | -12.7 | -9.49 | |
| | | | | | | | | 406 | -2.2 | -11.2 | -1.1 | -2.1 | -11.3 | -7.01 | |
| | | | | | | | | 407 | -2.7 | -13.7 | -1.4 | -2.6 | -13.9 | -7.27 | |
| | | | | | | | | 422 | -4.2 | -13.7 | -2.2 | -3.7 | -14.2 | -12.64 | |
| | | | | | | | | 421 | -2.1 | -11.1 | -1.9 | -1.7 | -11.5 | -11.61 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.1 | -0.3 | | | | | |
| | | | | | | | | 406 | 0.0 | -0.1 | | | | | |
| | | | | | | | | 407 | 0.0 | -0.6 | | | | | |
| | | | | | | | | 422 | 2.3 | -0.6 | | | | | |
| | | | | | | | | 421 | 2.3 | -0.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 529 | 1 | 1 | VERIFI-1 | Cent | -119.4 | -602.0 | -22.4 | -118.4 | -603.0 | -2.66 | | | | | |
| | | | | 407 | -120.4 | -593.9 | -17.3 | -119.7 | -594.5 | -2.09 | | | | | |
| | | | | 408 | -120.4 | -610.1 | -16.3 | -119.8 | -610.6 | -1.90 | | | | | |
| | | | | 423 | -118.5 | -610.1 | -27.6 | -117.0 | -611.6 | -3.20 | | | | | |
| | | | | 422 | -118.5 | -593.9 | -28.6 | -116.8 | -595.6 | -3.43 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 156.0 | 792.3 | -9.8 | 792.5 | 155.8 | -89.12 | |
| | | | | | | | | 407 | 178.4 | 891.8 | -6.3 | 891.9 | 178.3 | -89.50 | |
| | | | | | | | | 408 | 175.5 | 877.3 | -8.7 | 877.4 | 175.3 | -89.29 | |
| | | | | | | | | 423 | 128.2 | 692.1 | -13.6 | 692.4 | 127.9 | -88.62 | |
| | | | | | | | | 422 | 141.8 | 708.2 | -11.2 | 708.4 | 141.6 | -88.86 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 7.5 | 293.4 | | | | | |
| | | | | | | | | 407 | 0.0 | 293.9 | | | | | |
| | | | | | | | | 408 | 0.0 | 292.9 | | | | | |
| | | | | | | | | 423 | 15.0 | 292.9 | | | | | |
| | | | | | | | | 422 | 15.0 | 293.9 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -110.8 | -579.7 | 27.2 | -109.2 | -581.2 | 3.31 |
| | | | | | | | | | 407 | -116.2 | -574.5 | 22.2 | -115.2 | -575.6 | 2.76 |
| | | | | | | | | | 408 | -116.2 | -585.1 | 26.7 | -114.7 | -586.6 | 3.25 |
| | | | | | | | | | 423 | -105.2 | -585.1 | 32.2 | -103.1 | -587.3 | 3.82 |
| | | | | | | | | | 422 | -105.2 | -574.5 | 27.6 | -103.6 | -576.2 | 3.36 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| | | | | | | | Cent | -3.4 | -15.1 | -2.1 | -3.0 | -15.4 | -9.71 |
| | | | | | | | 407 | -2.7 | -13.7 | -1.4 | -2.6 | -13.9 | -7.22 |
| | | | | | | | 408 | -3.4 | -16.9 | -1.8 | -3.1 | -17.1 | -7.32 |
| | | | | | | | 423 | -5.0 | -16.4 | -2.8 | -4.3 | -17.0 | -12.93 |
| | | | | | | | 422 | -2.4 | -13.3 | -2.4 | -1.9 | -13.8 | -12.03 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 1.4 | -0.9 | | | | |
| | | | | | | | 407 | 0.0 | -0.6 | | | | |
| | | | | | | | 408 | 0.0 | -1.3 | | | | |
| | | | | | | | 423 | 2.8 | -1.3 | | | | |
| | | | | | | | 422 | 2.8 | -0.6 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| 530 | 1 | 1 | VERIFI-1 | Cent | -120.3 | -618.3 | -20.4 | -119.5 | -619.2 | -2.34 | | | |
| | | | | 408 | -123.4 | -610.5 | -16.3 | -122.9 | -611.1 | -1.91 | | | |
| | | | | 409 | -123.4 | -625.9 | -12.7 | -123.1 | -626.2 | -1.45 | | | |
| | | | | 424 | -117.4 | -625.9 | -24.5 | -116.2 | -627.0 | -2.75 | | | |
| | | | | 423 | -117.4 | -610.5 | -28.0 | -115.8 | -612.1 | -3.24 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 152.1 | 775.6 | -13.1 | 775.9 | 151.8 | -88.80 |
| | | | | | | | 408 | 175.5 | 877.3 | -8.6 | 877.4 | 175.4 | -89.30 |
| | | | | | | | 409 | 171.5 | 857.6 | -11.5 | 857.8 | 171.3 | -89.04 |
| | | | | | | | 424 | 121.9 | 673.3 | -18.1 | 673.9 | 121.3 | -88.13 |
| | | | | | | | 423 | 139.6 | 694.4 | -15.2 | 694.8 | 139.1 | -88.43 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 9.7 | 291.8 | | | | |
| | | | | | | | 408 | 0.0 | 292.9 | | | | |
| | | | | | | | 409 | 0.0 | 290.8 | | | | |
| | | | | | | | 424 | 19.4 | 290.8 | | | | |
| | | | | | | | 423 | 19.4 | 292.9 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | |
| | | | | VER.TR-1 | Cent | -109.5 | -589.3 | 34.3 | -107.1 | -591.8 | 4.06 | | |
| | | | | | 408 | -118.0 | -585.1 | 26.7 | -116.5 | -586.6 | 3.26 | | |
| | | | | | 409 | -118.0 | -593.7 | 34.6 | -115.5 | -596.2 | 4.13 | | |
| | | | | | 424 | -101.0 | -593.7 | 41.8 | -97.4 | -597.2 | 4.82 | | |
| | | | | | 423 | -101.0 | -585.1 | 34.0 | -98.6 | -587.4 | 3.99 | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | -4.1 | -18.3 | -2.5 | -3.6 | -18.8 | -9.77 |
| | | | | | | | 408 | -3.4 | -16.9 | -1.8 | -3.1 | -17.1 | -7.29 |
| | | | | | | | 409 | -4.1 | -20.7 | -2.1 | -3.9 | -21.0 | -7.25 |
| | | | | | | | 424 | -5.9 | -19.7 | -3.4 | -5.1 | -20.5 | -13.02 |
| | | | | | | | 423 | -2.9 | -16.0 | -3.0 | -2.2 | -16.6 | -12.25 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 1.6 | -1.8 | | | | |
| | | | | | | | 408 | 0.0 | -1.3 | | | | |
| | | | | | | | 409 | 0.0 | -2.3 | | | | |
| | | | | | | | 424 | 3.3 | -2.3 | | | | |
| | | | | | | | 423 | 3.3 | -1.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| 531 | 1 | 1 | VERIFI-1 | Cent | -121.6 | -633.0 | -16.3 | -121.0 | -633.5 | -1.83 | | | |
| | | | | 409 | -126.3 | -626.2 | -12.7 | -126.0 | -626.5 | -1.46 | | | |
| | | | | 410 | -126.3 | -639.4 | -7.5 | -126.2 | -639.5 | -0.84 | | | |
| | | | | 425 | -117.1 | -639.4 | -19.9 | -116.3 | -640.1 | -2.18 | | | |
| | | | | 424 | -117.1 | -626.2 | -25.2 | -115.8 | -627.4 | -2.82 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 147.2 | 753.8 | -17.0 | 754.3 | 146.8 | -88.39 |
| | | | | | | | 409 | 171.5 | 857.6 | -11.4 | 857.8 | 171.3 | -89.05 |
| | | | | | | | 410 | 166.4 | 831.9 | -14.7 | 832.3 | 166.1 | -88.73 |
| | | | | | | | 425 | 114.5 | 649.3 | -23.3 | 650.4 | 113.4 | -87.51 |
| | | | | | | | 424 | 136.6 | 676.2 | -19.9 | 676.9 | 135.9 | -87.89 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 12.2 | 288.9 | | | | |
| | | | | | | | 409 | 0.0 | 290.8 | | | | |
| | | | | | | | 410 | 0.0 | 287.0 | | | | |
| | | | | | | | 425 | 24.3 | 287.0 | | | | |
| | | | | | | | 424 | 24.3 | 290.8 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | |
| | | | | VER.TR-1 | Cent | -108.3 | -595.9 | 44.3 | -104.3 | -599.9 | 5.15 | | |
| | | | | | 409 | -119.3 | -593.5 | 34.6 | -116.8 | -596.0 | 4.15 | | |
| | | | | | 410 | -119.3 | -598.5 | 44.8 | -115.1 | -602.7 | 5.30 | | |
| | | | | | 425 | -97.3 | -598.5 | 54.0 | -91.5 | -604.3 | 6.08 | | |
| | | | | | 424 | -97.3 | -593.5 | 43.7 | -93.4 | -597.3 | 4.99 | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | | | | | Cent | -4.9 | -22.2 | -3.1 | -4.4 | -22.7 | -9.70 | |
| | | | | | | | | 409 | -4.1 | -20.7 | -2.1 | -3.9 | -21.0 | -7.23 | |
| | | | | | | | | 410 | -5.1 | -25.4 | -2.6 | -4.8 | -25.7 | -7.09 | |
| | | | | | | | | 425 | -6.9 | -23.6 | -4.0 | -6.0 | -24.5 | -12.95 | |
| | | | | | | | | 424 | -3.4 | -19.2 | -3.6 | -2.7 | -20.0 | -12.30 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.9 | -3.0 | | | | | |
| | | | | | | | | 409 | 0.0 | -2.3 | | | | | |
| | | | | | | | | 410 | 0.0 | -3.7 | | | | | |
| | | | | | | | | 425 | 3.8 | -3.7 | | | | | |
| | | | | | | | | 424 | 3.8 | -2.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 532 | 1 | 1 | VERIFI-1 | Cent | -122.9 | -645.0 | -10.9 | -122.7 | -645.2 | -1.19 | | | | | |
| | | | | 410 | -128.7 | -639.6 | -7.5 | -128.6 | -639.7 | -0.84 | | | | | |
| | | | | 411 | -128.7 | -650.1 | -1.3 | -128.7 | -650.1 | -0.14 | | | | | |
| | | | | 426 | -117.3 | -650.1 | -14.3 | -116.9 | -650.5 | -1.53 | | | | | |
| | | | | 425 | -117.3 | -639.6 | -20.5 | -116.5 | -640.4 | -2.25 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 141.2 | 726.0 | -21.5 | 726.8 | 140.4 | -87.89 | |
| | | | | | | | | 410 | 166.4 | 831.9 | -14.6 | 832.2 | 166.1 | -88.74 | |
| | | | | | | | | 411 | 159.8 | 799.2 | -18.4 | 799.7 | 159.3 | -88.35 | |
| | | | | | | | | 426 | 105.8 | 619.8 | -29.2 | 621.4 | 104.1 | -86.76 | |
| | | | | | | | | 425 | 132.9 | 653.0 | -25.4 | 654.3 | 131.7 | -87.22 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 14.8 | 284.0 | | | | | |
| | | | | | | | | 410 | 0.0 | 287.0 | | | | | |
| | | | | | | | | 411 | 0.0 | 280.9 | | | | | |
| | | | | | | | | 426 | 29.7 | 280.9 | | | | | |
| | | | | | | | | 425 | 29.7 | 287.0 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -106.9 | -598.3 | 56.6 | -100.5 | -604.8 | 6.49 |
| | | | | | | | | 410 | -119.9 | -598.1 | 44.8 | -115.7 | -602.3 | 5.31 | |
| | | | | | | | | 411 | -119.9 | -598.7 | 56.8 | -113.2 | -605.4 | 6.68 | |
| | | | | | | | | 426 | -93.8 | -598.7 | 68.4 | -84.7 | -607.8 | 7.58 | |
| | | | | | | | | 425 | -93.8 | -598.1 | 56.4 | -87.6 | -604.3 | 6.30 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -5.8 | -26.8 | -3.6 | -5.2 | -27.5 | -9.50 | |
| | | | | | | | | 410 | -5.1 | -25.4 | -2.6 | -4.8 | -25.7 | -7.08 | |
| | | | | | | | | 411 | -6.2 | -31.0 | -3.0 | -5.8 | -31.3 | -6.84 | |
| | | | | | | | | 426 | -8.0 | -28.0 | -4.8 | -6.9 | -29.1 | -12.71 | |
| | | | | | | | | 425 | -4.1 | -23.0 | -4.3 | -3.1 | -23.9 | -12.21 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.1 | -4.6 | | | | | |
| | | | | | | | | 410 | 0.0 | -3.7 | | | | | |
| | | | | | | | | 411 | 0.0 | -5.6 | | | | | |
| | | | | | | | | 426 | 4.3 | -5.6 | | | | | |
| | | | | | | | | 425 | 4.3 | -3.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 533 | 1 | 1 | VERIFI-1 | Cent | -124.0 | -654.2 | -4.5 | -123.9 | -654.3 | -0.49 | | | | | |
| | | | | 411 | -130.6 | -650.3 | -1.3 | -130.6 | -650.3 | -0.14 | | | | | |
| | | | | 412 | -130.6 | -657.9 | 5.7 | -130.5 | -658.0 | 0.62 | | | | | |
| | | | | 427 | -117.6 | -657.9 | -7.8 | -117.4 | -658.0 | -0.82 | | | | | |
| | | | | 426 | -117.6 | -650.3 | -14.7 | -117.1 | -650.7 | -1.58 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 134.0 | 691.5 | -26.6 | 692.8 | 132.7 | -87.28 | |
| | | | | | | | | 411 | 159.8 | 799.2 | -18.3 | 799.7 | 159.3 | -88.36 | |
| | | | | | | | | 412 | 151.7 | 758.5 | -22.5 | 759.3 | 150.9 | -87.88 | |
| | | | | | | | | 427 | 96.0 | 584.1 | -35.7 | 586.7 | 93.4 | -85.84 | |
| | | | | | | | | 426 | 128.4 | 624.3 | -31.5 | 626.3 | 126.4 | -86.38 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 17.7 | 276.5 | | | | | |
| | | | | | | | | 411 | 0.0 | 280.9 | | | | | |
| | | | | | | | | 412 | 0.0 | 272.0 | | | | | |
| | | | | | | | | 427 | 35.3 | 272.0 | | | | | |
| | | | | | | | | 426 | 35.3 | 280.9 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -105.0 | -595.8 | 70.8 | -95.0 | -605.8 | 8.04 |
| | | | | | | | | 411 | -119.5 | -598.2 | 56.8 | -112.8 | -604.8 | 6.68 | |
| | | | | | | | | 412 | -119.5 | -593.8 | 70.1 | -109.3 | -603.9 | 8.23 | |
| | | | | | | | | 427 | -90.2 | -593.8 | 84.7 | -76.4 | -607.6 | 9.29 | |
| | | | | | | | | 426 | -90.2 | -598.2 | 71.4 | -80.4 | -608.0 | 7.86 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|----------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 411 | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 426 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 411 | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 426 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 534 | 1 | 1 | VERIFI-1 | Cent | -124.6 | -660.6 | 2.6 | -124.6 | -660.6 | 0.27 |
| ----- | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| LC | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| VER.TR-1 | | | | Cent | -102.3 | -588.0 | 86.4 | -87.4 | -602.9 | 9.79 |
| ----- | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 412 | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 535 | 1 | 1 | VERIFI-1 | Cent | -124.6 | -664.2 | 10.3 | -124.4 | -664.4 | 1.09 |
| ----- | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 414 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 414 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 414 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| LC | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| VER.TR-1 | | | | Cent | -98.8 | -574.7 | 103.1 | -77.5 | -596.0 | 11.71 |
| ----- | | | | | | | | | | |
| 413 | | | | | | | | | | |
| 414 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 428 | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -9.2 | -44.9 | -5.2 | -8.5 | -45.6 | -8.07 | |
| | | | | | | | | 413 | -9.0 | -45.0 | -3.9 | -8.6 | -45.4 | -6.08 | |
| | | | | | | | | 414 | -10.6 | -53.2 | -4.1 | -10.3 | -53.6 | -5.45 | |
| | | | | | | | | 429 | -10.9 | -43.8 | -6.5 | -9.6 | -45.0 | -10.77 | |
| | | | | | | | | 428 | -6.3 | -37.6 | -6.3 | -5.1 | -38.8 | -10.96 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.4 | -13.6 | | | | | |
| | | | | | | | | 413 | 0.0 | -11.5 | | | | | |
| | | | | | | | | 414 | 0.0 | -15.7 | | | | | |
| | | | | | | | | 429 | 4.7 | -15.7 | | | | | |
| | | | | | | | | 428 | 4.7 | -11.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 536 | 1 | 1 | VERIFI-1 | Cent | -123.9 | -665.1 | 18.6 | -123.3 | -665.8 | 1.96 | | | | | |
| | | | | 414 | -132.6 | -665.1 | 21.7 | -131.7 | -666.0 | 2.33 | | | | | |
| | | | | 415 | -132.6 | -664.7 | 31.0 | -130.8 | -666.5 | 3.32 | | | | | |
| | | | | 430 | -115.6 | -664.7 | 15.4 | -115.2 | -665.1 | 1.61 | | | | | |
| | | | | 429 | -115.6 | -665.1 | 6.1 | -115.5 | -665.2 | 0.64 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 105.1 | 544.4 | -42.5 | 548.5 | 101.1 | -84.53 | |
| | | | | | | | | 414 | 130.2 | 651.2 | -30.8 | 653.0 | 128.4 | -86.63 | |
| | | | | | | | | 415 | 117.0 | 584.9 | -34.4 | 587.4 | 114.5 | -85.82 | |
| | | | | | | | | 430 | 63.1 | 440.4 | -55.2 | 448.3 | 55.2 | -81.85 | |
| | | | | | | | | 429 | 110.2 | 501.2 | -51.6 | 507.9 | 103.5 | -82.61 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 25.3 | 233.1 | | | | | |
| | | | | | | | | 414 | 0.0 | 243.4 | | | | | |
| | | | | | | | | 415 | 0.0 | 222.9 | | | | | |
| | | | | | | | | 430 | 50.6 | 222.9 | | | | | |
| | | | | | | | | 429 | 50.6 | 243.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -94.7 | -555.4 | 120.5 | -65.1 | -585.0 | 13.81 |
| | | | | | | | | 414 | -111.8 | -566.3 | 99.0 | -91.1 | -586.9 | 11.77 | |
| | | | | | | | | 415 | -111.8 | -545.1 | 113.8 | -83.7 | -573.2 | 13.85 | |
| | | | | | | | | 430 | -77.2 | -545.1 | 142.0 | -37.5 | -584.8 | 15.63 | |
| | | | | | | | | 429 | -77.2 | -566.3 | 127.2 | -46.1 | -597.4 | 13.74 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -10.3 | -51.8 | -5.3 | -9.6 | -52.5 | -7.16 | |
| | | | | | | | | 414 | -10.6 | -53.2 | -4.1 | -10.2 | -53.6 | -5.50 | |
| | | | | | | | | 415 | -12.4 | -61.8 | -4.1 | -12.0 | -62.2 | -4.65 | |
| | | | | | | | | 430 | -11.0 | -49.0 | -6.5 | -10.0 | -50.1 | -9.43 | |
| | | | | | | | | 429 | -7.0 | -43.0 | -6.6 | -5.9 | -44.2 | -10.03 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.0 | -18.3 | | | | | |
| | | | | | | | | 414 | 0.0 | -15.7 | | | | | |
| | | | | | | | | 415 | 0.0 | -20.9 | | | | | |
| | | | | | | | | 430 | 4.1 | -20.9 | | | | | |
| | | | | | | | | 429 | 4.1 | -15.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 537 | 1 | 1 | VERIFI-1 | Cent | -122.9 | -663.8 | 27.3 | -121.5 | -665.2 | 2.89 | | | | | |
| | | | | 415 | -132.1 | -664.7 | 31.0 | -130.3 | -666.5 | 3.32 | | | | | |
| | | | | 416 | -132.1 | -662.3 | 41.3 | -128.9 | -665.5 | 4.43 | | | | | |
| | | | | 431 | -114.0 | -662.3 | 23.7 | -113.0 | -663.3 | 2.47 | | | | | |
| | | | | 430 | -114.0 | -664.7 | 13.4 | -113.7 | -665.0 | 1.39 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 93.9 | 482.0 | -46.4 | 487.5 | 88.4 | -83.27 | |
| | | | | | | | | 415 | 117.0 | 584.9 | -34.4 | 587.4 | 114.5 | -85.82 | |
| | | | | | | | | 416 | 102.4 | 511.9 | -36.8 | 515.2 | 99.1 | -84.91 | |
| | | | | | | | | 431 | 53.1 | 382.7 | -59.5 | 393.1 | 42.7 | -80.07 | |
| | | | | | | | | 430 | 103.2 | 448.4 | -57.1 | 457.6 | 94.0 | -80.85 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 26.7 | 210.9 | | | | | |
| | | | | | | | | 415 | 0.0 | 222.9 | | | | | |
| | | | | | | | | 416 | 0.0 | 198.9 | | | | | |
| | | | | | | | | 431 | 53.5 | 198.9 | | | | | |
| | | | | | | | | 430 | 53.5 | 222.9 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -90.3 | -529.8 | 138.0 | -50.5 | -569.6 | 16.06 |
| | | | | | | | | 415 | -106.9 | -543.9 | 113.8 | -79.1 | -571.8 | 13.75 | |
| | | | | | | | | 416 | -106.9 | -516.7 | 127.6 | -70.4 | -553.2 | 15.96 | |
| | | | | | | | | 431 | -73.0 | -516.7 | 162.2 | -20.0 | -569.7 | 18.09 | |
| | | | | | | | | 430 | -73.0 | -543.9 | 148.4 | -30.1 | -586.8 | 16.11 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 415 | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| 430 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 415 | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| 430 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 538 | 1 | 1 | VERIFI-1 | Cent | -121.6 | -661.4 | 36.3 | -119.2 | -663.8 | 3.83 |
| ----- | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -86.1 | -497.8 | 154.6 | -34.5 | -549.4 | 18.45 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 416 | -101.0 | -515.3 | 127.6 | -64.8 | -551.4 | 15.82 |
| ----- | | | | | | | | | | |
| | | | | 417 | -101.0 | -481.9 | 138.8 | -55.8 | -527.1 | 18.04 |
| ----- | | | | | | | | | | |
| | | | | 432 | -70.2 | -481.9 | 181.6 | -1.5 | -550.5 | 20.71 |
| ----- | | | | | | | | | | |
| | | | | 431 | -70.2 | -515.3 | 170.5 | -12.4 | -573.1 | 18.73 |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 416 | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 431 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 539 | 1 | 1 | VERIFI-1 | Cent | -120.8 | -661.1 | 44.8 | -117.1 | -664.8 | 4.71 |
| ----- | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -83.3 | -459.2 | 168.7 | -18.7 | -523.8 | 20.95 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 417 | -94.1 | -480.2 | 138.8 | -49.4 | -524.9 | 17.86 |
| ----- | | | | | | | | | | |
| | | | | 418 | -94.1 | -440.7 | 144.0 | -42.1 | -492.7 | 19.87 |
| ----- | | | | | | | | | | |
| | | | | 433 | -70.8 | -440.7 | 198.6 | 15.6 | -527.1 | 23.52 |
| ----- | | | | | | | | | | |
| | | | | 432 | -70.8 | -480.2 | 193.4 | 6.1 | -557.0 | 21.69 |
| ----- | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 417 | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 540 | 1 | 1 | VERIFI-1 | Cent | -119.6 | -672.6 | 52.3 | -114.7 | -677.5 | 5.35 |
| ----- | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -85.2 | -412.5 | 177.2 | -7.6 | -490.1 | 23.64 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 418 | -87.3 | -437.9 | 144.0 | -35.7 | -489.5 | 19.71 |
| ----- | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 418 | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 541 | 1 | 1 | VERIFI-1 | Cent | -120.7 | -735.0 | 53.8 | -116.1 | -739.7 | 4.96 |
| ----- | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 202 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 202 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 419 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 202 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -96.2 | -343.8 | 178.1 | -3.1 | -436.9 | 27.60 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 419 | -76.7 | -390.6 | 135.3 | -26.4 | -440.8 | 20.38 |
| ----- | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 202 | | | | | | | | | | |
| 434 | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -5.5 | -55.2 | 9.9 | -3.6 | -57.1 | 10.91 | |
| | | | | | | | | 419 | -15.3 | -76.6 | 4.7 | -15.0 | -77.0 | 4.37 | |
| | | | | | | | | 3 | -11.9 | -59.6 | 10.0 | -9.9 | -61.6 | 11.36 | |
| | | | | | | | | 202 | 7.5 | -34.6 | 15.4 | 12.5 | -39.6 | 18.06 | |
| | | | | | | | | 434 | -2.5 | -50.0 | 10.1 | -0.4 | -52.0 | 11.51 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -5.0 | -37.6 | | | | | |
| | | | | | | | | 419 | 0.0 | -40.1 | | | | | |
| | | | | | | | | 3 | 0.0 | -35.2 | | | | | |
| | | | | | | | | 202 | -10.0 | -35.2 | | | | | |
| | | | | | | | | 434 | -10.0 | -40.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 647 | 1 | 1 | VERIFI-1 | Cent | -119.0 | -547.0 | -20.0 | -118.1 | -548.0 | -2.68 | | | | | |
| | | | | 420 | -116.9 | -540.7 | -12.7 | -116.5 | -541.1 | -1.71 | | | | | |
| | | | | 421 | -116.9 | -553.7 | -14.8 | -116.4 | -554.2 | -1.93 | | | | | |
| | | | | 511 | -120.9 | -553.7 | -27.4 | -119.1 | -555.4 | -3.61 | | | | | |
| | | | | 510 | -120.9 | -540.7 | -25.3 | -119.3 | -542.2 | -3.44 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 123.4 | 642.8 | -7.8 | 642.9 | 123.3 | -89.14 | |
| | | | | | | | | 420 | 144.5 | 727.1 | -5.9 | 727.2 | 144.4 | -89.42 | |
| | | | | | | | | 421 | 138.2 | 720.1 | -7.5 | 720.2 | 138.1 | -89.26 | |
| | | | | | | | | 511 | 101.9 | 558.5 | -9.7 | 558.7 | 101.7 | -88.78 | |
| | | | | | | | | 510 | 109.0 | 565.4 | -8.2 | 565.6 | 108.8 | -88.97 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 8.7 | 257.5 | | | | | |
| | | | | | | | | 420 | 8.0 | 257.7 | | | | | |
| | | | | | | | | 421 | 8.0 | 257.2 | | | | | |
| | | | | | | | | 511 | 9.3 | 257.2 | | | | | |
| | | | | | | | | 510 | 9.3 | 257.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -108.7 | -537.6 | 20.3 | -107.8 | -538.6 | 2.70 |
| | | | | | | | | | 420 | -109.1 | -532.9 | 21.8 | -108.0 | -534.0 | 2.93 |
| | | | | | | | | | 421 | -109.1 | -542.8 | 19.6 | -108.2 | -543.7 | 2.58 |
| | | | | | | | | | 511 | -107.8 | -542.8 | 18.8 | -107.0 | -543.7 | 2.47 |
| | | | | | | | | | 510 | -107.8 | -532.9 | 21.0 | -106.8 | -533.9 | 2.82 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.8 | -10.0 | -2.0 | -2.3 | -10.5 | -14.78 | |
| | | | | | | | | 420 | -1.8 | -9.1 | -1.6 | -1.4 | -9.5 | -11.98 | |
| | | | | | | | | 421 | -3.3 | -10.9 | -1.9 | -2.9 | -11.3 | -13.05 | |
| | | | | | | | | 511 | -3.9 | -10.8 | -2.4 | -3.1 | -11.5 | -17.63 | |
| | | | | | | | | 510 | -2.3 | -9.1 | -2.2 | -1.7 | -9.8 | -16.36 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.0 | -0.3 | | | | | |
| | | | | | | | | 420 | 1.9 | -0.1 | | | | | |
| | | | | | | | | 421 | 1.9 | -0.5 | | | | | |
| | | | | | | | | 511 | 2.0 | -0.5 | | | | | |
| | | | | | | | | 510 | 2.0 | -0.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 648 | 1 | 1 | VERIFI-1 | Cent | -115.9 | -562.5 | -23.3 | -114.7 | -563.7 | -2.98 | | | | | |
| | | | | 421 | -115.5 | -553.3 | -15.5 | -115.0 | -553.9 | -2.02 | | | | | |
| | | | | 422 | -115.5 | -571.8 | -18.2 | -114.8 | -572.5 | -2.28 | | | | | |
| | | | | 512 | -116.2 | -571.8 | -31.1 | -114.1 | -573.9 | -3.89 | | | | | |
| | | | | 511 | -116.2 | -553.3 | -28.4 | -114.3 | -555.2 | -3.71 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 120.8 | 635.0 | -11.2 | 635.3 | 120.5 | -88.76 | |
| | | | | | | | | 421 | 144.0 | 721.3 | -8.5 | 721.4 | 143.9 | -89.15 | |
| | | | | | | | | 422 | 134.1 | 710.2 | -10.6 | 710.4 | 133.9 | -88.95 | |
| | | | | | | | | 512 | 96.9 | 548.9 | -13.8 | 549.3 | 96.5 | -88.25 | |
| | | | | | | | | 511 | 108.0 | 559.7 | -11.7 | 560.1 | 107.7 | -88.51 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 12.0 | 256.9 | | | | | |
| | | | | | | | | 421 | 11.1 | 257.2 | | | | | |
| | | | | | | | | 422 | 11.1 | 256.5 | | | | | |
| | | | | | | | | 512 | 12.9 | 256.5 | | | | | |
| | | | | | | | | 511 | 12.9 | 257.2 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -102.8 | -549.0 | 20.0 | -101.9 | -549.9 | 2.56 |
| | | | | | | | | | 421 | -105.6 | -541.9 | 20.6 | -104.6 | -542.9 | 2.70 |
| | | | | | | | | | 422 | -105.6 | -556.5 | 18.8 | -104.8 | -557.2 | 2.39 |
| | | | | | | | | | 512 | -99.7 | -556.5 | 19.3 | -98.9 | -557.3 | 2.41 |
| | | | | | | | | | 511 | -99.7 | -541.9 | 21.1 | -98.7 | -542.9 | 2.73 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|----------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 421 | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| 511 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 421 | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| 511 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 649 | 1 | 1 | VERIFI-1 | Cent | -112.7 | -581.2 | -23.3 | -111.6 | -582.4 | -2.84 |
| ----- | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| LC | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| VER.TR-1 | | | | Cent | -96.3 | -562.7 | 23.8 | -95.1 | -564.0 | 2.91 |
| ----- | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 422 | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| 512 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 650 | 1 | 1 | VERIFI-1 | Cent | -110.6 | -599.4 | -20.6 | -109.7 | -600.3 | -2.41 |
| ----- | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 424 | | | | | | | | | | |
| 514 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 424 | | | | | | | | | | |
| 514 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 424 | | | | | | | | | | |
| 514 | | | | | | | | | | |
| 513 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| LC | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| VER.TR-1 | | | | Cent | -90.5 | -575.1 | 31.3 | -88.5 | -577.1 | 3.68 |
| ----- | | | | | | | | | | |
| 423 | | | | | | | | | | |
| 424 | | | | | | | | | | |
| 514 | | | | | | | | | | |
| 513 | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
|--|--|--|--|--|--|--|--|----------|-------|-------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -4.5 | -16.6 | -3.8 | -3.4 | -17.7 | -16.00 | | | | |
| | | | | | | | | 423 | -2.8 | -15.4 | -3.1 | -2.1 | -16.1 | -13.04 | | | | |
| | | | | | | | | 424 | -5.8 | -19.0 | -3.5 | -4.9 | -19.9 | -13.75 | | | | |
| | | | | | | | | 514 | -6.2 | -17.5 | -4.5 | -4.7 | -19.1 | -19.10 | | | | |
| | | | | | | | | 513 | -3.4 | -14.5 | -4.1 | -2.0 | -15.8 | -18.11 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 3.3 | -2.2 | | | | | | | | |
| | | | | | | | | 423 | 3.3 | -1.7 | | | | | | | | |
| | | | | | | | | 424 | 3.3 | -2.7 | | | | | | | | |
| | | | | | | | | 514 | 3.3 | -2.7 | | | | | | | | |
| | | | | | | | | 513 | 3.3 | -1.7 | | | | | | | | |
| | | | | | | | | ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | 651 | 1 | 1 | VERIFI-1 | Cent | -109.6 | -615.4 | -16.1 | -109.1 | -615.9 | -1.82 |
| | | | | | | | | | | | | 424 | -113.6 | -607.9 | -12.0 | -113.3 | -608.2 | -1.39 |
| | | | | | | | | | | | | 425 | -113.6 | -622.5 | -5.9 | -113.5 | -622.6 | -0.67 |
| | | | | | | | | | | | | 515 | -105.8 | -622.5 | -20.2 | -105.1 | -623.3 | -2.23 |
| | | | | | | | | | | | | 514 | -105.8 | -607.9 | -26.2 | -104.5 | -609.3 | -2.98 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | 107.3 | 589.5 | -26.4 | 590.9 | 105.9 | -86.88 | | | | |
| | | | | | | | | 424 | 137.7 | 681.5 | -21.0 | 682.3 | 136.9 | -87.79 | | | | |
| | | | | | | | | 425 | 115.7 | 655.4 | -24.4 | 656.5 | 114.6 | -87.42 | | | | |
| | | | | | | | | 515 | 76.5 | 498.6 | -31.8 | 501.0 | 74.1 | -85.72 | | | | |
| | | | | | | | | 514 | 99.5 | 522.4 | -28.4 | 524.3 | 97.6 | -86.18 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 25.4 | 250.4 | | | | | | | | |
| | | | | | | | | 424 | 24.3 | 252.5 | | | | | | | | |
| | | | | | | | | 425 | 24.3 | 248.3 | | | | | | | | |
| | | | | | | | | 515 | 26.4 | 248.3 | | | | | | | | |
| | | | | | | | | 514 | 26.4 | 252.5 | | | | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | | | | | VER.TR-1 | Cent | -85.5 | -583.8 | 41.5 | -82.1 | -587.3 | 4.73 | | | |
| | | | | | | | | | 424 | -94.9 | -580.1 | 34.7 | -92.4 | -582.5 | 4.07 | | | |
| | | | | | | | | | 425 | -94.9 | -587.7 | 42.8 | -91.2 | -591.4 | 4.93 | | | |
| | | | | | | | | | 515 | -76.0 | -587.7 | 48.3 | -71.5 | -592.2 | 5.35 | | | |
| | | | | | | | | | 514 | -76.0 | -580.1 | 40.2 | -72.8 | -583.3 | 4.53 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | -5.3 | -19.7 | -4.5 | -4.0 | -21.0 | -15.93 | | | | |
| | | | | | | | | 424 | -3.3 | -18.5 | -3.7 | -2.4 | -19.4 | -12.97 | | | | |
| | | | | | | | | 425 | -6.8 | -22.9 | -4.1 | -5.8 | -23.8 | -13.52 | | | | |
| | | | | | | | | 515 | -7.1 | -20.5 | -5.3 | -5.3 | -22.3 | -19.06 | | | | |
| | | | | | | | | 514 | -3.9 | -17.1 | -4.9 | -2.3 | -18.7 | -18.22 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 3.7 | -3.3 | | | | | | | | |
| | | | | | | | | 424 | 3.8 | -2.7 | | | | | | | | |
| | | | | | | | | 425 | 3.8 | -4.0 | | | | | | | | |
| | | | | | | | | 515 | 3.6 | -4.0 | | | | | | | | |
| | | | | | | | | 514 | 3.6 | -2.7 | | | | | | | | |
| | | | | | | | | ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | 652 | 1 | 1 | VERIFI-1 | Cent | -109.4 | -628.2 | -10.5 | -109.1 | -628.5 | -1.15 |
| | | | | | | | | | | | | 425 | -114.0 | -622.4 | -6.5 | -113.9 | -622.5 | -0.74 |
| | | | | | | | | | | | | 426 | -114.0 | -633.8 | -0.0 | -114.0 | -633.8 | -0.00 |
| | | | | | | | | | | | | 516 | -104.9 | -633.8 | -14.4 | -104.5 | -634.2 | -1.56 |
| | | | | | | | | | | | | 515 | -104.9 | -622.4 | -20.9 | -104.1 | -623.3 | -2.31 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | 101.2 | 565.4 | -33.2 | 567.7 | 98.8 | -85.94 | | | | |
| | | | | | | | | 425 | 134.1 | 659.1 | -26.6 | 660.5 | 132.8 | -87.10 | | | | |
| | | | | | | | | 426 | 107.1 | 626.5 | -30.4 | 628.3 | 105.3 | -86.66 | | | | |
| | | | | | | | | 516 | 68.0 | 473.4 | -39.6 | 477.3 | 64.1 | -84.47 | | | | |
| | | | | | | | | 515 | 95.5 | 502.4 | -35.8 | 505.5 | 92.4 | -85.01 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 30.6 | 245.2 | | | | | | | | |
| | | | | | | | | 425 | 29.7 | 248.3 | | | | | | | | |
| | | | | | | | | 426 | 29.7 | 242.1 | | | | | | | | |
| | | | | | | | | 516 | 31.5 | 242.1 | | | | | | | | |
| | | | | | | | | 515 | 31.5 | 248.3 | | | | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | | | | | VER.TR-1 | Cent | -81.0 | -587.8 | 53.8 | -75.3 | -593.5 | 5.99 | | | |
| | | | | | | | | | 425 | -91.8 | -586.7 | 45.2 | -87.7 | -590.8 | 5.18 | | | |
| | | | | | | | | | 426 | -91.8 | -589.3 | 54.1 | -86.0 | -595.1 | 6.13 | | | |
| | | | | | | | | | 516 | -70.0 | -589.3 | 62.4 | -62.6 | -596.7 | 6.76 | | | |
| | | | | | | | | | 515 | -70.0 | -586.7 | 53.6 | -64.5 | -592.2 | 5.86 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 425 | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| 515 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 425 | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| 515 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 653 | 1 | 1 | VERIFI-1 | Cent | -109.2 | -638.0 | -4.3 | -109.2 | -638.1 | -0.46 |
| ----- | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -76.4 | -586.7 | 67.6 | -67.6 | -595.5 | 7.42 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 426 | -88.5 | -588.2 | 57.1 | -82.0 | -594.7 | 6.44 |
| ----- | | | | | | | | | | |
| | | | | 427 | -88.5 | -585.5 | 66.3 | -79.8 | -594.2 | 7.47 |
| ----- | | | | | | | | | | |
| | | | | 517 | -64.2 | -585.5 | 78.1 | -52.7 | -596.9 | 8.34 |
| ----- | | | | | | | | | | |
| | | | | 516 | -64.2 | -588.2 | 68.9 | -55.3 | -597.1 | 7.37 |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 426 | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| 516 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 654 | 1 | 1 | VERIFI-1 | Cent | -108.7 | -644.9 | 2.3 | -108.7 | -644.9 | 0.25 |
| ----- | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -71.6 | -580.0 | 82.7 | -58.5 | -593.1 | 9.01 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 427 | -84.7 | -584.4 | 70.1 | -75.1 | -594.0 | 7.84 |
| ----- | | | | | | | | | | |
| | | | | 428 | -84.7 | -576.1 | 79.4 | -72.2 | -588.6 | 8.96 |
| ----- | | | | | | | | | | |
| | | | | 518 | -58.2 | -576.1 | 95.4 | -41.2 | -593.1 | 10.11 |
| ----- | | | | | | | | | | |
| | | | | 517 | -58.2 | -584.4 | 86.0 | -44.5 | -598.1 | 9.05 |
| ----- | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|-------|--------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 427 | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| 517 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 655 | 1 | 1 | VERIFI-1 | Cent | -107.5 | -649.0 | 9.5 | -107.3 | -649.2 | 1.00 |
| ----- | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -66.4 | -567.5 | 99.0 | -47.6 | -586.3 | 10.78 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 428 | -80.5 | -574.9 | 83.9 | -66.6 | -588.7 | 9.38 |
| ----- | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 428 | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| 518 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 656 | 1 | 1 | VERIFI-1 | Cent | -105.5 | -650.5 | 17.3 | -104.9 | -651.0 | 1.82 |
| ----- | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 430 | | | | | | | | | | |
| 520 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 430 | | | | | | | | | | |
| 520 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 429 | | | | | | | | | | |
| 430 | | | | | | | | | | |
| 520 | | | | | | | | | | |
| 519 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -61.2 | -548.7 | 116.3 | -34.9 | -575.1 | 12.76 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 429 | -75.9 | -559.5 | 98.6 | -56.6 | -578.8 | 11.09 |
| ----- | | | | | | | | | | |
| 430 | | | | | | | | | | |
| 520 | | | | | | | | | | |
| 519 | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|----------|--------|--------|--------|-------|-------|--------|-------|
| | | | | | | | Cent | -7.8 | -40.7 | -7.3 | -6.3 | -42.2 | -11.90 | |
| | | | | | | | 429 | -7.0 | -42.9 | -6.4 | -5.9 | -44.0 | -9.88 | |
| | | | | | | | 430 | -11.1 | -49.5 | -6.3 | -10.1 | -50.5 | -9.10 | |
| | | | | | | | 520 | -7.6 | -36.9 | -7.9 | -5.6 | -38.9 | -14.16 | |
| | | | | | | | 519 | -5.6 | -33.5 | -8.0 | -3.5 | -35.7 | -15.00 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 3.0 | -17.5 | | | | | |
| | | | | | | | 429 | 4.1 | -15.2 | | | | | |
| | | | | | | | 430 | 4.1 | -19.8 | | | | | |
| | | | | | | | 520 | 1.8 | -19.8 | | | | | |
| | | | | | | | 519 | 1.8 | -15.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 657 | 1 | 1 | VERIFI-1 | Cent | -102.8 | -649.6 | 25.8 | -101.6 | -650.8 | 2.70 | | | | |
| | | | | 430 | -111.3 | -650.2 | 28.3 | -109.8 | -651.7 | 2.99 | | | | |
| | | | | 431 | -111.3 | -648.4 | 40.9 | -108.2 | -651.5 | 4.33 | | | | |
| | | | | 521 | -94.7 | -648.4 | 23.4 | -93.7 | -649.4 | 2.42 | | | | |
| | | | | 520 | -94.7 | -650.2 | 10.8 | -94.5 | -650.4 | 1.11 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 65.3 | 364.6 | -69.8 | 380.0 | 49.8 | -77.50 | |
| | | | | | | | 430 | 104.3 | 453.9 | -59.0 | 463.6 | 94.6 | -80.68 | |
| | | | | | | | 431 | 53.7 | 385.8 | -61.5 | 396.8 | 42.6 | -79.83 | |
| | | | | | | | 521 | 29.3 | 282.6 | -80.1 | 305.8 | 6.1 | -73.84 | |
| | | | | | | | 520 | 73.7 | 336.0 | -77.5 | 357.2 | 52.5 | -74.70 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 51.1 | 175.0 | | | | | |
| | | | | | | | 430 | 53.5 | 186.3 | | | | | |
| | | | | | | | 431 | 53.5 | 163.8 | | | | | |
| | | | | | | | 521 | 48.8 | 163.8 | | | | | |
| | | | | | | | 520 | 48.8 | 186.3 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -56.8 | -523.2 | 134.3 | -20.8 | -559.2 | 14.97 |
| | | | | | | | | 430 | -71.7 | -537.6 | 113.8 | -45.4 | -564.0 | 13.02 |
| | | | | | | | | 431 | -71.7 | -509.9 | 121.2 | -40.4 | -541.2 | 14.47 |
| | | | | | | | | 521 | -41.2 | -509.9 | 154.8 | 5.4 | -556.4 | 16.72 |
| | | | | | | | | 520 | -41.2 | -537.6 | 147.5 | -0.6 | -578.1 | 15.36 |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -7.0 | -44.7 | -6.6 | -5.9 | -45.8 | -9.70 | |
| | | | | | | | 430 | -7.5 | -48.8 | -6.1 | -6.6 | -49.7 | -8.30 | |
| | | | | | | | 431 | -10.6 | -54.8 | -5.5 | -9.9 | -55.5 | -7.03 | |
| | | | | | | | 521 | -5.1 | -38.8 | -6.9 | -3.7 | -40.2 | -11.21 | |
| | | | | | | | 520 | -4.8 | -36.4 | -7.6 | -3.1 | -38.1 | -12.78 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 1.2 | -22.3 | | | | | |
| | | | | | | | 430 | 2.7 | -19.8 | | | | | |
| | | | | | | | 431 | 2.7 | -24.9 | | | | | |
| | | | | | | | 521 | -0.3 | -24.9 | | | | | |
| | | | | | | | 520 | -0.3 | -19.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 658 | 1 | 1 | VERIFI-1 | Cent | -99.6 | -647.2 | 34.8 | -97.4 | -649.4 | 3.62 | | | | |
| | | | | 431 | -109.7 | -648.1 | 37.1 | -107.2 | -650.6 | 3.92 | | | | |
| | | | | 432 | -109.7 | -645.5 | 53.1 | -104.5 | -650.7 | 5.61 | | | | |
| | | | | 522 | -90.0 | -645.5 | 32.5 | -88.1 | -647.4 | 3.34 | | | | |
| | | | | 521 | -90.0 | -648.1 | 16.5 | -89.5 | -648.6 | 1.69 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 60.3 | 310.8 | -73.3 | 330.7 | 40.5 | -74.84 | |
| | | | | | | | 431 | 96.8 | 394.4 | -62.7 | 407.0 | 84.1 | -78.57 | |
| | | | | | | | 432 | 44.7 | 322.3 | -63.6 | 336.2 | 30.8 | -77.69 | |
| | | | | | | | 522 | 27.6 | 235.4 | -83.2 | 264.6 | -1.6 | -70.65 | |
| | | | | | | | 521 | 72.2 | 291.2 | -82.3 | 318.7 | 44.7 | -71.53 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 51.5 | 151.5 | | | | | |
| | | | | | | | 431 | 54.5 | 163.8 | | | | | |
| | | | | | | | 432 | 54.5 | 139.2 | | | | | |
| | | | | | | | 522 | 48.4 | 139.2 | | | | | |
| | | | | | | | 521 | 48.4 | 163.8 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -54.3 | -490.5 | 152.4 | -6.3 | -538.5 | 17.47 |
| | | | | | | | | 431 | -68.7 | -508.9 | 129.4 | -33.5 | -544.1 | 15.22 |
| | | | | | | | | 432 | -68.7 | -473.4 | 133.1 | -28.9 | -513.3 | 16.66 |
| | | | | | | | | 522 | -39.0 | -473.4 | 175.4 | 23.0 | -535.4 | 19.46 |
| | | | | | | | | 521 | -39.0 | -508.9 | 171.8 | 17.1 | -565.0 | 18.08 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|-------|--------|-------|-------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 431 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| 521 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 431 | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| 521 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 659 | 1 | 1 | VERIFI-1 | Cent | -95.4 | -646.0 | 43.4 | -92.0 | -649.4 | 4.47 |
| ----- | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -55.9 | -449.9 | 169.7 | 7.2 | -512.9 | 20.37 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 432 | -68.6 | -473.0 | 144.8 | -22.1 | -519.5 | 17.80 |
| ----- | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 432 | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| 522 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 660 | 1 | 1 | VERIFI-1 | Cent | -89.0 | -653.0 | 47.9 | -85.0 | -657.0 | 4.82 |
| ----- | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 524 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 524 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 433 | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 524 | | | | | | | | | | |
| 523 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -64.5 | -401.0 | 185.9 | 18.0 | -483.5 | 23.93 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 433 | -74.3 | -430.9 | 161.3 | -12.2 | -493.0 | 21.06 |
| ----- | | | | | | | | | | |
| 434 | | | | | | | | | | |
| 524 | | | | | | | | | | |
| 523 | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| | | | | | | | Cent | 3.0 | -46.7 | 4.0 | 3.3 | -47.0 | 4.57 |
| | | | | | | | 433 | -6.0 | -60.2 | 1.8 | -5.9 | -60.3 | 1.94 |
| | | | | | | | 434 | 0.2 | -56.7 | 5.2 | 0.6 | -57.2 | 5.22 |
| | | | | | | | 524 | 13.0 | -32.4 | 6.2 | 13.9 | -33.2 | 7.69 |
| | | | | | | | 523 | 4.8 | -37.4 | 2.8 | 5.0 | -37.6 | 3.85 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | -9.2 | -35.4 | | | | |
| | | | | | | | 433 | -7.9 | -34.5 | | | | |
| | | | | | | | 434 | -7.9 | -36.3 | | | | |
| | | | | | | | 524 | -10.5 | -36.3 | | | | |
| | | | | | | | 523 | -10.5 | -34.5 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| 661 | 1 | 1 | VERIFI-1 | Cent | -65.1 | -668.6 | 23.5 | -64.2 | -669.5 | 2.22 | | | |
| | | | | 434 | -73.7 | -659.3 | 43.6 | -70.5 | -662.5 | 4.23 | | | |
| | | | | 202 | -73.7 | -677.3 | 39.4 | -71.1 | -679.9 | 3.72 | | | |
| | | | | 203 | -56.7 | -677.3 | 3.3 | -56.7 | -677.3 | 0.31 | | | |
| | | | | 524 | -56.7 | -659.3 | 7.5 | -56.7 | -659.4 | 0.71 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 40.4 | 145.4 | -62.5 | 174.5 | 11.2 | -65.01 |
| | | | | | | | 434 | 74.5 | 205.3 | -55.8 | 225.8 | 54.0 | -69.77 |
| | | | | | | | 202 | 5.2 | 134.5 | -50.6 | 152.0 | -12.2 | -70.98 |
| | | | | | | | 203 | 13.2 | 94.5 | -68.4 | 133.4 | -25.7 | -60.36 |
| | | | | | | | 524 | 68.5 | 147.2 | -73.6 | 191.3 | 24.4 | -59.07 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 72.3 | 82.1 | | | | |
| | | | | | | | 434 | 79.9 | 94.7 | | | | |
| | | | | | | | 202 | 79.9 | 69.4 | | | | |
| | | | | | | | 203 | 64.8 | 69.4 | | | | |
| | | | | | | | 524 | 64.8 | 94.7 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | |
| | | | | VER.TR-1 | Cent | -89.7 | -354.2 | 211.2 | 27.2 | -471.1 | 28.97 | | |
| | | | | | 434 | -106.0 | -378.2 | 189.2 | -9.0 | -475.2 | 27.14 | | |
| | | | | | 202 | -106.0 | -331.7 | 160.9 | -22.3 | -415.4 | 27.48 | | |
| | | | | | 203 | -72.5 | -331.7 | 233.1 | 64.6 | -468.8 | 30.46 | | |
| | | | | | 524 | -72.5 | -378.2 | 261.4 | 77.5 | -528.1 | 29.84 | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 7.6 | -40.0 | 12.9 | 10.8 | -43.3 | 14.22 |
| | | | | | | | 434 | -4.0 | -57.6 | 9.2 | -2.5 | -59.1 | 9.46 |
| | | | | | | | 202 | 4.7 | -48.7 | 13.6 | 7.9 | -52.0 | 13.49 |
| | | | | | | | 203 | 20.3 | -20.6 | 16.8 | 26.3 | -26.5 | 19.67 |
| | | | | | | | 524 | 9.3 | -33.2 | 12.3 | 12.6 | -36.5 | 15.09 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | -11.2 | -39.0 | | | | |
| | | | | | | | 434 | -10.0 | -36.3 | | | | |
| | | | | | | | 202 | -10.0 | -41.8 | | | | |
| | | | | | | | 203 | -12.4 | -41.8 | | | | |
| | | | | | | | 524 | -12.4 | -36.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| 662 | 1 | 1 | VERIFI-1 | Cent | -116.4 | -520.3 | -23.7 | -115.0 | -521.6 | -3.34 | | | |
| | | | | 510 | -115.3 | -512.0 | -16.3 | -114.6 | -512.6 | -2.35 | | | |
| | | | | 511 | -115.3 | -528.7 | -18.9 | -114.5 | -529.6 | -2.61 | | | |
| | | | | 526 | -117.3 | -528.7 | -31.0 | -115.0 | -531.0 | -4.29 | | | |
| | | | | 525 | -117.3 | -512.0 | -28.4 | -115.3 | -514.0 | -4.10 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 89.8 | 496.2 | -11.6 | 496.6 | 89.5 | -88.36 |
| | | | | | | | 510 | 109.7 | 569.2 | -9.6 | 569.4 | 109.5 | -88.80 |
| | | | | | | | 511 | 102.8 | 562.9 | -11.7 | 563.2 | 102.5 | -88.54 |
| | | | | | | | 526 | 69.9 | 423.5 | -13.6 | 424.0 | 69.4 | -87.79 |
| | | | | | | | 525 | 76.7 | 429.3 | -11.5 | 429.7 | 76.4 | -88.13 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 9.3 | 221.8 | | | | |
| | | | | | | | 510 | 9.3 | 222.1 | | | | |
| | | | | | | | 511 | 9.3 | 221.5 | | | | |
| | | | | | | | 526 | 9.2 | 221.5 | | | | |
| | | | | | | | 525 | 9.2 | 222.1 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | |
| | | | | VER.TR-1 | Cent | -101.8 | -513.1 | 13.8 | -101.4 | -513.6 | 1.92 | | |
| | | | | | 510 | -102.7 | -506.1 | 16.9 | -102.0 | -506.8 | 2.39 | | |
| | | | | | 511 | -102.7 | -520.5 | 12.4 | -102.4 | -520.8 | 1.69 | | |
| | | | | | 526 | -100.6 | -520.5 | 10.8 | -100.3 | -520.7 | 1.47 | | |
| | | | | | 525 | -100.6 | -506.1 | 15.2 | -100.0 | -506.7 | 2.15 | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|----------|--------|--------|--------|-------|-------|--------|-------|
| | | | | | | | Cent | -3.3 | -9.2 | -3.0 | -2.1 | -10.4 | -22.56 | |
| | | | | | | | 510 | -2.2 | -8.6 | -2.6 | -1.3 | -9.5 | -19.42 | |
| | | | | | | | 511 | -3.8 | -10.1 | -2.9 | -2.6 | -11.2 | -21.06 | |
| | | | | | | | 526 | -4.3 | -9.7 | -3.3 | -2.7 | -11.3 | -25.57 | |
| | | | | | | | 525 | -2.9 | -8.4 | -3.0 | -1.6 | -9.7 | -24.01 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 1.9 | -0.7 | | | | | |
| | | | | | | | 510 | 2.0 | -0.5 | | | | | |
| | | | | | | | 511 | 2.0 | -0.9 | | | | | |
| | | | | | | | 526 | 1.8 | -0.9 | | | | | |
| | | | | | | | 525 | 1.8 | -0.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 663 | 1 | 1 | VERIFI-1 | Cent | -110.6 | -539.4 | -27.4 | -108.8 | -541.1 | -3.64 | | | | |
| | | | | 511 | -111.3 | -527.9 | -19.9 | -110.4 | -528.9 | -2.73 | | | | |
| | | | | 512 | -111.3 | -550.7 | -21.4 | -110.3 | -551.8 | -2.79 | | | | |
| | | | | 527 | -109.9 | -550.7 | -34.9 | -107.1 | -553.5 | -4.50 | | | | |
| | | | | 526 | -109.9 | -527.9 | -33.4 | -107.2 | -530.6 | -4.54 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 86.6 | 489.5 | -16.6 | 490.2 | 85.9 | -87.65 | |
| | | | | | | | 511 | 108.9 | 564.2 | -13.8 | 564.6 | 108.5 | -88.27 | |
| | | | | | | | 512 | 98.0 | 554.2 | -16.6 | 554.8 | 97.4 | -87.92 | |
| | | | | | | | 527 | 64.3 | 415.2 | -19.3 | 416.3 | 63.3 | -86.86 | |
| | | | | | | | 526 | 75.0 | 424.5 | -16.5 | 425.3 | 74.2 | -87.31 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 12.8 | 221.0 | | | | | |
| | | | | | | | 511 | 12.9 | 221.5 | | | | | |
| | | | | | | | 512 | 12.9 | 220.4 | | | | | |
| | | | | | | | 527 | 12.7 | 220.4 | | | | | |
| | | | | | | | 526 | 12.7 | 221.5 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -92.1 | -528.7 | 12.6 | -91.8 | -529.1 | 1.65 |
| | | | | | | | | 511 | -95.4 | -518.9 | 14.7 | -94.9 | -519.4 | 1.98 |
| | | | | | | | | 512 | -95.4 | -538.7 | 12.1 | -95.1 | -539.0 | 1.56 |
| | | | | | | | | 527 | -88.8 | -538.7 | 10.5 | -88.5 | -539.0 | 1.34 |
| | | | | | | | | 526 | -88.8 | -518.9 | 13.1 | -88.4 | -519.3 | 1.74 |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -3.8 | -10.6 | -3.7 | -2.2 | -12.2 | -23.41 | |
| | | | | | | | 511 | -2.4 | -9.8 | -3.2 | -1.2 | -11.0 | -20.20 | |
| | | | | | | | 512 | -4.5 | -11.9 | -3.6 | -3.1 | -13.4 | -21.79 | |
| | | | | | | | 527 | -5.0 | -11.2 | -4.1 | -3.0 | -13.3 | -26.48 | |
| | | | | | | | 526 | -3.2 | -9.5 | -3.7 | -1.5 | -11.2 | -24.95 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 2.3 | -1.1 | | | | | |
| | | | | | | | 511 | 2.4 | -0.9 | | | | | |
| | | | | | | | 512 | 2.4 | -1.4 | | | | | |
| | | | | | | | 527 | 2.1 | -1.4 | | | | | |
| | | | | | | | 526 | 2.1 | -0.9 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 664 | 1 | 1 | VERIFI-1 | Cent | -104.9 | -561.3 | -26.7 | -103.3 | -562.8 | -3.34 | | | | |
| | | | | 512 | -107.2 | -549.8 | -21.4 | -106.1 | -550.9 | -2.76 | | | | |
| | | | | 513 | -107.2 | -572.4 | -17.4 | -106.5 | -573.0 | -2.14 | | | | |
| | | | | 528 | -102.8 | -572.4 | -32.0 | -100.6 | -574.5 | -3.88 | | | | |
| | | | | 527 | -102.8 | -549.8 | -36.0 | -99.9 | -552.7 | -4.58 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 82.2 | 479.8 | -22.8 | 481.1 | 80.9 | -86.73 | |
| | | | | | | | 512 | 106.9 | 556.0 | -19.2 | 556.8 | 106.1 | -87.56 | |
| | | | | | | | 513 | 92.4 | 542.4 | -22.6 | 543.5 | 91.3 | -87.13 | |
| | | | | | | | 528 | 57.9 | 404.3 | -26.3 | 406.3 | 55.9 | -85.68 | |
| | | | | | | | 527 | 71.8 | 416.7 | -22.9 | 418.2 | 70.2 | -86.22 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 16.8 | 219.5 | | | | | |
| | | | | | | | 512 | 17.1 | 220.4 | | | | | |
| | | | | | | | 513 | 17.1 | 218.6 | | | | | |
| | | | | | | | 528 | 16.5 | 218.6 | | | | | |
| | | | | | | | 527 | 16.5 | 220.4 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -81.9 | -546.4 | 16.8 | -81.3 | -547.0 | 2.07 |
| | | | | | | | | 512 | -87.4 | -536.9 | 15.8 | -86.8 | -537.4 | 2.01 |
| | | | | | | | | 513 | -87.4 | -555.9 | 18.9 | -86.6 | -556.6 | 2.31 |
| | | | | | | | | 528 | -76.4 | -555.9 | 17.7 | -75.8 | -556.5 | 2.12 |
| | | | | | | | | 527 | -76.4 | -536.9 | 14.6 | -76.0 | -537.3 | 1.82 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|----------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| | | | | | | | | Cent | -4.3 | -12.4 | -4.5 | -2.4 | -14.4 | -23.92 |
| | | | | | | | | 512 | -2.8 | -11.6 | -3.9 | -1.3 | -13.1 | -20.73 |
| | | | | | | | | 513 | -5.2 | -14.1 | -4.3 | -3.5 | -15.9 | -22.11 |
| | | | | | | | | 528 | -5.7 | -13.0 | -5.0 | -3.2 | -15.5 | -27.00 |
| | | | | | | | | 527 | -3.7 | -11.0 | -4.6 | -1.5 | -13.2 | -25.67 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 2.6 | -1.7 | | | | |
| | | | | | | | | 512 | 2.8 | -1.4 | | | | |
| | | | | | | | | 513 | 2.8 | -2.1 | | | | |
| | | | | | | | | 528 | 2.4 | -2.1 | | | | |
| | | | | | | | | 527 | 2.4 | -1.4 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 665 | 1 | 1 | VERIFI-1 | Cent | -101.0 | -581.4 | -22.6 | -99.9 | -582.5 | -2.69 | | | | |
| | | | | 513 | -104.2 | -571.6 | -18.2 | -103.4 | -572.3 | -2.23 | | | | |
| | | | | 514 | -104.2 | -591.0 | -11.8 | -103.9 | -591.2 | -1.39 | | | | |
| | | | | 529 | -98.1 | -591.0 | -27.0 | -96.6 | -592.4 | -3.13 | | | | |
| | | | | 528 | -98.1 | -571.6 | -33.5 | -95.7 | -573.9 | -4.03 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 77.1 | 467.0 | -30.2 | 469.3 | 74.8 | -85.60 |
| | | | | | | | | 513 | 104.3 | 544.7 | -25.7 | 546.2 | 102.8 | -86.67 |
| | | | | | | | | 514 | 85.7 | 526.8 | -29.7 | 528.8 | 83.8 | -86.17 |
| | | | | | | | | 529 | 50.6 | 390.3 | -34.5 | 393.8 | 47.1 | -84.25 |
| | | | | | | | | 528 | 67.8 | 406.3 | -30.5 | 409.0 | 65.1 | -84.88 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 21.0 | 217.2 | | | | |
| | | | | | | | | 513 | 21.6 | 218.6 | | | | |
| | | | | | | | | 514 | 21.6 | 215.7 | | | | |
| | | | | | | | | 529 | 20.3 | 215.7 | | | | |
| | | | | | | | | 528 | 20.3 | 218.6 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | -73.0 | -561.5 | 25.2 | -71.7 | -562.8 | 2.95 | | | |
| | | | | | 513 | -80.0 | -554.0 | 22.4 | -79.0 | -555.1 | 2.69 | | | |
| | | | | | 514 | -80.0 | -569.0 | 28.0 | -78.4 | -570.6 | 3.27 | | | |
| | | | | | 529 | -66.0 | -569.0 | 28.1 | -64.4 | -570.6 | 3.19 | | | |
| | | | | | 528 | -66.0 | -554.0 | 22.5 | -65.0 | -555.1 | 2.63 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | -5.0 | -14.5 | -5.3 | -2.6 | -16.9 | -24.12 |
| | | | | | | | | 513 | -3.2 | -13.7 | -4.7 | -1.4 | -15.5 | -20.94 |
| | | | | | | | | 514 | -6.0 | -16.7 | -5.2 | -3.9 | -18.8 | -22.11 |
| | | | | | | | | 529 | -6.4 | -14.9 | -5.9 | -3.4 | -18.0 | -27.21 |
| | | | | | | | | 528 | -4.2 | -12.7 | -5.5 | -1.5 | -15.3 | -26.07 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 3.0 | -2.6 | | | | |
| | | | | | | | | 513 | 3.3 | -2.1 | | | | |
| | | | | | | | | 514 | 3.3 | -3.0 | | | | |
| | | | | | | | | 529 | 2.7 | -3.0 | | | | |
| | | | | | | | | 528 | 2.7 | -2.1 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 666 | 1 | 1 | VERIFI-1 | Cent | -99.0 | -598.3 | -17.0 | -98.4 | -598.9 | -1.95 | | | | |
| | | | | 514 | -102.5 | -590.5 | -12.8 | -102.1 | -590.8 | -1.50 | | | | |
| | | | | 515 | -102.5 | -605.9 | -5.9 | -102.4 | -605.9 | -0.67 | | | | |
| | | | | 530 | -95.7 | -605.9 | -21.2 | -94.8 | -606.7 | -2.38 | | | | |
| | | | | 529 | -95.7 | -590.5 | -28.1 | -94.1 | -592.1 | -3.24 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 71.3 | 450.7 | -38.7 | 454.6 | 67.4 | -84.24 |
| | | | | | | | | 514 | 101.0 | 529.8 | -33.3 | 532.4 | 98.5 | -85.59 |
| | | | | | | | | 515 | 78.2 | 507.0 | -37.8 | 510.3 | 74.9 | -85.00 |
| | | | | | | | | 530 | 42.7 | 373.1 | -43.9 | 378.8 | 37.0 | -82.55 |
| | | | | | | | | 529 | 63.4 | 392.8 | -39.4 | 397.5 | 58.7 | -83.27 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 25.3 | 213.5 | | | | |
| | | | | | | | | 514 | 26.4 | 215.7 | | | | |
| | | | | | | | | 515 | 26.4 | 211.4 | | | | |
| | | | | | | | | 530 | 24.2 | 211.4 | | | | |
| | | | | | | | | 529 | 24.2 | 215.7 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | -65.6 | -572.1 | 36.3 | -63.0 | -574.7 | 4.08 | | | |
| | | | | | 514 | -73.7 | -567.3 | 32.1 | -71.6 | -569.4 | 3.70 | | | |
| | | | | | 515 | -73.7 | -576.9 | 38.2 | -70.8 | -579.8 | 4.32 | | | |
| | | | | | 530 | -57.5 | -576.9 | 40.5 | -54.3 | -580.1 | 4.44 | | | |
| | | | | | 529 | -57.5 | -567.3 | 34.4 | -55.2 | -569.7 | 3.85 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|----------|-----|-----|----------|------|--------|--------|-------|-------|--------|-------|-------|-------|--------|
| | | | | | | | Cent | -6.6 | -22.3 | -8.2 | -3.2 | -25.8 | -23.14 |
| | | | | | | | 516 | -4.8 | -22.3 | -7.4 | -2.1 | -25.0 | -20.14 |
| | | | | | | | 517 | -8.4 | -26.5 | -7.8 | -5.5 | -29.4 | -20.48 |
| | | | | | | | 532 | -7.8 | -21.5 | -8.9 | -3.4 | -25.8 | -26.16 |
| | | | | | | | 531 | -5.6 | -18.9 | -8.4 | -1.5 | -22.9 | -25.85 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 3.2 | -7.1 | | | | |
| | | | | | | | 516 | 4.0 | -6.0 | | | | |
| | | | | | | | 517 | 4.0 | -8.1 | | | | |
| | | | | | | | 532 | 2.5 | -8.1 | | | | |
| | | | | | | | 531 | 2.5 | -6.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| 669 | 1 | 1 | VERIFI-1 | Cent | -96.0 | -628.6 | 1.2 | -96.0 | -628.6 | 0.13 | | | |
| | | | | 517 | -100.0 | -625.5 | 5.4 | -99.9 | -625.5 | 0.59 | | | |
| | | | | 518 | -100.0 | -631.6 | 12.2 | -99.7 | -631.9 | 1.32 | | | |
| | | | | 533 | -92.2 | -631.6 | -2.9 | -92.2 | -631.6 | -0.31 | | | |
| | | | | 532 | -92.2 | -625.5 | -9.8 | -92.0 | -625.7 | -1.05 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 52.0 | 378.2 | -69.6 | 392.5 | 37.8 | -78.44 |
| | | | | | | | 517 | 88.2 | 458.9 | -61.4 | 468.8 | 78.2 | -80.83 |
| | | | | | | | 518 | 51.8 | 419.1 | -67.0 | 431.0 | 40.0 | -79.98 |
| | | | | | | | 533 | 19.2 | 301.6 | -77.5 | 321.5 | -0.7 | -75.62 |
| | | | | | | | 532 | 48.9 | 333.2 | -71.9 | 350.4 | 31.8 | -76.58 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 37.5 | 190.7 | | | | |
| | | | | | | | 517 | 41.2 | 196.4 | | | | |
| | | | | | | | 518 | 41.2 | 185.0 | | | | |
| | | | | | | | 533 | 33.9 | 185.0 | | | | |
| | | | | | | | 532 | 33.9 | 196.4 | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| LC | | | | Cent | -45.8 | -571.6 | 77.4 | -34.7 | -582.8 | 8.21 | | | |
| VER.TR-1 | | | | 517 | -56.5 | -575.3 | 68.7 | -47.5 | -584.2 | 7.42 | | | |
| | | | | 518 | -56.5 | -568.5 | 73.3 | -46.2 | -578.8 | 7.99 | | | |
| | | | | 533 | -34.9 | -568.5 | 86.2 | -21.3 | -582.0 | 8.95 | | | |
| | | | | 532 | -34.9 | -575.3 | 81.6 | -22.8 | -587.3 | 8.40 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | -6.8 | -25.2 | -9.0 | -3.2 | -28.8 | -22.16 |
| | | | | | | | 517 | -5.3 | -25.8 | -8.2 | -2.4 | -28.7 | -19.34 |
| | | | | | | | 518 | -8.8 | -30.2 | -8.5 | -5.8 | -33.2 | -19.27 |
| | | | | | | | 533 | -7.5 | -23.5 | -9.6 | -3.0 | -28.0 | -25.05 |
| | | | | | | | 532 | -5.7 | -21.0 | -9.3 | -1.3 | -25.4 | -25.19 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 2.8 | -9.5 | | | | |
| | | | | | | | 517 | 3.8 | -8.1 | | | | |
| | | | | | | | 518 | 3.8 | -10.8 | | | | |
| | | | | | | | 533 | 1.8 | -10.8 | | | | |
| | | | | | | | 532 | 1.8 | -8.1 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| 670 | 1 | 1 | VERIFI-1 | Cent | -93.7 | -633.2 | 7.5 | -93.6 | -633.3 | 0.80 | | | |
| | | | | 518 | -98.2 | -631.1 | 11.3 | -98.0 | -631.4 | 1.21 | | | |
| | | | | 519 | -98.2 | -635.0 | 19.3 | -97.5 | -635.7 | 2.05 | | | |
| | | | | 534 | -89.3 | -635.0 | 3.8 | -89.3 | -635.0 | 0.40 | | | |
| | | | | 533 | -89.3 | -631.1 | -4.2 | -89.3 | -631.2 | -0.44 | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | Cent | 46.2 | 345.9 | -80.7 | 366.3 | 25.9 | -75.85 |
| | | | | | | | 518 | 83.4 | 425.5 | -71.7 | 439.9 | 68.9 | -78.63 |
| | | | | | | | 519 | 43.1 | 379.8 | -77.1 | 396.7 | 26.3 | -77.69 |
| | | | | | | | 534 | 13.4 | 271.6 | -89.2 | 299.4 | -14.3 | -72.68 |
| | | | | | | | 533 | 45.0 | 306.8 | -83.7 | 331.3 | 20.5 | -73.69 |
| | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | Cent | 40.3 | 177.8 | | | | |
| | | | | | | | 518 | 45.1 | 185.0 | | | | |
| | | | | | | | 519 | 45.1 | 170.5 | | | | |
| | | | | | | | 534 | 35.5 | 170.5 | | | | |
| | | | | | | | 533 | 35.5 | 185.0 | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| LC | | | | Cent | -38.8 | -560.3 | 93.6 | -22.5 | -576.5 | 9.87 | | | |
| VER.TR-1 | | | | 518 | -50.5 | -566.9 | 82.7 | -37.6 | -579.8 | 8.88 | | | |
| | | | | 519 | -50.5 | -554.2 | 86.8 | -35.9 | -568.8 | 9.51 | | | |
| | | | | 534 | -26.7 | -554.2 | 104.4 | -6.8 | -574.1 | 10.80 | | | |
| | | | | 533 | -26.7 | -566.9 | 100.3 | -8.7 | -584.9 | 10.18 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|------|----------|--------|-------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | -6.5 | -28.0 | -9.4 | -3.0 | -31.5 | -20.65 | |
| | | | | | | | | 518 | -5.6 | -29.6 | -8.8 | -2.8 | -32.5 | -18.13 | |
| | | | | | | | | 519 | -8.7 | -34.1 | -8.9 | -5.9 | -36.9 | -17.53 | |
| | | | | | | | | 534 | -6.3 | -25.1 | -9.9 | -2.0 | -29.4 | -23.28 | |
| | | | | | | | | 533 | -5.4 | -23.1 | -9.8 | -1.0 | -27.5 | -24.03 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.9 | -12.5 | | | | | |
| | | | | | | | | 518 | 3.1 | -10.8 | | | | | |
| | | | | | | | | 519 | 3.1 | -14.1 | | | | | |
| | | | | | | | | 534 | 0.7 | -14.1 | | | | | |
| | | | | | | | | 533 | 0.7 | -10.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 671 | 1 | 1 | VERIFI-1 | Cent | -90.1 | -635.3 | 14.5 | -89.7 | -635.7 | 1.52 | | | | | |
| | | | | 519 | -95.5 | -634.3 | 17.4 | -95.0 | -634.9 | 1.85 | | | | | |
| | | | | 520 | -95.5 | -635.9 | 27.6 | -94.1 | -637.3 | 2.91 | | | | | |
| | | | | 535 | -84.8 | -635.9 | 11.6 | -84.5 | -636.2 | 1.20 | | | | | |
| | | | | 534 | -84.8 | -634.3 | 1.4 | -84.8 | -634.3 | 0.15 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 41.9 | 309.8 | -91.1 | 337.8 | 13.9 | -72.90 | |
| | | | | | | | | 519 | 78.9 | 387.0 | -81.6 | 407.2 | 58.6 | -76.05 | |
| | | | | | | | | 520 | 35.6 | 335.7 | -86.4 | 358.8 | 12.5 | -75.03 | |
| | | | | | | | | 535 | 10.4 | 239.0 | -99.9 | 276.5 | -27.1 | -69.42 | |
| | | | | | | | | 534 | 42.7 | 277.4 | -95.1 | 311.1 | 9.0 | -70.50 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 41.7 | 161.7 | | | | | |
| | | | | | | | | 519 | 47.7 | 170.5 | | | | | |
| | | | | | | | | 520 | 47.7 | 152.8 | | | | | |
| | | | | | | | | 535 | 35.6 | 152.8 | | | | | |
| | | | | | | | | 534 | 35.6 | 170.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -31.8 | -542.7 | 111.2 | -8.6 | -565.8 | 11.77 |
| | | | | | | | | | 519 | -44.7 | -552.7 | 98.0 | -26.5 | -570.9 | 10.55 |
| | | | | | | | | | 520 | -44.7 | -533.3 | 101.4 | -24.5 | -553.5 | 11.27 |
| | | | | | | | | | 535 | -18.5 | -533.3 | 124.5 | 10.1 | -561.9 | 12.91 |
| | | | | | | | | | 534 | -18.5 | -552.7 | 121.1 | 7.7 | -578.8 | 12.19 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -5.4 | -30.5 | -9.4 | -2.3 | -33.6 | -18.38 | |
| | | | | | | | | 519 | -5.6 | -33.5 | -8.9 | -3.0 | -36.1 | -16.34 | |
| | | | | | | | | 520 | -7.7 | -37.7 | -8.7 | -5.4 | -40.0 | -15.07 | |
| | | | | | | | | 535 | -3.9 | -26.2 | -9.7 | -0.3 | -29.8 | -20.49 | |
| | | | | | | | | 534 | -4.4 | -24.8 | -9.9 | -0.4 | -28.8 | -22.10 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 0.3 | -16.0 | | | | | |
| | | | | | | | | 519 | 1.8 | -14.1 | | | | | |
| | | | | | | | | 520 | 1.8 | -17.9 | | | | | |
| | | | | | | | | 535 | -1.1 | -17.9 | | | | | |
| | | | | | | | | 534 | -1.1 | -14.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 672 | 1 | 1 | VERIFI-1 | Cent | -85.0 | -635.0 | 22.2 | -84.1 | -635.9 | 2.31 | | | | | |
| | | | | 520 | -91.9 | -635.1 | 23.9 | -90.9 | -636.1 | 2.52 | | | | | |
| | | | | 521 | -91.9 | -634.4 | 37.5 | -89.3 | -637.0 | 3.93 | | | | | |
| | | | | 536 | -78.4 | -634.4 | 20.6 | -77.7 | -635.2 | 2.11 | | | | | |
| | | | | 535 | -78.4 | -635.1 | 7.0 | -78.3 | -635.2 | 0.72 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 40.0 | 270.2 | -99.7 | 307.4 | 2.8 | -69.56 | |
| | | | | | | | | 520 | 75.3 | 343.6 | -90.1 | 371.0 | 47.8 | -73.07 | |
| | | | | | | | | 521 | 30.3 | 287.4 | -93.7 | 317.9 | -0.2 | -71.96 | |
| | | | | | | | | 536 | 11.3 | 204.4 | -108.5 | 253.1 | -37.4 | -65.84 | |
| | | | | | | | | 535 | 43.0 | 245.5 | -104.9 | 290.0 | -1.5 | -66.99 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 41.4 | 142.3 | | | | | |
| | | | | | | | | 520 | 48.8 | 152.8 | | | | | |
| | | | | | | | | 521 | 48.8 | 131.9 | | | | | |
| | | | | | | | | 536 | 34.1 | 131.9 | | | | | |
| | | | | | | | | 535 | 34.1 | 152.8 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -25.9 | -518.1 | 130.6 | 6.6 | -550.6 | 13.97 |
| | | | | | | | | | 520 | -39.9 | -532.0 | 114.8 | -14.5 | -557.5 | 12.51 |
| | | | | | | | | | 521 | -39.9 | -505.1 | 116.8 | -12.3 | -532.7 | 13.33 |
| | | | | | | | | | 536 | -11.3 | -505.1 | 146.3 | 28.8 | -545.2 | 15.33 |
| | | | | | | | | | 535 | -11.3 | -532.0 | 144.4 | 26.1 | -569.4 | 14.50 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|--------|-------|--------|--------|
| | | | | Cent | -3.1 | -32.5 | -8.4 | -0.9 | -34.8 | -14.94 |
| | | | | 520 | -5.0 | -37.1 | -8.3 | -2.9 | -39.2 | -13.69 |
| | | | | 521 | -5.5 | -40.8 | -7.6 | -3.9 | -42.3 | -11.60 |
| | | | | 536 | 0.2 | -26.3 | -8.4 | 2.6 | -28.7 | -16.15 |
| | | | | 535 | -2.3 | -25.8 | -9.2 | 0.9 | -29.0 | -18.92 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -2.0 | -20.1 | | | | |
| | | | | 520 | -0.3 | -17.9 | | | | |
| | | | | 521 | -0.3 | -22.2 | | | | |
| | | | | 536 | -3.7 | -22.2 | | | | |
| | | | | 535 | -3.7 | -17.9 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 673 | 1 | 1 | VERIFI-1 | Cent | -78.5 | -632.4 | 30.3 | -76.8 | -634.1 | 3.13 |
| | | | | 521 | -87.3 | -633.3 | 30.6 | -85.5 | -635.0 | 3.20 |
| | | | | 522 | -87.3 | -631.0 | 48.8 | -82.9 | -635.3 | 5.09 |
| | | | | 537 | -70.1 | -631.0 | 30.1 | -68.5 | -632.6 | 3.06 |
| | | | | 536 | -70.1 | -633.3 | 11.8 | -69.8 | -633.6 | 1.20 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 41.1 | 228.0 | -105.2 | 275.3 | -6.1 | -65.81 |
| | | | | 521 | 73.1 | 295.9 | -96.0 | 331.6 | 37.5 | -69.63 |
| | | | | 522 | 27.7 | 235.9 | -97.6 | 274.5 | -10.9 | -68.42 |
| | | | | 537 | 16.8 | 168.8 | -113.5 | 229.4 | -43.8 | -61.91 |
| | | | | 536 | 46.8 | 211.5 | -111.8 | 268.1 | -9.7 | -63.19 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 39.8 | 120.0 | | | | |
| | | | | 521 | 48.4 | 131.9 | | | | |
| | | | | 522 | 48.4 | 108.1 | | | | |
| | | | | 537 | 31.1 | 108.1 | | | | |
| | | | | 536 | 31.1 | 131.9 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -22.4 | -486.1 | 151.4 | 22.7 | -531.2 | 16.57 |
| | | | | 521 | -37.6 | -504.3 | 133.7 | -2.0 | -539.9 | 14.91 |
| | | | | 522 | -37.6 | -468.8 | 132.4 | -0.1 | -506.2 | 15.78 |
| | | | | 537 | -6.7 | -468.8 | 169.1 | 48.6 | -524.1 | 18.10 |
| | | | | 536 | -6.7 | -504.3 | 170.4 | 46.1 | -557.1 | 17.20 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 0.8 | -33.7 | -6.2 | 1.8 | -34.7 | -9.86 |
| | | | | 521 | -3.4 | -40.4 | -6.6 | -2.2 | -41.5 | -9.79 |
| | | | | 522 | -1.6 | -42.9 | -5.0 | -1.0 | -43.5 | -6.80 |
| | | | | 537 | 6.5 | -25.3 | -5.6 | 7.4 | -26.3 | -9.65 |
| | | | | 536 | 1.5 | -26.0 | -7.2 | 3.3 | -27.8 | -13.73 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -5.1 | -24.4 | | | | |
| | | | | 521 | -3.3 | -22.2 | | | | |
| | | | | 522 | -3.3 | -26.6 | | | | |
| | | | | 537 | -7.0 | -26.6 | | | | |
| | | | | 536 | -7.0 | -22.2 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 674 | 1 | 1 | VERIFI-1 | Cent | -69.9 | -628.4 | 36.6 | -67.5 | -630.8 | 3.73 |
| | | | | 522 | -80.6 | -629.0 | 35.9 | -78.2 | -631.3 | 3.73 |
| | | | | 523 | -80.6 | -627.5 | 58.7 | -74.3 | -633.7 | 6.06 |
| | | | | 538 | -59.4 | -627.5 | 37.3 | -57.0 | -629.9 | 3.74 |
| | | | | 537 | -59.4 | -629.0 | 14.5 | -59.1 | -629.4 | 1.46 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 45.1 | 184.3 | -106.1 | 241.6 | -12.2 | -61.63 |
| | | | | 522 | 72.7 | 244.9 | -97.9 | 289.1 | 28.4 | -65.66 |
| | | | | 523 | 27.2 | 182.6 | -96.9 | 229.1 | -19.3 | -64.37 |
| | | | | 538 | 26.3 | 133.2 | -113.3 | 205.0 | -45.5 | -57.63 |
| | | | | 537 | 54.4 | 176.3 | -114.3 | 244.9 | -14.2 | -59.04 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 38.0 | 95.1 | | | | |
| | | | | 522 | 47.8 | 108.1 | | | | |
| | | | | 523 | 47.8 | 82.1 | | | | |
| | | | | 538 | 28.2 | 82.1 | | | | |
| | | | | 537 | 28.2 | 108.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -23.3 | -446.6 | 173.8 | 39.0 | -508.8 | 19.70 |
| | | | | 522 | -39.8 | -469.2 | 155.8 | 10.8 | -519.8 | 17.98 |
| | | | | 523 | -39.8 | -424.5 | 148.3 | 10.7 | -475.0 | 18.81 |
| | | | | 538 | -6.4 | -424.5 | 191.9 | 68.4 | -499.2 | 21.27 |
| | | | | 537 | -6.4 | -469.2 | 199.4 | 67.7 | -543.3 | 20.37 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|------|----------|--------|-------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | 6.6 | -33.6 | -1.9 | 6.7 | -33.7 | -2.74 | |
| | | | | | | | | 522 | -0.5 | -42.7 | -3.1 | -0.3 | -42.9 | -4.17 | |
| | | | | | | | | 523 | 4.1 | -43.6 | -0.4 | 4.2 | -43.6 | -0.43 | |
| | | | | | | | | 538 | 15.2 | -23.0 | -0.6 | 15.3 | -23.0 | -0.88 | |
| | | | | | | | | 537 | 7.4 | -25.1 | -3.3 | 7.8 | -25.5 | -5.76 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -8.8 | -28.6 | | | | | |
| | | | | | | | | 522 | -7.0 | -26.6 | | | | | |
| | | | | | | | | 523 | -7.0 | -30.6 | | | | | |
| | | | | | | | | 538 | -10.7 | -30.6 | | | | | |
| | | | | | | | | 537 | -10.7 | -26.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 675 | 1 | 1 | VERIFI-1 | Cent | -56.0 | -622.6 | 33.1 | -54.1 | -624.5 | 3.33 | | | | | |
| | | | | 523 | -65.1 | -624.4 | 34.8 | -62.9 | -626.6 | 3.55 | | | | | |
| | | | | 524 | -65.1 | -620.6 | 53.2 | -60.0 | -625.6 | 5.42 | | | | | |
| | | | | 539 | -47.0 | -620.6 | 31.3 | -45.3 | -622.3 | 3.12 | | | | | |
| | | | | 538 | -47.0 | -624.4 | 12.9 | -46.7 | -624.7 | 1.28 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 49.5 | 140.7 | -101.4 | 206.3 | -16.0 | -57.10 | |
| | | | | | | | | 523 | 72.9 | 191.8 | -95.1 | 244.5 | 20.2 | -61.00 | |
| | | | | | | | | 524 | 24.9 | 129.7 | -90.7 | 182.0 | -27.4 | -60.01 | |
| | | | | | | | | 539 | 36.8 | 100.7 | -106.4 | 179.9 | -42.3 | -53.36 | |
| | | | | | | | | 538 | 63.6 | 140.7 | -110.9 | 219.5 | -15.3 | -54.59 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 39.3 | 67.1 | | | | | |
| | | | | | | | | 523 | 51.5 | 82.1 | | | | | |
| | | | | | | | | 524 | 51.5 | 52.2 | | | | | |
| | | | | | | | | 539 | 27.1 | 52.2 | | | | | |
| | | | | | | | | 538 | 27.1 | 82.1 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -31.2 | -402.0 | 200.0 | 56.1 | -489.4 | 23.59 |
| | | | | | | | | | 523 | -52.1 | -426.8 | 183.3 | 22.6 | -501.5 | 22.18 |
| | | | | | | | | | 524 | -52.1 | -377.3 | 169.7 | 20.3 | -449.7 | 23.12 |
| | | | | | | | | | 539 | -10.3 | -377.3 | 216.8 | 90.2 | -477.8 | 24.88 |
| | | | | | | | | | 538 | -10.3 | -426.8 | 230.3 | 92.0 | -529.1 | 23.94 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 14.0 | -31.7 | 5.1 | 14.5 | -32.3 | 6.34 | |
| | | | | | | | | 523 | 3.5 | -43.7 | 2.8 | 3.7 | -43.9 | 3.41 | |
| | | | | | | | | 524 | 11.2 | -41.8 | 7.1 | 12.1 | -42.7 | 7.49 | |
| | | | | | | | | 539 | 25.7 | -18.5 | 7.6 | 27.0 | -19.8 | 9.48 | |
| | | | | | | | | 538 | 15.5 | -23.0 | 3.3 | 15.8 | -23.2 | 4.92 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -12.0 | -32.3 | | | | | |
| | | | | | | | | 523 | -10.5 | -30.6 | | | | | |
| | | | | | | | | 524 | -10.5 | -34.0 | | | | | |
| | | | | | | | | 539 | -13.5 | -34.0 | | | | | |
| | | | | | | | | 538 | -13.5 | -30.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 676 | 1 | 1 | VERIFI-1 | Cent | -39.4 | -608.3 | 6.2 | -39.3 | -608.3 | 0.63 | | | | | |
| | | | | 524 | -43.4 | -619.3 | 17.7 | -42.8 | -619.8 | 1.76 | | | | | |
| | | | | 203 | -43.4 | -595.4 | 14.3 | -43.0 | -595.8 | 1.49 | | | | | |
| | | | | 204 | -36.6 | -595.4 | -5.3 | -36.6 | -595.4 | -0.54 | | | | | |
| | | | | 539 | -36.6 | -619.3 | -1.9 | -36.6 | -619.3 | -0.19 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 47.4 | 99.7 | -90.1 | 167.4 | -20.3 | -53.09 | |
| | | | | | | | | 524 | 66.6 | 138.0 | -87.7 | 197.0 | 7.6 | -56.07 | |
| | | | | | | | | 203 | 10.2 | 79.3 | -77.4 | 129.5 | -40.0 | -57.04 | |
| | | | | | | | | 204 | 43.1 | 74.1 | -91.0 | 150.9 | -33.7 | -49.85 | |
| | | | | | | | | 539 | 69.8 | 107.3 | -101.3 | 191.6 | -14.5 | -50.24 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 46.9 | 35.9 | | | | | |
| | | | | | | | | 524 | 64.8 | 52.2 | | | | | |
| | | | | | | | | 203 | 64.8 | 19.6 | | | | | |
| | | | | | | | | 204 | 29.1 | 19.6 | | | | | |
| | | | | | | | | 539 | 29.1 | 52.2 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -45.0 | -361.2 | 231.2 | 77.0 | -483.2 | 27.82 |
| | | | | | | | | | 524 | -72.2 | -380.4 | 220.6 | 42.8 | -495.4 | 27.54 |
| | | | | | | | | | 203 | -72.2 | -341.9 | 199.1 | 33.4 | -447.6 | 27.95 |
| | | | | | | | | | 204 | -18.0 | -341.9 | 241.8 | 111.1 | -471.0 | 28.09 |
| | | | | | | | | | 539 | -18.0 | -380.4 | 263.3 | 120.4 | -518.8 | 27.73 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|--------|--------|--------|
| | | | | Cent | 21.1 | -27.6 | 16.9 | 26.4 | -32.9 | 17.37 |
| | | | | 524 | 7.4 | -42.5 | 13.2 | 10.7 | -45.8 | 13.92 |
| | | | | 203 | 16.7 | -38.9 | 19.3 | 22.7 | -45.0 | 17.42 |
| | | | | 204 | 36.0 | -10.3 | 20.8 | 44.0 | -18.2 | 20.95 |
| | | | | 539 | 24.2 | -18.8 | 14.6 | 28.7 | -23.3 | 17.11 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -13.5 | -37.6 | | | | |
| | | | | 524 | -12.4 | -34.0 | | | | |
| | | | | 203 | -12.4 | -41.3 | | | | |
| | | | | 204 | -14.7 | -41.3 | | | | |
| | | | | 539 | -14.7 | -34.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 677 | 1 | 1 | VERIFI-1 | Cent | -111.6 | -492.2 | -29.8 | -109.3 | -494.5 | -4.45 |
| | | | | 525 | -111.6 | -481.2 | -23.0 | -110.2 | -482.6 | -3.55 |
| | | | | 526 | -111.6 | -503.2 | -25.3 | -110.0 | -504.8 | -3.68 |
| | | | | 436 | -111.6 | -503.2 | -36.6 | -108.2 | -506.6 | -5.29 |
| | | | | 435 | -111.6 | -481.2 | -34.2 | -108.4 | -484.3 | -5.25 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 59.3 | 372.4 | -14.9 | 373.1 | 58.6 | -87.29 |
| | | | | 525 | 77.8 | 434.4 | -12.8 | 434.9 | 77.3 | -87.95 |
| | | | | 526 | 71.1 | 429.5 | -15.5 | 430.1 | 70.4 | -87.53 |
| | | | | 436 | 41.1 | 310.6 | -16.9 | 311.7 | 40.0 | -86.43 |
| | | | | 435 | 47.4 | 315.1 | -14.2 | 315.9 | 46.7 | -86.97 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 9.0 | 188.4 | | | | |
| | | | | 525 | 9.2 | 188.7 | | | | |
| | | | | 526 | 9.2 | 188.1 | | | | |
| | | | | 436 | 8.8 | 188.1 | | | | |
| | | | | 435 | 8.8 | 188.7 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -93.9 | -486.8 | 4.0 | -93.8 | -486.9 | 0.58 |
| | | | | 525 | -95.2 | -476.8 | 8.1 | -95.0 | -477.0 | 1.22 |
| | | | | 526 | -95.2 | -497.1 | 2.1 | -95.2 | -497.1 | 0.30 |
| | | | | 436 | -92.3 | -497.1 | -0.1 | -92.3 | -497.1 | -0.02 |
| | | | | 435 | -92.3 | -476.8 | 5.9 | -92.2 | -476.9 | 0.88 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -3.9 | -8.0 | -3.8 | -1.7 | -10.3 | -30.49 |
| | | | | 525 | -2.8 | -7.6 | -3.4 | -1.1 | -9.4 | -27.16 |
| | | | | 526 | -4.2 | -8.9 | -3.8 | -2.1 | -11.0 | -28.93 |
| | | | | 436 | -4.9 | -8.3 | -4.1 | -2.1 | -11.1 | -33.58 |
| | | | | 435 | -3.7 | -7.3 | -3.7 | -1.3 | -9.7 | -32.07 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 1.7 | -1.0 | | | | |
| | | | | 525 | 1.8 | -0.9 | | | | |
| | | | | 526 | 1.8 | -1.2 | | | | |
| | | | | 436 | 1.6 | -1.2 | | | | |
| | | | | 435 | 1.6 | -0.9 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 678 | 1 | 1 | VERIFI-1 | Cent | -102.8 | -516.8 | -33.9 | -100.1 | -519.5 | -4.65 |
| | | | | 526 | -105.0 | -502.2 | -27.7 | -103.1 | -504.1 | -3.97 |
| | | | | 527 | -105.0 | -530.9 | -26.3 | -103.4 | -532.5 | -3.53 |
| | | | | 437 | -101.0 | -530.9 | -40.1 | -97.3 | -534.6 | -5.28 |
| | | | | 436 | -101.0 | -502.2 | -41.5 | -96.8 | -506.4 | -5.84 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 55.3 | 367.1 | -21.2 | 368.5 | 53.9 | -86.13 |
| | | | | 526 | 76.2 | 430.5 | -18.3 | 431.4 | 75.2 | -87.05 |
| | | | | 527 | 65.8 | 422.5 | -22.0 | 423.8 | 64.4 | -86.49 |
| | | | | 437 | 34.7 | 304.1 | -24.0 | 306.3 | 32.6 | -84.95 |
| | | | | 436 | 44.5 | 311.3 | -20.4 | 312.9 | 43.0 | -85.66 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 12.4 | 187.5 | | | | |
| | | | | 526 | 12.7 | 188.1 | | | | |
| | | | | 527 | 12.7 | 186.9 | | | | |
| | | | | 437 | 12.1 | 186.9 | | | | |
| | | | | 436 | 12.1 | 188.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -80.3 | -508.6 | 1.9 | -80.3 | -508.6 | 0.25 |
| | | | | 526 | -84.4 | -495.1 | 4.4 | -84.3 | -495.1 | 0.62 |
| | | | | 527 | -84.4 | -521.8 | 2.9 | -84.3 | -521.8 | 0.37 |
| | | | | 437 | -76.4 | -521.8 | -0.7 | -76.4 | -521.8 | -0.09 |
| | | | | 436 | -76.4 | -495.1 | 0.9 | -76.4 | -495.1 | 0.13 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -4.4 | -9.2 | -4.6 | -1.6 | -11.9 | -31.24 | |
| | | | | | | | | 526 | -3.1 | -8.7 | -4.1 | -0.9 | -10.9 | -27.95 | |
| | | | | | | | | 527 | -4.9 | -10.3 | -4.6 | -2.2 | -13.0 | -29.63 | |
| | | | | | | | | 437 | -5.5 | -9.5 | -5.0 | -2.1 | -12.9 | -34.28 | |
| | | | | | | | | 436 | -4.0 | -8.2 | -4.6 | -1.1 | -11.1 | -32.85 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.9 | -1.4 | | | | | |
| | | | | | | | | 526 | 2.1 | -1.2 | | | | | |
| | | | | | | | | 527 | 2.1 | -1.7 | | | | | |
| | | | | | | | | 437 | 1.8 | -1.7 | | | | | |
| | | | | | | | | 436 | 1.8 | -1.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 679 | 1 | 1 | VERIFI-1 | Cent | -95.4 | -542.8 | -31.5 | -93.2 | -545.0 | -4.01 | | | | | |
| | | | | 527 | -98.9 | -529.5 | -27.4 | -97.1 | -531.3 | -3.63 | | | | | |
| | | | | 528 | -98.9 | -555.5 | -20.1 | -98.0 | -556.4 | -2.51 | | | | | |
| | | | | 438 | -92.4 | -555.5 | -35.6 | -89.7 | -558.2 | -4.37 | | | | | |
| | | | | 437 | -92.4 | -529.5 | -42.9 | -88.2 | -533.7 | -5.56 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 50.1 | 359.3 | -29.2 | 362.1 | 47.3 | -84.66 | |
| | | | | | | | | 527 | 73.2 | 424.0 | -25.6 | 425.8 | 71.3 | -85.85 | |
| | | | | | | | | 528 | 59.6 | 412.8 | -29.9 | 415.3 | 57.1 | -85.20 | |
| | | | | | | | | 438 | 27.4 | 295.4 | -32.7 | 299.3 | 23.5 | -83.13 | |
| | | | | | | | | 437 | 40.0 | 305.2 | -28.4 | 308.2 | 37.0 | -83.96 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 15.9 | 185.9 | | | | | |
| | | | | | | | | 527 | 16.5 | 186.9 | | | | | |
| | | | | | | | | 528 | 16.5 | 185.0 | | | | | |
| | | | | | | | | 438 | 15.3 | 185.0 | | | | | |
| | | | | | | | | 437 | 15.3 | 186.9 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -67.2 | -531.2 | 7.3 | -67.1 | -531.3 | 0.90 |
| | | | | | | | | 527 | -73.1 | -519.3 | 7.0 | -73.0 | -519.4 | 0.90 | |
| | | | | | | | | 528 | -73.1 | -542.8 | 11.5 | -72.8 | -543.1 | 1.40 | |
| | | | | | | | | 438 | -61.5 | -542.8 | 7.5 | -61.4 | -542.9 | 0.89 | |
| | | | | | | | | 437 | -61.5 | -519.3 | 3.1 | -61.5 | -519.3 | 0.38 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -4.9 | -10.5 | -5.6 | -1.5 | -13.9 | -31.67 | |
| | | | | | | | | 527 | -3.5 | -10.1 | -5.1 | -0.7 | -12.8 | -28.49 | |
| | | | | | | | | 528 | -5.5 | -12.0 | -5.6 | -2.3 | -15.2 | -29.91 | |
| | | | | | | | | 438 | -6.2 | -10.7 | -6.0 | -2.0 | -14.9 | -34.63 | |
| | | | | | | | | 437 | -4.5 | -9.3 | -5.5 | -0.9 | -12.9 | -33.44 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.2 | -2.0 | | | | | |
| | | | | | | | | 527 | 2.4 | -1.7 | | | | | |
| | | | | | | | | 528 | 2.4 | -2.3 | | | | | |
| | | | | | | | | 438 | 1.9 | -2.3 | | | | | |
| | | | | | | | | 437 | 1.9 | -1.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 680 | 1 | 1 | VERIFI-1 | Cent | -91.3 | -564.8 | -25.3 | -90.0 | -566.2 | -3.05 | | | | | |
| | | | | 528 | -94.7 | -554.4 | -21.5 | -93.7 | -555.4 | -2.68 | | | | | |
| | | | | 529 | -94.7 | -574.8 | -13.1 | -94.4 | -575.2 | -1.56 | | | | | |
| | | | | 439 | -88.1 | -574.8 | -29.0 | -86.4 | -576.6 | -3.40 | | | | | |
| | | | | 438 | -88.1 | -554.4 | -37.5 | -85.1 | -557.4 | -4.56 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 44.1 | 349.0 | -38.6 | 353.8 | 39.3 | -82.90 | |
| | | | | | | | | 528 | 69.5 | 414.8 | -34.1 | 418.2 | 66.2 | -84.41 | |
| | | | | | | | | 529 | 52.5 | 400.1 | -39.2 | 404.5 | 48.2 | -83.65 | |
| | | | | | | | | 439 | 19.6 | 284.3 | -42.9 | 291.1 | 12.8 | -81.01 | |
| | | | | | | | | 438 | 34.8 | 296.9 | -37.9 | 302.2 | 29.4 | -81.93 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 19.3 | 183.5 | | | | | |
| | | | | | | | | 528 | 20.3 | 185.0 | | | | | |
| | | | | | | | | 529 | 20.3 | 182.0 | | | | | |
| | | | | | | | | 439 | 18.4 | 182.0 | | | | | |
| | | | | | | | | 438 | 18.4 | 185.0 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -56.9 | -549.0 | 17.5 | -56.3 | -549.7 | 2.03 |
| | | | | | | | | 528 | -63.4 | -540.4 | 16.2 | -62.9 | -540.9 | 1.94 | |
| | | | | | | | | 529 | -63.4 | -557.6 | 21.6 | -62.5 | -558.5 | 2.50 | |
| | | | | | | | | 439 | -50.4 | -557.6 | 18.8 | -49.7 | -558.3 | 2.12 | |
| | | | | | | | | 438 | -50.4 | -540.4 | 13.4 | -50.1 | -540.8 | 1.57 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|----------|-------|--------|--------|-------|-------|--------|-------|
| | | | | | | | Cent | -5.5 | -12.0 | -6.6 | -1.4 | -16.1 | -31.81 | |
| | | | | | | | 528 | -4.0 | -11.7 | -6.0 | -0.6 | -15.0 | -28.71 | |
| | | | | | | | 529 | -6.2 | -13.9 | -6.6 | -2.5 | -17.7 | -29.88 | |
| | | | | | | | 439 | -6.7 | -12.1 | -7.1 | -1.8 | -17.0 | -34.72 | |
| | | | | | | | 438 | -5.0 | -10.5 | -6.6 | -0.6 | -14.9 | -33.76 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 2.3 | -2.8 | | | | | |
| | | | | | | | 528 | 2.7 | -2.3 | | | | | |
| | | | | | | | 529 | 2.7 | -3.2 | | | | | |
| | | | | | | | 439 | 2.0 | -3.2 | | | | | |
| | | | | | | | 438 | 2.0 | -2.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 681 | 1 | 1 | VERIFI-1 | Cent | -89.7 | -582.0 | -18.1 | -89.0 | -582.7 | -2.10 | | | | |
| | | | | 529 | -92.5 | -574.3 | -14.1 | -92.1 | -574.7 | -1.68 | | | | |
| | | | | 530 | -92.5 | -589.5 | -6.6 | -92.4 | -589.6 | -0.76 | | | | |
| | | | | 440 | -87.0 | -589.5 | -22.1 | -86.0 | -590.5 | -2.51 | | | | |
| | | | | 439 | -87.0 | -574.3 | -29.6 | -85.2 | -576.1 | -3.46 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 37.7 | 335.9 | -49.3 | 343.9 | 29.8 | -80.84 | |
| | | | | | | | 529 | 65.3 | 402.7 | -44.0 | 408.3 | 59.7 | -82.68 | |
| | | | | | | | 530 | 44.9 | 384.1 | -49.7 | 391.2 | 37.8 | -81.83 | |
| | | | | | | | 440 | 11.5 | 270.8 | -54.5 | 281.7 | 0.5 | -78.60 | |
| | | | | | | | 439 | 29.2 | 286.2 | -48.8 | 295.2 | 20.2 | -79.60 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 22.6 | 179.9 | | | | | |
| | | | | | | | 529 | 24.2 | 182.0 | | | | | |
| | | | | | | | 530 | 24.2 | 177.7 | | | | | |
| | | | | | | | 440 | 21.1 | 177.7 | | | | | |
| | | | | | | | 439 | 21.1 | 182.0 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -48.6 | -560.9 | 29.8 | -46.9 | -562.7 | 3.32 |
| | | | | | | | | 529 | -55.2 | -555.7 | 27.9 | -53.7 | -557.2 | 3.18 |
| | | | | | | | | 530 | -55.2 | -566.3 | 32.0 | -53.3 | -568.3 | 3.57 |
| | | | | | | | | 440 | -41.9 | -566.3 | 31.7 | -40.0 | -568.2 | 3.45 |
| | | | | | | | | 439 | -41.9 | -555.7 | 27.6 | -40.5 | -557.1 | 3.06 |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -6.0 | -13.7 | -7.7 | -1.3 | -18.5 | -31.70 | |
| | | | | | | | 529 | -4.5 | -13.5 | -7.1 | -0.6 | -17.4 | -28.68 | |
| | | | | | | | 530 | -6.9 | -16.0 | -7.6 | -2.6 | -20.3 | -29.56 | |
| | | | | | | | 440 | -7.2 | -13.5 | -8.2 | -1.5 | -19.1 | -34.56 | |
| | | | | | | | 439 | -5.5 | -11.8 | -7.7 | -0.4 | -17.0 | -33.86 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 2.4 | -3.8 | | | | | |
| | | | | | | | 529 | 2.8 | -3.2 | | | | | |
| | | | | | | | 530 | 2.8 | -4.3 | | | | | |
| | | | | | | | 440 | 1.9 | -4.3 | | | | | |
| | | | | | | | 439 | 1.9 | -3.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 682 | 1 | 1 | VERIFI-1 | Cent | -89.1 | -595.0 | -11.5 | -88.8 | -595.3 | -1.30 | | | | |
| | | | | 530 | -91.4 | -589.3 | -7.2 | -91.3 | -589.4 | -0.83 | | | | |
| | | | | 531 | -91.4 | -600.5 | -0.7 | -91.4 | -600.5 | -0.08 | | | | |
| | | | | 441 | -86.9 | -600.5 | -15.7 | -86.4 | -601.0 | -1.75 | | | | |
| | | | | 440 | -86.9 | -589.3 | -22.2 | -85.9 | -590.3 | -2.52 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 31.2 | 319.9 | -61.3 | 332.4 | 18.7 | -78.50 | |
| | | | | | | | 530 | 60.8 | 387.2 | -55.1 | 396.3 | 51.7 | -80.67 | |
| | | | | | | | 531 | 36.9 | 364.5 | -61.3 | 375.6 | 25.8 | -79.73 | |
| | | | | | | | 441 | 3.6 | 254.8 | -67.2 | 271.7 | -13.2 | -75.93 | |
| | | | | | | | 440 | 23.5 | 273.2 | -61.0 | 287.3 | 9.4 | -76.98 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 25.7 | 174.7 | | | | | |
| | | | | | | | 530 | 27.9 | 177.7 | | | | | |
| | | | | | | | 531 | 27.9 | 171.7 | | | | | |
| | | | | | | | 441 | 23.5 | 171.7 | | | | | |
| | | | | | | | 440 | 23.5 | 177.7 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -41.1 | -567.0 | 42.8 | -37.7 | -570.4 | 4.62 |
| | | | | | | | | 530 | -47.9 | -564.7 | 40.2 | -44.8 | -567.8 | 4.42 |
| | | | | | | | | 531 | -47.9 | -569.5 | 42.7 | -44.4 | -573.0 | 4.65 |
| | | | | | | | | 441 | -34.2 | -569.5 | 45.3 | -30.4 | -573.3 | 4.80 |
| | | | | | | | | 440 | -34.2 | -564.7 | 42.8 | -30.8 | -568.1 | 4.58 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -6.4 | -15.5 | -8.7 | -1.1 | -20.8 | -31.32 | |
| | | | | 530 | -5.0 | -15.6 | -8.1 | -0.6 | -20.0 | -28.40 | |
| | | | | 531 | -7.4 | -18.3 | -8.7 | -2.6 | -23.1 | -28.94 | |
| | | | | 441 | -7.4 | -14.8 | -9.3 | -1.1 | -21.1 | -34.12 | |
| | | | | 440 | -5.9 | -13.2 | -8.8 | -0.1 | -19.1 | -33.75 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 2.2 | -5.1 | | | | | |
| | | | | 530 | 2.8 | -4.3 | | | | | |
| | | | | 531 | 2.8 | -5.8 | | | | | |
| | | | | 441 | 1.6 | -5.8 | | | | | |
| | | | | 440 | 1.6 | -4.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 683 | 1 | 1 | VERIFI-1 | Cent | -88.4 | -604.6 | -5.7 | -88.3 | -604.7 | -0.63 | |
| | | | | 531 | -90.4 | -600.4 | -1.2 | -90.4 | -600.4 | -0.13 | |
| | | | | 532 | -90.4 | -608.7 | 4.7 | -90.4 | -608.7 | 0.52 | |
| | | | | 442 | -86.5 | -608.7 | -10.2 | -86.3 | -608.9 | -1.12 | |
| | | | | 441 | -86.5 | -600.4 | -16.1 | -86.0 | -600.9 | -1.79 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 24.9 | 301.0 | -74.2 | 319.6 | 6.2 | -75.87 | |
| | | | | 531 | 56.0 | 368.3 | -67.2 | 382.2 | 42.2 | -78.35 | |
| | | | | 532 | 29.0 | 341.3 | -73.8 | 357.8 | 12.4 | -77.34 | |
| | | | | 442 | -3.6 | 236.6 | -80.8 | 261.3 | -28.2 | -73.03 | |
| | | | | 441 | 18.0 | 257.7 | -74.2 | 278.8 | -3.1 | -74.12 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 28.2 | 167.6 | | | | | |
| | | | | 531 | 31.3 | 171.7 | | | | | |
| | | | | 532 | 31.3 | 163.6 | | | | | |
| | | | | 442 | 25.2 | 163.6 | | | | | |
| | | | | 441 | 25.2 | 171.7 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -33.4 | -567.6 | 56.2 | -27.5 | -573.5 | 5.94 |
| | | | | | 531 | -40.7 | -567.9 | 52.8 | -35.4 | -573.1 | 5.66 |
| | | | | | 532 | -40.7 | -567.7 | 53.9 | -35.2 | -573.1 | 5.78 |
| | | | | | 442 | -25.9 | -567.7 | 59.6 | -19.4 | -574.1 | 6.21 |
| | | | | | 441 | -25.9 | -567.9 | 58.5 | -19.7 | -574.1 | 6.09 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -6.6 | -17.3 | -9.7 | -0.8 | -23.0 | -30.61 | |
| | | | | 531 | -5.4 | -17.9 | -9.2 | -0.5 | -22.7 | -27.83 | |
| | | | | 532 | -7.6 | -20.6 | -9.6 | -2.5 | -25.7 | -27.94 | |
| | | | | 442 | -7.1 | -16.0 | -10.2 | -0.4 | -22.7 | -33.32 | |
| | | | | 441 | -6.1 | -14.6 | -9.8 | 0.3 | -21.0 | -33.37 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 1.8 | -6.7 | | | | | |
| | | | | 531 | 2.5 | -5.8 | | | | | |
| | | | | 532 | 2.5 | -7.6 | | | | | |
| | | | | 442 | 1.0 | -7.6 | | | | | |
| | | | | 441 | 1.0 | -5.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 684 | 1 | 1 | VERIFI-1 | Cent | -86.8 | -611.6 | -0.5 | -86.8 | -611.6 | -0.06 | |
| | | | | 532 | -88.8 | -608.4 | 4.0 | -88.8 | -608.4 | 0.44 | |
| | | | | 533 | -88.8 | -614.6 | 10.0 | -88.6 | -614.8 | 1.09 | |
| | | | | 443 | -85.0 | -614.6 | -5.1 | -84.9 | -614.7 | -0.55 | |
| | | | | 442 | -85.0 | -608.4 | -11.1 | -84.7 | -608.6 | -1.21 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 19.3 | 279.1 | -87.7 | 305.9 | -7.5 | -72.98 | |
| | | | | 532 | 51.5 | 345.7 | -80.1 | 366.1 | 31.1 | -75.73 | |
| | | | | 533 | 21.7 | 314.3 | -86.9 | 338.1 | -2.1 | -74.65 | |
| | | | | 443 | -9.3 | 216.2 | -95.0 | 250.9 | -44.0 | -69.95 | |
| | | | | 442 | 13.4 | 240.0 | -88.1 | 270.2 | -16.9 | -71.06 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 29.9 | 158.3 | | | | | |
| | | | | 532 | 33.9 | 163.6 | | | | | |
| | | | | 533 | 33.9 | 153.1 | | | | | |
| | | | | 443 | 25.9 | 153.1 | | | | | |
| | | | | 442 | 25.9 | 163.6 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -24.9 | -563.1 | 70.5 | -15.9 | -572.1 | 7.34 |
| | | | | | 532 | -33.1 | -565.9 | 65.9 | -25.0 | -573.9 | 6.95 |
| | | | | | 533 | -33.1 | -560.6 | 66.0 | -24.9 | -568.8 | 7.02 |
| | | | | | 443 | -16.6 | -560.6 | 75.1 | -6.4 | -570.8 | 7.72 |
| | | | | | 442 | -16.6 | -565.9 | 75.0 | -6.5 | -575.9 | 7.64 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|--------|-------|--------|--------|
| | | | | Cent | -6.2 | -19.0 | -10.5 | -0.3 | -24.9 | -29.43 |
| | | | | 532 | -5.5 | -20.2 | -10.0 | -0.5 | -25.3 | -26.87 |
| | | | | 533 | -7.4 | -23.0 | -10.3 | -2.2 | -28.1 | -26.42 |
| | | | | 443 | -6.2 | -16.9 | -10.9 | 0.7 | -23.7 | -31.97 |
| | | | | 442 | -5.9 | -15.7 | -10.6 | 0.9 | -22.5 | -32.60 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 0.9 | -8.7 | | | | |
| | | | | 532 | 1.8 | -7.6 | | | | |
| | | | | 533 | 1.8 | -9.8 | | | | |
| | | | | 443 | 0.0 | -9.8 | | | | |
| | | | | 442 | 0.0 | -7.6 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 685 | 1 | 1 | VERIFI-1 | Cent | -83.7 | -616.4 | 4.5 | -83.7 | -616.4 | 0.48 |
| | | | | 533 | -86.0 | -614.0 | 8.7 | -85.9 | -614.2 | 0.95 |
| | | | | 534 | -86.0 | -618.6 | 15.7 | -85.5 | -619.0 | 1.69 |
| | | | | 444 | -81.5 | -618.6 | 0.3 | -81.5 | -618.6 | 0.03 |
| | | | | 443 | -81.5 | -614.0 | -6.7 | -81.5 | -614.1 | -0.72 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 15.3 | 254.3 | -101.3 | 291.5 | -21.9 | -69.85 |
| | | | | 533 | 47.6 | 319.5 | -93.1 | 348.3 | 18.7 | -72.80 |
| | | | | 534 | 15.9 | 283.6 | -99.8 | 316.7 | -17.3 | -71.65 |
| | | | | 444 | -12.4 | 194.0 | -109.1 | 240.9 | -59.4 | -66.71 |
| | | | | 443 | 10.2 | 220.1 | -102.4 | 261.8 | -31.4 | -67.86 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 30.4 | 146.5 | | | | |
| | | | | 533 | 35.5 | 153.1 | | | | |
| | | | | 534 | 35.5 | 140.0 | | | | |
| | | | | 444 | 25.3 | 140.0 | | | | |
| | | | | 443 | 25.3 | 153.1 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -15.7 | -553.1 | 86.3 | -2.2 | -566.7 | 8.90 |
| | | | | 533 | -25.1 | -558.7 | 80.1 | -13.3 | -570.5 | 8.36 |
| | | | | 534 | -25.1 | -548.0 | 79.4 | -13.3 | -559.8 | 8.45 |
| | | | | 444 | -6.1 | -548.0 | 92.5 | 9.3 | -563.4 | 9.42 |
| | | | | 443 | -6.1 | -558.7 | 93.2 | 9.2 | -574.0 | 9.32 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -5.2 | -20.4 | -10.9 | 0.5 | -26.1 | -27.57 |
| | | | | 533 | -5.3 | -22.6 | -10.6 | -0.3 | -27.6 | -25.35 |
| | | | | 534 | -6.3 | -25.2 | -10.6 | -1.6 | -30.0 | -24.16 |
| | | | | 444 | -4.1 | -17.3 | -11.2 | 2.3 | -23.7 | -29.78 |
| | | | | 443 | -5.0 | -16.6 | -11.1 | 1.7 | -23.4 | -31.25 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.4 | -11.2 | | | | |
| | | | | 533 | 0.7 | -9.8 | | | | |
| | | | | 534 | 0.7 | -12.5 | | | | |
| | | | | 444 | -1.5 | -12.5 | | | | |
| | | | | 443 | -1.5 | -9.8 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 686 | 1 | 1 | VERIFI-1 | Cent | -78.7 | -619.0 | 9.9 | -78.5 | -619.2 | 1.05 |
| | | | | 534 | -81.7 | -617.5 | 13.3 | -81.3 | -617.9 | 1.42 |
| | | | | 535 | -81.7 | -620.4 | 22.3 | -80.7 | -621.3 | 2.36 |
| | | | | 445 | -75.8 | -620.4 | 6.6 | -75.7 | -620.4 | 0.69 |
| | | | | 444 | -75.8 | -617.5 | -2.4 | -75.8 | -617.6 | -0.26 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 14.0 | 226.8 | -114.3 | 276.5 | -35.8 | -66.48 |
| | | | | 534 | 45.1 | 289.4 | -105.7 | 328.8 | 5.7 | -69.57 |
| | | | | 535 | 12.5 | 249.2 | -111.8 | 293.6 | -32.0 | -68.32 |
| | | | | 445 | -11.6 | 170.1 | -122.2 | 231.5 | -73.0 | -63.31 |
| | | | | 444 | 9.9 | 198.4 | -116.1 | 253.7 | -45.5 | -64.53 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 29.2 | 131.9 | | | | |
| | | | | 534 | 35.6 | 140.0 | | | | |
| | | | | 535 | 35.6 | 123.8 | | | | |
| | | | | 445 | 22.8 | 123.8 | | | | |
| | | | | 444 | 22.8 | 140.0 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -6.2 | -537.3 | 104.2 | 13.5 | -557.1 | 10.72 |
| | | | | 534 | -17.2 | -546.0 | 96.1 | -0.3 | -563.0 | 9.98 |
| | | | | 535 | -17.2 | -529.1 | 94.7 | -0.3 | -546.1 | 10.15 |
| | | | | 445 | 5.2 | -529.1 | 112.4 | 27.9 | -551.8 | 11.41 |
| | | | | 444 | 5.2 | -546.0 | 113.8 | 27.7 | -568.6 | 11.22 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -3.0 | -21.5 | -10.7 | 1.9 | -26.5 | -24.63 | |
| | | | | 534 | -4.4 | -24.8 | -10.6 | 0.0 | -29.3 | -22.99 | |
| | | | | 535 | -4.1 | -27.2 | -10.2 | -0.2 | -31.1 | -20.82 | |
| | | | | 445 | -0.5 | -17.1 | -10.8 | 4.8 | -22.4 | -26.24 | |
| | | | | 444 | -3.1 | -17.1 | -11.1 | 3.0 | -23.2 | -28.91 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -2.5 | -14.1 | | | | | |
| | | | | 534 | -1.1 | -12.5 | | | | | |
| | | | | 535 | -1.1 | -15.7 | | | | | |
| | | | | 445 | -3.8 | -15.7 | | | | | |
| | | | | 444 | -3.8 | -12.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 687 | 1 | 1 | VERIFI-1 | Cent | -71.4 | -619.2 | 16.1 | -70.9 | -619.6 | 1.68 | |
| | | | | 535 | -75.5 | -618.9 | 17.7 | -74.9 | -619.4 | 1.86 | |
| | | | | 536 | -75.5 | -619.3 | 30.1 | -73.9 | -621.0 | 3.16 | |
| | | | | 446 | -67.4 | -619.3 | 14.5 | -67.0 | -619.7 | 1.50 | |
| | | | | 445 | -67.4 | -618.9 | 2.0 | -67.3 | -618.9 | 0.21 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 16.6 | 196.8 | -125.3 | 261.1 | -47.7 | -62.86 | |
| | | | | 535 | 45.0 | 255.7 | -116.8 | 307.6 | -6.9 | -66.03 | |
| | | | | 536 | 12.6 | 211.3 | -121.5 | 268.9 | -45.0 | -64.64 | |
| | | | | 446 | -5.0 | 145.2 | -133.1 | 222.9 | -82.8 | -59.72 | |
| | | | | 445 | 13.6 | 175.1 | -128.4 | 246.0 | -57.3 | -61.09 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 26.2 | 114.1 | | | | | |
| | | | | 535 | 34.1 | 123.8 | | | | | |
| | | | | 536 | 34.1 | 104.4 | | | | | |
| | | | | 446 | 18.3 | 104.4 | | | | | |
| | | | | 445 | 18.3 | 123.8 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | 2.9 | -514.9 | 124.9 | 31.4 | -543.4 | 12.88 |
| | | | | | 535 | -10.3 | -527.4 | 114.5 | 13.9 | -551.6 | 11.95 |
| | | | | | 536 | -10.3 | -502.9 | 112.4 | 14.1 | -527.3 | 12.27 |
| | | | | | 446 | 16.4 | -502.9 | 135.3 | 49.5 | -536.0 | 13.76 |
| | | | | | 445 | 16.4 | -527.4 | 137.4 | 49.1 | -560.1 | 13.41 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 0.7 | -22.1 | -9.6 | 4.2 | -25.6 | -20.03 | |
| | | | | 535 | -2.5 | -26.8 | -9.7 | 0.9 | -30.2 | -19.31 | |
| | | | | 536 | -0.3 | -28.7 | -8.8 | 2.2 | -31.2 | -15.96 | |
| | | | | 446 | 5.1 | -16.1 | -9.3 | 8.6 | -19.6 | -20.60 | |
| | | | | 445 | 0.3 | -16.9 | -10.2 | 5.0 | -21.6 | -24.90 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -5.2 | -17.4 | | | | | |
| | | | | 535 | -3.7 | -15.7 | | | | | |
| | | | | 536 | -3.7 | -19.2 | | | | | |
| | | | | 446 | -6.8 | -19.2 | | | | | |
| | | | | 445 | -6.8 | -15.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 688 | 1 | 1 | VERIFI-1 | Cent | -61.7 | -615.9 | 22.3 | -60.9 | -616.8 | 2.30 | |
| | | | | 536 | -67.2 | -617.4 | 21.4 | -66.4 | -618.2 | 2.22 | |
| | | | | 537 | -67.2 | -614.4 | 38.3 | -64.6 | -617.0 | 3.98 | |
| | | | | 447 | -56.4 | -614.4 | 23.2 | -55.4 | -615.3 | 2.38 | |
| | | | | 446 | -56.4 | -617.4 | 6.3 | -56.3 | -617.4 | 0.65 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 24.1 | 164.9 | -132.9 | 244.9 | -55.8 | -58.95 | |
| | | | | 536 | 48.2 | 218.4 | -124.9 | 284.4 | -17.8 | -62.14 | |
| | | | | 537 | 17.1 | 170.5 | -127.3 | 242.4 | -54.9 | -60.53 | |
| | | | | 447 | 8.4 | 120.0 | -139.9 | 214.9 | -86.4 | -55.87 | |
| | | | | 446 | 22.9 | 150.7 | -137.5 | 238.4 | -64.8 | -57.47 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 21.6 | 92.8 | | | | | |
| | | | | 536 | 31.1 | 104.4 | | | | | |
| | | | | 537 | 31.1 | 81.2 | | | | | |
| | | | | 447 | 12.0 | 81.2 | | | | | |
| | | | | 446 | 12.0 | 104.4 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | 10.0 | -485.2 | 148.6 | 51.2 | -526.4 | 15.49 |
| | | | | | 536 | -5.9 | -501.8 | 136.5 | 29.2 | -536.9 | 14.42 |
| | | | | | 537 | -5.9 | -468.7 | 133.1 | 29.7 | -504.3 | 14.95 |
| | | | | | 447 | 26.1 | -468.7 | 160.8 | 73.7 | -516.4 | 16.51 |
| | | | | | 446 | 26.1 | -501.8 | 164.2 | 72.9 | -548.7 | 15.94 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|----------|-------|--------|--------|-------|-------|--------|-------|
| | | | | | | | Cent | 6.5 | -22.1 | -7.0 | 8.2 | -23.7 | -13.13 | |
| | | | | | | | 536 | 1.0 | -28.4 | -7.6 | 2.9 | -30.3 | -13.70 | |
| | | | | | | | 537 | 5.6 | -29.7 | -5.9 | 6.6 | -30.7 | -9.27 | |
| | | | | | | | 447 | 13.5 | -14.2 | -6.3 | 14.9 | -15.6 | -12.21 | |
| | | | | | | | 446 | 5.9 | -15.9 | -8.0 | 8.5 | -18.5 | -18.14 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -8.8 | -21.2 | | | | | |
| | | | | | | | 536 | -7.0 | -19.2 | | | | | |
| | | | | | | | 537 | -7.0 | -23.1 | | | | | |
| | | | | | | | 447 | -10.5 | -23.1 | | | | | |
| | | | | | | | 446 | -10.5 | -19.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 689 | 1 | 1 | VERIFI-1 | Cent | -49.6 | -607.4 | 25.7 | -48.5 | -608.6 | 2.64 | | | | |
| | | | | 537 | -55.5 | -612.0 | 22.7 | -54.5 | -612.9 | 2.33 | | | | |
| | | | | 538 | -55.5 | -602.7 | 42.1 | -52.2 | -605.9 | 4.37 | | | | |
| | | | | 448 | -43.9 | -602.7 | 28.8 | -42.4 | -604.2 | 2.94 | | | | |
| | | | | 447 | -43.9 | -612.0 | 9.4 | -43.7 | -612.1 | 0.94 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 36.8 | 132.1 | -134.8 | 227.4 | -58.6 | -54.73 | |
| | | | | | | | 537 | 54.7 | 178.0 | -128.3 | 258.6 | -25.9 | -57.83 | |
| | | | | | | | 538 | 25.2 | 127.9 | -127.3 | 213.8 | -60.7 | -55.98 | |
| | | | | | | | 448 | 29.0 | 96.4 | -140.3 | 207.0 | -81.6 | -51.75 | |
| | | | | | | | 447 | 38.3 | 126.0 | -141.3 | 230.0 | -65.8 | -53.62 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 16.5 | 67.5 | | | | | |
| | | | | | | | 537 | 28.2 | 81.2 | | | | | |
| | | | | | | | 538 | 28.2 | 53.8 | | | | | |
| | | | | | | | 448 | 4.9 | 53.8 | | | | | |
| | | | | | | | 447 | 4.9 | 81.2 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | 13.7 | -448.5 | 175.7 | 72.9 | -507.7 | 18.62 |
| | | | | | | | | 537 | -5.9 | -468.6 | 163.5 | 46.1 | -520.5 | 17.62 |
| | | | | | | | | 538 | -5.9 | -428.1 | 157.8 | 46.6 | -480.5 | 18.39 |
| | | | | | | | | 448 | 33.1 | -428.1 | 187.9 | 100.0 | -494.9 | 19.59 |
| | | | | | | | | 447 | 33.1 | -468.6 | 193.6 | 99.1 | -534.6 | 18.83 |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 14.9 | -21.4 | -2.5 | 15.1 | -21.5 | -3.90 | |
| | | | | | | | 537 | 6.6 | -29.5 | -3.7 | 6.9 | -29.9 | -5.79 | |
| | | | | | | | 538 | 13.8 | -30.3 | -0.8 | 13.8 | -30.3 | -0.99 | |
| | | | | | | | 448 | 25.0 | -11.5 | -1.1 | 25.1 | -11.6 | -1.71 | |
| | | | | | | | 447 | 14.4 | -14.1 | -4.0 | 15.0 | -14.6 | -7.89 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -12.7 | -25.3 | | | | | |
| | | | | | | | 537 | -10.7 | -23.1 | | | | | |
| | | | | | | | 538 | -10.7 | -27.5 | | | | | |
| | | | | | | | 448 | -14.7 | -27.5 | | | | | |
| | | | | | | | 447 | -14.7 | -23.1 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 690 | 1 | 1 | VERIFI-1 | Cent | -36.3 | -589.7 | 20.1 | -35.6 | -590.4 | 2.07 | | | | |
| | | | | 538 | -40.2 | -600.3 | 17.8 | -39.6 | -600.9 | 1.81 | | | | |
| | | | | 539 | -40.2 | -578.6 | 32.4 | -38.2 | -580.6 | 3.43 | | | | |
| | | | | 449 | -32.6 | -578.6 | 22.4 | -31.7 | -579.5 | 2.34 | | | | |
| | | | | 448 | -32.6 | -600.3 | 7.7 | -32.5 | -600.4 | 0.78 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | 52.4 | 100.2 | -128.7 | 207.3 | -54.6 | -50.26 | |
| | | | | | | | 538 | 62.5 | 135.4 | -124.9 | 229.1 | -31.2 | -53.13 | |
| | | | | | | | 539 | 33.9 | 86.1 | -118.9 | 181.7 | -61.7 | -51.19 | |
| | | | | | | | 449 | 54.8 | 77.2 | -131.2 | 197.6 | -65.6 | -47.45 | |
| | | | | | | | 448 | 58.5 | 102.3 | -137.2 | 219.4 | -58.5 | -49.53 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 12.7 | 37.7 | | | | | |
| | | | | | | | 538 | 27.1 | 53.8 | | | | | |
| | | | | | | | 539 | 27.1 | 21.7 | | | | | |
| | | | | | | | 449 | -1.8 | 21.7 | | | | | |
| | | | | | | | 448 | -1.8 | 53.8 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | 13.6 | -407.3 | 206.1 | 97.7 | -491.4 | 22.20 |
| | | | | | | | | 538 | -10.9 | -428.3 | 196.2 | 66.9 | -506.1 | 21.62 |
| | | | | | | | | 539 | -10.9 | -385.9 | 187.0 | 66.4 | -463.2 | 22.46 |
| | | | | | | | | 449 | 37.8 | -385.9 | 215.9 | 128.4 | -476.6 | 22.77 |
| | | | | | | | | 448 | 37.8 | -428.3 | 225.1 | 128.7 | -519.3 | 22.01 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|------|----------|--------|-------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | 25.9 | -20.0 | 5.3 | 26.5 | -20.6 | 6.49 | |
| | | | | | | | | 538 | 14.0 | -30.2 | 3.1 | 14.3 | -30.4 | 3.97 | |
| | | | | | | | | 539 | 23.3 | -30.7 | 8.0 | 24.5 | -31.9 | 8.23 | |
| | | | | | | | | 449 | 39.8 | -7.7 | 7.7 | 41.0 | -8.9 | 9.00 | |
| | | | | | | | | 448 | 26.4 | -11.3 | 2.8 | 26.6 | -11.5 | 4.26 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -16.0 | -30.1 | | | | | |
| | | | | | | | | 538 | -13.5 | -27.5 | | | | | |
| | | | | | | | | 539 | -13.5 | -32.8 | | | | | |
| | | | | | | | | 449 | -18.4 | -32.8 | | | | | |
| | | | | | | | | 448 | -18.4 | -27.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 691 | 1 | 1 | VERIFI-1 | Cent | -25.1 | -553.0 | -1.9 | -25.1 | -553.0 | -0.20 | | | | | |
| | | | | 539 | -25.5 | -578.3 | -0.8 | -25.5 | -578.3 | -0.09 | | | | | |
| | | | | 204 | -25.5 | -525.7 | 1.7 | -25.4 | -525.7 | 0.20 | | | | | |
| | | | | 11 | -26.0 | -525.7 | -2.9 | -26.0 | -525.7 | -0.33 | | | | | |
| | | | | 449 | -26.0 | -578.3 | -5.5 | -26.0 | -578.4 | -0.57 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 67.7 | 72.5 | -112.5 | 182.6 | -42.4 | -45.61 | |
| | | | | | | | | 539 | 66.9 | 92.7 | -113.8 | 194.3 | -34.7 | -48.23 | |
| | | | | | | | | 204 | 38.1 | 49.3 | -99.5 | 143.3 | -55.9 | -46.61 | |
| | | | | | | | | 11 | 85.2 | 65.7 | -109.4 | 185.4 | -34.4 | -42.45 | |
| | | | | | | | | 449 | 80.7 | 82.4 | -123.8 | 205.3 | -42.2 | -45.20 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 8.9 | 5.0 | | | | | |
| | | | | | | | | 539 | 29.1 | 21.7 | | | | | |
| | | | | | | | | 204 | 29.1 | -11.6 | | | | | |
| | | | | | | | | 11 | -11.4 | -11.6 | | | | | |
| | | | | | | | | 449 | -11.4 | 21.7 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | 12.7 | -366.1 | 238.5 | 127.9 | -481.3 | 25.77 |
| | | | | | | | | | 539 | -18.4 | -386.5 | 233.5 | 94.8 | -499.7 | 25.87 |
| | | | | | | | | | 204 | -18.4 | -344.9 | 218.0 | 90.7 | -454.0 | 26.59 |
| | | | | | | | | | 11 | 43.3 | -344.9 | 243.6 | 160.6 | -462.3 | 25.73 |
| | | | | | | | | | 449 | 43.3 | -386.5 | 259.0 | 164.9 | -508.2 | 25.16 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 37.9 | -17.9 | 19.0 | 43.7 | -23.7 | 17.13 | |
| | | | | | | | | 539 | 21.7 | -31.0 | 15.0 | 25.7 | -35.0 | 14.85 | |
| | | | | | | | | 204 | 31.9 | -31.0 | 23.1 | 39.5 | -38.6 | 18.15 | |
| | | | | | | | | 11 | 55.9 | -2.2 | 23.2 | 64.0 | -10.3 | 19.27 | |
| | | | | | | | | 449 | 41.9 | -7.3 | 15.1 | 46.1 | -11.6 | 15.78 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -16.8 | -36.4 | | | | | |
| | | | | | | | | 539 | -14.7 | -32.8 | | | | | |
| | | | | | | | | 204 | -14.7 | -40.0 | | | | | |
| | | | | | | | | 11 | -18.9 | -40.0 | | | | | |
| | | | | | | | | 449 | -18.9 | -32.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 862 | 11 | 8 | VERIFI-1 | Cent | -11.9 | -151.7 | 11.7 | -10.9 | -152.7 | 4.77 | | | | | |
| | | | | 629 | -26.3 | -117.9 | -1.0 | -26.3 | -118.0 | -0.64 | | | | | |
| | | | | 630 | -26.3 | -180.7 | 23.0 | -23.0 | -184.1 | 8.31 | | | | | |
| | | | | 631 | 0.0 | -180.7 | 24.5 | 3.3 | -184.0 | 7.59 | | | | | |
| | | | | 632 | 0.0 | -117.9 | 0.4 | 0.0 | -117.9 | 0.21 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 1.7 | 12.1 | -1.2 | 12.3 | 1.6 | -83.67 | |
| | | | | | | | | 629 | 3.5 | 17.5 | -0.4 | 17.5 | 3.5 | -88.28 | |
| | | | | | | | | 630 | 2.7 | 13.6 | -1.1 | 13.7 | 2.6 | -84.17 | |
| | | | | | | | | 631 | 0.8 | 8.8 | -1.8 | 9.2 | 0.5 | -78.08 | |
| | | | | | | | | 632 | -0.1 | 8.7 | -1.1 | 8.8 | -0.2 | -83.11 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.6 | 10.4 | | | | | |
| | | | | | | | | 629 | 0.0 | 13.5 | | | | | |
| | | | | | | | | 630 | 0.0 | 7.2 | | | | | |
| | | | | | | | | 631 | -1.2 | 7.2 | | | | | |
| | | | | | | | | 632 | -1.2 | 13.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | 28.7 | 43.8 | 67.1 | 103.8 | -31.2 | 48.22 |
| | | | | | | | | | 629 | 24.6 | 173.9 | 69.0 | 200.9 | -2.4 | 68.64 |
| | | | | | | | | | 630 | 24.6 | -67.6 | 110.4 | 98.1 | -141.1 | 33.67 |
| | | | | | | | | | 631 | 22.6 | -67.6 | 65.2 | 56.8 | -101.8 | 27.66 |
| | | | | | | | | | 632 | 22.6 | 173.9 | 23.8 | 177.5 | 19.0 | 81.26 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|------|----------|--------|--------|--------|--------|--------|--------|-------|
| | | | | | | | | Cent | -62.2 | -407.3 | 50.8 | -54.9 | -414.6 | 8.20 | |
| | | | | | | | | 629 | -129.7 | -648.5 | 25.1 | -128.5 | -649.7 | 2.77 | |
| | | | | | | | | 630 | -95.4 | -477.2 | 44.6 | -90.3 | -482.3 | 6.58 | |
| | | | | | | | | 631 | -29.3 | -263.3 | 70.0 | -10.0 | -282.7 | 15.45 | |
| | | | | | | | | 632 | 5.6 | -240.1 | 50.5 | 15.6 | -250.1 | 11.18 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 20.8 | -484.9 | | | | | |
| | | | | | | | | 629 | 0.0 | -635.5 | | | | | |
| | | | | | | | | 630 | 0.0 | -334.3 | | | | | |
| | | | | | | | | 631 | 41.5 | -334.3 | | | | | |
| | | | | | | | | 632 | 41.5 | -635.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 899 | 11 | 8 | VERIFI-1 | Cent | -28.8 | -188.3 | 30.3 | -23.3 | -193.9 | 10.42 | | | | | |
| | | | | 630 | -37.2 | -179.3 | 23.0 | -33.6 | -182.9 | 8.99 | | | | | |
| | | | | 690 | -37.2 | -196.8 | 32.6 | -30.8 | -203.2 | 11.10 | | | | | |
| | | | | 691 | -20.7 | -196.8 | 37.6 | -13.0 | -204.5 | 11.57 | | | | | |
| | | | | 631 | -20.7 | -179.3 | 28.1 | -15.9 | -184.1 | 9.76 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 1.8 | 9.4 | -1.6 | 9.8 | 1.5 | -78.74 | |
| | | | | | | | | 630 | 2.7 | 13.6 | -0.9 | 13.6 | 2.6 | -85.05 | |
| | | | | | | | | 690 | 1.8 | 9.0 | -1.0 | 9.1 | 1.6 | -81.90 | |
| | | | | | | | | 691 | 0.1 | 6.0 | -2.3 | 6.8 | -0.7 | -71.46 | |
| | | | | | | | | 631 | 2.6 | 9.2 | -2.2 | 9.8 | 1.9 | -73.43 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 1.3 | 5.8 | | | | | |
| | | | | | | | | 630 | 0.0 | 7.2 | | | | | |
| | | | | | | | | 690 | 0.0 | 4.3 | | | | | |
| | | | | | | | | 691 | 2.6 | 4.3 | | | | | |
| | | | | | | | | 631 | 2.6 | 7.2 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -5.2 | -98.9 | 99.5 | 57.9 | -162.1 | 32.40 |
| | | | | | | | | | 630 | -17.6 | -55.7 | 110.4 | 75.3 | -148.7 | 40.11 |
| | | | | | | | | | 690 | -17.6 | -139.6 | 128.0 | 63.1 | -220.4 | 32.26 |
| | | | | | | | | | 691 | 5.8 | -139.6 | 88.7 | 47.8 | -181.6 | 25.33 |
| | | | | | | | | | 631 | 5.8 | -55.7 | 71.1 | 52.5 | -102.4 | 33.30 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -66.3 | -309.0 | 57.4 | -53.4 | -321.8 | 12.66 | |
| | | | | | | | | 630 | -95.4 | -477.2 | 38.3 | -91.6 | -481.0 | 5.68 | |
| | | | | | | | | 690 | -61.3 | -306.5 | 33.8 | -56.7 | -311.1 | 7.70 | |
| | | | | | | | | 691 | -19.0 | -176.8 | 76.3 | 11.9 | -207.7 | 22.03 | |
| | | | | | | | | 631 | -89.4 | -275.4 | 80.9 | -59.1 | -305.6 | 20.51 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -34.7 | -268.3 | | | | | |
| | | | | | | | | 630 | 0.0 | -334.3 | | | | | |
| | | | | | | | | 690 | 0.0 | -202.2 | | | | | |
| | | | | | | | | 691 | -69.4 | -202.2 | | | | | |
| | | | | | | | | 631 | -69.4 | -334.3 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 900 | 11 | 8 | VERIFI-1 | Cent | -41.1 | -201.7 | 36.1 | -33.4 | -209.5 | 12.10 | | | | | |
| | | | | 690 | -41.7 | -196.9 | 32.6 | -35.1 | -203.4 | 11.39 | | | | | |
| | | | | 692 | -41.7 | -208.1 | 30.0 | -36.4 | -213.4 | 9.92 | | | | | |
| | | | | 693 | -39.7 | -208.1 | 39.6 | -30.8 | -217.0 | 12.59 | | | | | |
| | | | | 691 | -39.7 | -196.9 | 42.2 | -29.1 | -207.5 | 14.11 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 0.8 | 5.6 | -1.8 | 6.2 | 0.2 | -71.86 | |
| | | | | | | | | 690 | 1.8 | 9.0 | -1.0 | 9.1 | 1.7 | -82.25 | |
| | | | | | | | | 692 | 0.8 | 4.0 | -1.3 | 4.5 | 0.3 | -70.57 | |
| | | | | | | | | 693 | -1.6 | 2.9 | -2.6 | 4.1 | -2.8 | -65.41 | |
| | | | | | | | | 691 | 2.2 | 6.5 | -2.3 | 7.5 | 1.2 | -66.47 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 2.1 | 2.7 | | | | | |
| | | | | | | | | 690 | 0.0 | 4.3 | | | | | |
| | | | | | | | | 692 | 0.0 | 1.1 | | | | | |
| | | | | | | | | 693 | 4.2 | 1.1 | | | | | |
| | | | | | | | | 691 | 4.2 | 4.3 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -26.9 | -171.1 | 113.3 | 35.2 | -233.2 | 28.77 |
| | | | | | | | | | 690 | -34.1 | -141.2 | 128.0 | 51.1 | -226.4 | 33.65 |
| | | | | | | | | | 692 | -34.1 | -200.8 | 135.5 | 41.7 | -276.5 | 29.21 |
| | | | | | | | | | 693 | -19.9 | -200.8 | 98.5 | 23.5 | -244.1 | 23.72 |
| | | | | | | | | | 691 | -19.9 | -141.2 | 91.0 | 28.8 | -189.9 | 28.15 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | | | | Cent | -46.1 | -194.4 | 45.5 | -33.2 | -207.2 | 15.77 | |
| | | | | | | | 690 | -61.3 | -306.5 | 32.9 | -57.0 | -310.9 | 7.51 | |
| | | | | | | | 692 | -34.9 | -174.6 | 25.6 | -30.4 | -179.2 | 10.07 | |
| | | | | | | | 693 | -6.9 | -107.2 | 58.8 | 20.3 | -134.3 | 24.78 | |
| | | | | | | | 691 | -81.2 | -189.2 | 66.1 | -49.8 | -220.6 | 25.38 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -39.7 | -152.6 | | | | | |
| | | | | | | | 690 | 0.0 | -202.2 | | | | | |
| | | | | | | | 692 | 0.0 | -103.0 | | | | | |
| | | | | | | | 693 | -79.4 | -103.0 | | | | | |
| | | | | | | | 691 | -79.4 | -202.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 901 | 11 | 8 | VERIFI-1 | Cent | -49.2 | -222.7 | 32.4 | -43.4 | -228.6 | 10.22 | | | | |
| | | | | 692 | -46.0 | -209.5 | 30.0 | -40.7 | -214.9 | 10.09 | | | | |
| | | | | 694 | -46.0 | -237.7 | 23.3 | -43.2 | -240.5 | 6.84 | | | | |
| | | | | 695 | -51.4 | -237.7 | 34.7 | -45.1 | -243.9 | 10.21 | | | | |
| | | | | 693 | -51.4 | -209.5 | 41.4 | -41.2 | -219.7 | 13.81 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -0.7 | 0.7 | -2.7 | 2.8 | -2.8 | -52.39 | |
| | | | | | | | 692 | 0.8 | 4.0 | -1.3 | 4.5 | 0.3 | -70.10 | |
| | | | | | | | 694 | -0.7 | -3.7 | -2.2 | 0.4 | -4.9 | -27.86 | |
| | | | | | | | 695 | -3.6 | -0.8 | -4.0 | 2.1 | -6.5 | -54.59 | |
| | | | | | | | 693 | 0.8 | 3.4 | -3.2 | 5.5 | -1.4 | -56.07 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | 2.4 | -2.4 | | | | | |
| | | | | | | | 692 | 0.0 | 1.1 | | | | | |
| | | | | | | | 694 | 0.0 | -5.9 | | | | | |
| | | | | | | | 695 | 4.9 | -5.9 | | | | | |
| | | | | | | | 693 | 4.9 | 1.1 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -42.8 | -245.4 | 116.0 | 9.9 | -298.1 | 24.44 |
| | | | | | | | | 692 | -48.7 | -204.4 | 135.5 | 29.8 | -282.8 | 30.06 |
| | | | | | | | | 694 | -48.7 | -285.9 | 142.4 | 18.1 | -352.6 | 25.11 |
| | | | | | | | | 695 | -37.2 | -285.9 | 96.5 | -4.2 | -318.9 | 18.91 |
| | | | | | | | | 693 | -37.2 | -204.4 | 89.6 | 1.7 | -243.3 | 23.49 |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -29.9 | -104.9 | 34.2 | -16.6 | -118.2 | 21.19 | |
| | | | | | | | 692 | -34.9 | -174.6 | 26.0 | -30.2 | -179.3 | 10.21 | |
| | | | | | | | 694 | -14.9 | -74.4 | 17.0 | -10.4 | -78.9 | 14.83 | |
| | | | | | | | 695 | -9.9 | -52.9 | 42.8 | 16.5 | -79.3 | 31.69 | |
| | | | | | | | 693 | -59.9 | -117.8 | 51.9 | -29.4 | -148.2 | 30.41 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -25.3 | -68.6 | | | | | |
| | | | | | | | 692 | 0.0 | -103.0 | | | | | |
| | | | | | | | 694 | 0.0 | -34.2 | | | | | |
| | | | | | | | 695 | -50.6 | -34.2 | | | | | |
| | | | | | | | 693 | -50.6 | -103.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 902 | 11 | 8 | VERIFI-1 | Cent | -62.9 | -289.2 | 17.3 | -61.6 | -290.5 | 4.34 | | | | |
| | | | | 694 | -66.4 | -230.8 | 23.3 | -63.1 | -234.0 | 7.92 | | | | |
| | | | | 696 | -66.4 | -357.6 | 6.7 | -66.2 | -357.8 | 1.31 | | | | |
| | | | | 697 | -53.9 | -357.6 | 11.2 | -53.5 | -358.0 | 2.11 | | | | |
| | | | | 695 | -53.9 | -230.8 | 27.8 | -49.6 | -235.0 | 8.73 | | | | |
| | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | Cent | -1.3 | -4.4 | -4.2 | 1.7 | -7.3 | -35.07 | |
| | | | | | | | 694 | -0.7 | -3.7 | -2.9 | 1.0 | -5.5 | -31.34 | |
| | | | | | | | 696 | -3.7 | -18.3 | -3.3 | -2.9 | -19.1 | -12.22 | |
| | | | | | | | 697 | 1.7 | 5.2 | -4.9 | 8.6 | -1.7 | -54.83 | |
| | | | | | | | 695 | -2.5 | -0.6 | -4.5 | 3.0 | -6.1 | -51.17 | |
| | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | Cent | -2.1 | -21.7 | | | | | |
| | | | | | | | 694 | 0.0 | -5.9 | | | | | |
| | | | | | | | 696 | 0.0 | -37.5 | | | | | |
| | | | | | | | 697 | -4.2 | -37.5 | | | | | |
| | | | | | | | 695 | -4.2 | -5.9 | | | | | |
| | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | VER.TR-1 | Cent | -62.3 | -397.2 | 104.5 | -32.4 | -427.1 | 15.99 |
| | | | | | | | | 694 | -88.3 | -277.1 | 142.4 | -11.8 | -353.6 | 28.23 |
| | | | | | | | | 696 | -88.3 | -527.7 | 147.9 | -43.1 | -572.8 | 16.98 |
| | | | | | | | | 697 | -30.7 | -527.7 | 66.6 | -21.9 | -536.4 | 7.50 |
| | | | | | | | | 695 | -30.7 | -277.1 | 61.1 | -16.3 | -291.4 | 13.20 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|------|--------|------|----------|--------|--------|-------|-------|--------|--------|-------|
| | | | | | | | | Cent | -21.0 | -46.5 | 17.0 | -12.5 | -55.0 | 26.62 | |
| | | | | | | | | 694 | -14.9 | -74.4 | 16.8 | -10.5 | -78.8 | 14.70 | |
| | | | | | | | | 696 | -5.2 | -25.9 | 4.9 | -4.1 | -27.0 | 12.60 | |
| | | | | | | | | 697 | -15.9 | -25.0 | 17.8 | -2.1 | -38.9 | 37.88 | |
| | | | | | | | | 695 | -48.1 | -60.5 | 29.7 | -23.9 | -84.7 | 39.10 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -17.2 | -19.7 | | | | | |
| | | | | | | | | 694 | 0.0 | -34.2 | | | | | |
| | | | | | | | | 696 | 0.0 | -5.2 | | | | | |
| | | | | | | | | 697 | -34.3 | -5.2 | | | | | |
| | | | | | | | | 695 | -34.3 | -34.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 915 | 11 | 8 | VERIFI-1 | Cent | -3.2 | -167.0 | 23.2 | 0.0 | -170.2 | 7.90 | | | | | |
| | | | | 632 | -4.4 | -144.2 | 8.7 | -3.9 | -144.7 | 3.54 | | | | | |
| | | | | 631 | -4.4 | -186.8 | 37.5 | 3.0 | -194.2 | 11.18 | | | | | |
| | | | | 722 | -3.7 | -186.8 | 37.6 | 3.7 | -194.2 | 11.18 | | | | | |
| | | | | 723 | -3.7 | -144.2 | 8.8 | -3.2 | -144.8 | 3.58 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 0.5 | 7.6 | -2.6 | 8.5 | -0.3 | -72.22 | |
| | | | | | | | | 632 | 0.7 | 12.3 | -2.5 | 12.8 | 0.1 | -78.43 | |
| | | | | | | | | 631 | 0.7 | 8.4 | -2.2 | 9.0 | 0.2 | -75.32 | |
| | | | | | | | | 722 | 0.6 | 6.0 | -2.5 | 7.0 | -0.4 | -68.61 | |
| | | | | | | | | 723 | -0.1 | 3.9 | -2.8 | 5.4 | -1.5 | -62.52 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.8 | 8.9 | | | | | |
| | | | | | | | | 632 | -1.2 | 13.8 | | | | | |
| | | | | | | | | 631 | -1.2 | 4.0 | | | | | |
| | | | | | | | | 722 | -0.4 | 4.0 | | | | | |
| | | | | | | | | 723 | -0.4 | 13.8 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -0.3 | -17.2 | 57.7 | 49.6 | -67.0 | 40.83 |
| | | | | | | | | 632 | -5.3 | 34.7 | 35.3 | 55.2 | -25.9 | 59.77 | |
| | | | | | | | | 631 | -5.3 | -69.0 | 125.4 | 92.2 | -166.5 | 37.88 | |
| | | | | | | | | 722 | 4.8 | -69.0 | 80.1 | 56.1 | -120.3 | 32.64 | |
| | | | | | | | | 723 | 4.8 | 34.7 | -10.0 | 37.7 | 1.7 | -73.09 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -17.5 | -195.9 | 99.1 | 26.6 | -240.0 | 24.00 | |
| | | | | | | | | 632 | -24.0 | -388.1 | 98.9 | 1.1 | -413.2 | 14.26 | |
| | | | | | | | | 631 | -23.7 | -235.1 | 81.9 | 4.3 | -263.1 | 18.88 | |
| | | | | | | | | 722 | -27.9 | -127.4 | 93.1 | 27.9 | -183.2 | 30.93 | |
| | | | | | | | | 723 | 5.5 | -33.2 | 110.1 | 97.9 | -125.6 | 40.02 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 30.7 | -381.3 | | | | | |
| | | | | | | | | 632 | 41.5 | -581.7 | | | | | |
| | | | | | | | | 631 | 41.5 | -180.8 | | | | | |
| | | | | | | | | 722 | 19.9 | -180.8 | | | | | |
| | | | | | | | | 723 | 19.9 | -581.7 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 916 | 11 | 8 | VERIFI-1 | Cent | -4.6 | -199.4 | 35.6 | 1.7 | -205.6 | 10.03 | | | | | |
| | | | | 723 | -8.0 | -195.9 | 6.7 | -7.7 | -196.2 | 2.04 | | | | | |
| | | | | 722 | -8.0 | -197.1 | 57.1 | 7.9 | -213.0 | 15.57 | | | | | |
| | | | | 724 | -4.3 | -197.1 | 64.4 | 15.3 | -216.6 | 16.88 | | | | | |
| | | | | 725 | -4.3 | -195.9 | 14.0 | -3.3 | -197.0 | 4.16 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 0.3 | 4.8 | -3.3 | 6.5 | -1.5 | -62.03 | |
| | | | | | | | | 723 | 1.1 | 9.5 | -3.1 | 10.5 | 0.0 | -71.72 | |
| | | | | | | | | 722 | 0.4 | 5.0 | -3.1 | 6.5 | -1.1 | -63.31 | |
| | | | | | | | | 724 | 0.5 | 4.1 | -3.2 | 6.0 | -1.4 | -59.55 | |
| | | | | | | | | 725 | -0.8 | 0.5 | -3.3 | 3.2 | -3.5 | -50.38 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.6 | 7.9 | | | | | |
| | | | | | | | | 723 | -0.4 | 14.4 | | | | | |
| | | | | | | | | 722 | -0.4 | 1.4 | | | | | |
| | | | | | | | | 724 | -0.8 | 1.4 | | | | | |
| | | | | | | | | 725 | -0.8 | 14.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -2.1 | -94.7 | 61.6 | 28.7 | -125.4 | 26.54 |
| | | | | | | | | 723 | -8.0 | -76.7 | 31.6 | 4.3 | -89.0 | 21.31 | |
| | | | | | | | | 722 | -8.0 | -109.4 | 129.3 | 80.2 | -197.6 | 34.29 | |
| | | | | | | | | 724 | 2.1 | -109.4 | 91.6 | 53.6 | -160.9 | 29.35 | |
| | | | | | | | | 725 | 2.1 | -76.7 | -6.1 | 2.5 | -77.1 | -4.38 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|-------|-----|-----|----------|------|--------|--------|-------|-------|--------|-------|
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 723 | | | | | | | | | | |
| 722 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 725 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 723 | | | | | | | | | | |
| 722 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 725 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 917 | 11 | 8 | VERIFI-1 | Cent | -80.8 | -231.7 | 76.9 | -48.5 | -264.0 | 22.77 |
| ----- | | | | | | | | | | |
| 725 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 634 | | | | | | | | | | |
| 633 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 725 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 634 | | | | | | | | | | |
| 633 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 725 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 634 | | | | | | | | | | |
| 633 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | -77.7 | -162.4 | 96.0 | -15.1 | -224.9 | 33.10 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 725 | -36.9 | -266.7 | 105.5 | 4.2 | -307.8 | 21.28 |
| ----- | | | | | | | | | | |
| | | | | 724 | -36.9 | -84.6 | 111.0 | 52.8 | -174.3 | 38.94 |
| ----- | | | | | | | | | | |
| | | | | 634 | -103.8 | -84.6 | 86.4 | -7.3 | -181.2 | 48.17 |
| ----- | | | | | | | | | | |
| | | | | 633 | -103.8 | -266.7 | 80.9 | -70.4 | -300.1 | 22.41 |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 725 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 634 | | | | | | | | | | |
| 633 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 725 | | | | | | | | | | |
| 724 | | | | | | | | | | |
| 634 | | | | | | | | | | |
| 633 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| 921 | 11 | 8 | VERIFI-1 | Cent | -22.5 | -186.3 | 45.5 | -10.7 | -198.1 | 14.53 |
| ----- | | | | | | | | | | |
| 631 | | | | | | | | | | |
| 691 | | | | | | | | | | |
| 728 | | | | | | | | | | |
| 722 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 631 | | | | | | | | | | |
| 691 | | | | | | | | | | |
| 728 | | | | | | | | | | |
| 722 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Vxx | Vyy | | | | |
| ----- | | | | | | | | | | |
| Cent | | | | | | | | | | |
| 631 | | | | | | | | | | |
| 691 | | | | | | | | | | |
| 728 | | | | | | | | | | |
| 722 | | | | | | | | | | |
| ----- | | | | | | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| ----- | | | | | | | | | | |
| | | | LC | Cent | 0.1 | -106.1 | 118.1 | 76.5 | -182.5 | 32.90 |
| ----- | | | | | | | | | | |
| | | | VER.TR-1 | 631 | 3.7 | -70.9 | 131.2 | 102.9 | -170.0 | 37.06 |
| ----- | | | | | | | | | | |
| | | | | 691 | 3.7 | -139.5 | 142.5 | 91.7 | -227.4 | 31.66 |
| ----- | | | | | | | | | | |
| | | | | 728 | -4.5 | -139.5 | 105.0 | 52.8 | -196.9 | 28.64 |
| ----- | | | | | | | | | | |
| | | | | 722 | -4.5 | -70.9 | 93.7 | 61.7 | -137.1 | 35.26 |
| ----- | | | | | | | | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | -45.5 | -157.1 | 103.5 | 16.3 | -218.9 | 30.85 | |
| | | | | 631 | -83.7 | -247.1 | 95.3 | -39.9 | -290.9 | 24.70 | |
| | | | | 691 | -17.8 | -170.9 | 90.0 | 23.8 | -212.5 | 24.82 | |
| | | | | 728 | -34.5 | -79.2 | 109.3 | 54.7 | -168.5 | 39.22 | |
| | | | | 722 | -46.1 | -131.0 | 114.5 | 33.6 | -210.7 | 34.83 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -35.5 | -169.6 | | | | | |
| | | | | 631 | -69.4 | -180.8 | | | | | |
| | | | | 691 | -69.4 | -158.3 | | | | | |
| | | | | 728 | -1.6 | -158.3 | | | | | |
| | | | | 722 | -1.6 | -180.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 922 | 11 | 8 | VERIFI-1 | Cent | -39.6 | -179.5 | 63.0 | -15.5 | -203.7 | 21.00 | |
| | | | | 722 | -23.8 | -193.6 | 69.6 | 1.2 | -218.5 | 19.68 | |
| | | | | 728 | -23.8 | -168.8 | 45.4 | -10.7 | -181.8 | 16.03 | |
| | | | | 729 | -53.7 | -168.8 | 56.3 | -30.7 | -191.7 | 22.19 | |
| | | | | 724 | -53.7 | -193.6 | 80.5 | -17.0 | -230.3 | 24.51 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 0.4 | 4.2 | -3.7 | 6.5 | -1.9 | -58.50 | |
| | | | | 722 | 1.0 | 5.1 | -3.6 | 7.2 | -1.1 | -59.63 | |
| | | | | 728 | 0.1 | 4.7 | -3.7 | 6.7 | -1.9 | -61.02 | |
| | | | | 729 | -0.3 | 2.9 | -3.9 | 5.5 | -2.9 | -56.38 | |
| | | | | 724 | 0.8 | 4.2 | -3.8 | 6.7 | -1.7 | -56.73 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 1.2 | 2.1 | | | | | |
| | | | | 722 | 1.1 | 1.4 | | | | | |
| | | | | 728 | 1.1 | 2.8 | | | | | |
| | | | | 729 | 1.3 | 2.8 | | | | | |
| | | | | 724 | 1.3 | 1.4 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -24.1 | -116.1 | 125.5 | 63.6 | -203.8 | 34.95 |
| | | | | | 722 | -10.7 | -106.3 | 143.0 | 92.2 | -209.3 | 35.75 |
| | | | | | 728 | -10.7 | -128.9 | 142.6 | 84.6 | -224.2 | 33.74 |
| | | | | | 729 | -35.9 | -128.9 | 108.1 | 35.3 | -200.0 | 33.36 |
| | | | | | 724 | -35.9 | -106.3 | 108.4 | 42.9 | -185.1 | 36.00 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | -38.7 | -54.7 | 125.5 | 79.0 | -172.5 | 43.18 | |
| | | | | 722 | -36.3 | -81.9 | 127.0 | 69.9 | -188.2 | 39.90 | |
| | | | | 728 | -33.9 | -76.2 | 118.4 | 65.2 | -175.3 | 39.94 | |
| | | | | 729 | -42.6 | -15.5 | 124.4 | 96.0 | -154.2 | 48.11 | |
| | | | | 724 | -42.1 | -45.2 | 133.0 | 89.3 | -176.7 | 44.67 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 3.6 | -83.6 | | | | | |
| | | | | 722 | -1.6 | -63.2 | | | | | |
| | | | | 728 | -1.6 | -104.0 | | | | | |
| | | | | 729 | 8.8 | -104.0 | | | | | |
| | | | | 724 | 8.8 | -63.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 923 | 11 | 8 | VERIFI-1 | Cent | -54.5 | -162.0 | 59.4 | -28.2 | -188.3 | 23.92 | |
| | | | | 724 | -45.9 | -168.0 | 65.6 | -17.3 | -196.6 | 23.54 | |
| | | | | 729 | -45.9 | -154.3 | 43.6 | -30.5 | -169.7 | 19.39 | |
| | | | | 698 | -64.1 | -154.3 | 53.1 | -39.6 | -178.9 | 24.81 | |
| | | | | 634 | -64.1 | -168.0 | 75.1 | -24.7 | -207.4 | 27.67 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 0.1 | 2.5 | -3.7 | 5.2 | -2.6 | -54.16 | |
| | | | | 724 | 0.5 | 2.5 | -3.9 | 5.5 | -2.5 | -52.18 | |
| | | | | 729 | -0.2 | 3.5 | -3.8 | 5.9 | -2.6 | -57.90 | |
| | | | | 698 | -0.7 | 1.9 | -3.7 | 4.5 | -3.3 | -54.86 | |
| | | | | 634 | 0.7 | 2.3 | -3.7 | 5.2 | -2.3 | -51.03 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 1.6 | 1.5 | | | | | |
| | | | | 724 | 1.3 | 0.4 | | | | | |
| | | | | 729 | 1.3 | 2.5 | | | | | |
| | | | | 698 | 1.9 | 2.5 | | | | | |
| | | | | 634 | 1.9 | 0.4 | | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | VER.TR-1 | Cent | -40.5 | -117.5 | 110.6 | 38.1 | -196.1 | 35.40 |
| | | | | | 724 | -33.1 | -108.6 | 127.8 | 62.4 | -204.2 | 36.77 |
| | | | | | 729 | -33.1 | -125.9 | 126.4 | 55.1 | -214.2 | 34.93 |
| | | | | | 698 | -48.1 | -125.9 | 93.3 | 14.1 | -188.1 | 33.68 |
| | | | | | 634 | -48.1 | -108.6 | 94.7 | 21.0 | -177.8 | 36.13 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|-------|-------|--------|--------|
| | | | | Cent | -42.4 | 8.2 | 123.0 | 108.4 | -142.7 | 50.82 |
| | | | | 724 | -27.9 | 25.9 | 130.9 | 132.6 | -134.6 | 50.81 |
| | | | | 729 | -43.2 | -18.4 | 123.0 | 92.8 | -154.4 | 47.88 |
| | | | | 698 | -47.8 | 15.4 | 116.7 | 104.8 | -137.1 | 52.58 |
| | | | | 634 | -50.8 | 10.0 | 124.6 | 107.9 | -148.6 | 51.86 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 3.1 | -19.6 | | | | |
| | | | | 724 | 8.8 | 18.8 | | | | |
| | | | | 729 | 8.8 | -58.0 | | | | |
| | | | | 698 | -2.6 | -58.0 | | | | |
| | | | | 634 | -2.6 | 18.8 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 924 | 11 | 8 | VERIFI-1 | Cent | -39.4 | -190.9 | 46.2 | -26.5 | -203.9 | 15.69 |
| | | | | 691 | -37.4 | -190.2 | 45.4 | -24.9 | -202.6 | 15.36 |
| | | | | 693 | -37.4 | -193.1 | 33.4 | -30.5 | -200.0 | 11.62 |
| | | | | 730 | -40.7 | -193.1 | 47.0 | -27.4 | -206.4 | 15.84 |
| | | | | 728 | -40.7 | -190.2 | 58.9 | -20.3 | -210.6 | 19.13 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 0.0 | 4.4 | -3.4 | 6.2 | -1.8 | -61.68 |
| | | | | 691 | 2.3 | 6.8 | -2.9 | 8.2 | 0.9 | -64.00 |
| | | | | 693 | -1.5 | 3.4 | -3.1 | 4.9 | -3.0 | -63.84 |
| | | | | 730 | -1.3 | 3.2 | -3.7 | 5.3 | -3.4 | -60.70 |
| | | | | 728 | 0.5 | 4.3 | -3.5 | 6.4 | -1.5 | -59.35 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 3.2 | 1.9 | | | | |
| | | | | 691 | 4.2 | 3.5 | | | | |
| | | | | 693 | 4.2 | 0.3 | | | | |
| | | | | 730 | 2.3 | 0.3 | | | | |
| | | | | 728 | 2.3 | 3.5 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -17.0 | -165.4 | 128.7 | 57.4 | -239.7 | 30.01 |
| | | | | 691 | -19.2 | -140.3 | 144.9 | 77.2 | -236.8 | 33.65 |
| | | | | 693 | -19.2 | -190.9 | 146.9 | 65.1 | -275.2 | 29.85 |
| | | | | 730 | -14.5 | -190.9 | 112.5 | 40.3 | -245.7 | 25.95 |
| | | | | 728 | -14.5 | -140.3 | 110.5 | 49.7 | -204.6 | 30.17 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -42.6 | -104.8 | 87.8 | 19.4 | -166.8 | 35.26 |
| | | | | 691 | -80.0 | -183.3 | 81.7 | -35.0 | -228.3 | 28.84 |
| | | | | 693 | -4.4 | -94.9 | 74.3 | 37.3 | -136.6 | 29.32 |
| | | | | 730 | -34.7 | -58.2 | 90.4 | 44.7 | -137.6 | 41.30 |
| | | | | 728 | -51.5 | -82.6 | 97.8 | 32.0 | -166.1 | 40.48 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -47.8 | -114.8 | | | | |
| | | | | 691 | -79.4 | -158.3 | | | | |
| | | | | 693 | -79.4 | -71.3 | | | | |
| | | | | 730 | -16.2 | -71.3 | | | | |
| | | | | 728 | -16.2 | -158.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 925 | 11 | 8 | VERIFI-1 | Cent | -40.9 | -173.2 | 50.2 | -24.0 | -190.1 | 18.60 |
| | | | | 728 | -36.7 | -172.0 | 54.4 | -17.5 | -191.2 | 19.41 |
| | | | | 730 | -36.7 | -175.2 | 35.2 | -28.3 | -183.6 | 13.47 |
| | | | | 731 | -44.6 | -175.2 | 46.0 | -30.0 | -189.7 | 17.58 |
| | | | | 729 | -44.6 | -172.0 | 65.3 | -17.1 | -199.5 | 22.85 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -0.7 | 3.6 | -4.0 | 6.0 | -3.0 | -59.04 |
| | | | | 728 | 0.6 | 4.8 | -3.8 | 7.0 | -1.6 | -59.43 |
| | | | | 730 | -1.2 | 3.6 | -4.0 | 5.9 | -3.5 | -60.54 |
| | | | | 731 | -1.6 | 3.0 | -4.1 | 5.4 | -4.0 | -59.67 |
| | | | | 729 | -0.4 | 2.9 | -3.9 | 5.4 | -3.0 | -56.58 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 2.0 | 1.9 | | | | |
| | | | | 728 | 2.3 | 2.8 | | | | |
| | | | | 730 | 2.3 | 0.9 | | | | |
| | | | | 731 | 1.7 | 0.9 | | | | |
| | | | | 729 | 1.7 | 2.8 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -13.3 | -153.2 | 128.9 | 63.4 | -229.9 | 30.76 |
| | | | | 728 | -12.3 | -129.5 | 148.0 | 88.3 | -230.1 | 34.20 |
| | | | | 730 | -12.3 | -177.6 | 144.2 | 71.2 | -261.2 | 30.08 |
| | | | | 731 | -13.9 | -177.6 | 109.7 | 41.1 | -232.7 | 26.64 |
| | | | | 729 | -13.9 | -129.5 | 113.6 | 55.8 | -199.2 | 31.52 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|-------|--------|-------|-------|--------|--------|
| | | | | Cent | -44.6 | -40.5 | 107.9 | 65.4 | -150.5 | 45.55 |
| | | | | 728 | -50.9 | -79.6 | 108.4 | 44.1 | -174.6 | 41.23 |
| | | | | 730 | -31.6 | -42.6 | 100.8 | 63.9 | -138.1 | 43.44 |
| | | | | 731 | -54.4 | -24.5 | 105.4 | 67.0 | -145.9 | 49.04 |
| | | | | 729 | -41.6 | -15.3 | 113.0 | 85.3 | -142.2 | 48.31 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -0.6 | -70.9 | | | | |
| | | | | 728 | -16.2 | -104.0 | | | | |
| | | | | 730 | -16.2 | -37.8 | | | | |
| | | | | 731 | 15.1 | -37.8 | | | | |
| | | | | 729 | 15.1 | -104.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 926 | 11 | 8 | VERIFI-1 | Cent | -42.5 | -149.2 | 43.0 | -27.3 | -164.4 | 19.42 |
| | | | | 729 | -40.0 | -148.7 | 52.5 | -18.8 | -170.0 | 22.01 |
| | | | | 731 | -40.0 | -150.8 | 30.8 | -32.0 | -158.8 | 14.56 |
| | | | | 700 | -44.4 | -150.8 | 33.4 | -34.7 | -160.4 | 16.07 |
| | | | | 698 | -44.4 | -148.7 | 55.1 | -20.6 | -172.5 | 23.29 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -1.3 | 2.6 | -3.9 | 5.0 | -3.7 | -58.34 |
| | | | | 729 | -0.3 | 3.5 | -3.8 | 5.9 | -2.7 | -58.10 |
| | | | | 731 | -1.6 | 3.2 | -4.0 | 5.5 | -3.9 | -60.20 |
| | | | | 700 | -2.2 | 2.1 | -4.0 | 4.5 | -4.5 | -59.19 |
| | | | | 698 | -1.1 | 1.8 | -3.7 | 4.4 | -3.7 | -55.61 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 1.6 | 2.0 | | | | |
| | | | | 729 | 1.7 | 2.5 | | | | |
| | | | | 731 | 1.7 | 1.5 | | | | |
| | | | | 700 | 1.6 | 1.5 | | | | |
| | | | | 698 | 1.6 | 2.5 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -11.0 | -136.0 | 109.3 | 52.4 | -199.4 | 30.12 |
| | | | | 729 | -11.0 | -117.9 | 132.0 | 77.9 | -206.9 | 33.97 |
| | | | | 731 | -11.0 | -155.4 | 124.4 | 60.7 | -227.0 | 29.94 |
| | | | | 700 | -10.2 | -155.4 | 86.6 | 30.2 | -195.8 | 25.02 |
| | | | | 698 | -10.2 | -117.9 | 94.1 | 44.3 | -172.5 | 30.11 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -50.5 | -4.5 | 109.9 | 84.8 | -139.7 | 50.91 |
| | | | | 729 | -42.1 | -18.2 | 112.5 | 83.0 | -143.3 | 48.04 |
| | | | | 731 | -51.3 | -8.7 | 106.9 | 79.0 | -138.9 | 50.63 |
| | | | | 700 | -72.8 | -8.9 | 105.5 | 69.3 | -151.1 | 53.43 |
| | | | | 698 | -35.7 | 17.9 | 111.1 | 105.4 | -123.2 | 51.77 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 29.3 | -32.4 | | | | |
| | | | | 729 | 15.1 | -58.0 | | | | |
| | | | | 731 | 15.1 | -6.9 | | | | |
| | | | | 700 | 43.6 | -6.9 | | | | |
| | | | | 698 | 43.6 | -58.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 927 | 11 | 8 | VERIFI-1 | Cent | -45.9 | -205.2 | 37.1 | -37.6 | -213.4 | 12.50 |
| | | | | 693 | -49.1 | -192.3 | 35.2 | -40.9 | -200.5 | 13.09 |
| | | | | 695 | -49.1 | -221.3 | 24.1 | -45.8 | -224.6 | 7.80 |
| | | | | 732 | -40.9 | -221.3 | 39.1 | -32.8 | -229.4 | 11.71 |
| | | | | 730 | -40.9 | -192.3 | 50.2 | -25.8 | -207.4 | 16.78 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -1.4 | 2.8 | -4.2 | 5.3 | -4.0 | -58.23 |
| | | | | 693 | 0.9 | 3.9 | -3.8 | 6.4 | -1.7 | -55.84 |
| | | | | 695 | -3.2 | 1.1 | -4.0 | 3.5 | -5.6 | -59.12 |
| | | | | 732 | -2.0 | 2.8 | -4.4 | 5.4 | -4.6 | -59.39 |
| | | | | 730 | -1.2 | 3.3 | -4.1 | 5.7 | -3.6 | -59.06 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 3.0 | -1.1 | | | | |
| | | | | 693 | 4.9 | 0.3 | | | | |
| | | | | 695 | 4.9 | -2.5 | | | | |
| | | | | 732 | 1.1 | -2.5 | | | | |
| | | | | 730 | 1.1 | 0.3 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -24.1 | -229.4 | 123.8 | 34.1 | -287.5 | 25.17 |
| | | | | 693 | -37.3 | -188.9 | 137.9 | 44.3 | -270.5 | 30.61 |
| | | | | 695 | -37.3 | -273.2 | 146.8 | 33.0 | -343.6 | 25.61 |
| | | | | 732 | -9.0 | -273.2 | 109.6 | 30.6 | -312.8 | 19.84 |
| | | | | 730 | -9.0 | -188.9 | 100.7 | 36.1 | -234.0 | 24.12 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
|--|--|--|--|--|--|--|--|----------|-------|--------|----------|-------|--------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | -40.9 | -60.2 | 69.0 | 19.1 | -120.2 | 41.01 | | | | |
| | | | | | | | | 693 | -57.4 | -105.5 | 66.2 | -11.1 | -151.9 | 35.01 | | | | |
| | | | | | | | | 695 | -6.6 | -36.4 | 55.0 | 35.5 | -78.5 | 37.44 | | | | |
| | | | | | | | | 732 | -48.5 | -37.6 | 69.1 | 26.3 | -112.4 | 47.27 | | | | |
| | | | | | | | | 730 | -51.1 | -61.5 | 80.3 | 24.2 | -136.7 | 43.15 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | -23.8 | -41.6 | | | | | | | | |
| | | | | | | | | 693 | -50.6 | -71.3 | | | | | | | | |
| | | | | | | | | 695 | -50.6 | -12.0 | | | | | | | | |
| | | | | | | | | 732 | 3.1 | -12.0 | | | | | | | | |
| | | | | | | | | 730 | 3.1 | -71.3 | | | | | | | | |
| | | | | | | | | ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | 928 | 11 | 8 | VERIFI-1 | Cent | -35.2 | -180.1 | 31.3 | -28.7 | -186.5 | 11.68 |
| | | | | | | | | | | | | 730 | -34.4 | -173.4 | 38.4 | -24.5 | -183.3 | 14.46 |
| | | | | | | | | | | | | 732 | -34.4 | -188.1 | 12.4 | -33.4 | -189.1 | 4.57 |
| | | | | | | | | | | | | 733 | -35.2 | -188.1 | 24.2 | -31.5 | -191.9 | 8.78 |
| | | | | | | | | | | | | 731 | -35.2 | -173.4 | 50.2 | -18.9 | -189.7 | 18.01 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | -1.7 | 3.1 | -4.4 | 5.8 | -4.3 | -59.35 | | | | |
| | | | | | | | | 730 | -1.1 | 3.6 | -4.3 | 6.2 | -3.6 | -59.31 | | | | |
| | | | | | | | | 732 | -1.9 | 3.5 | -4.5 | 6.0 | -4.4 | -60.57 | | | | |
| | | | | | | | | 733 | -2.3 | 2.4 | -4.5 | 5.1 | -5.1 | -58.58 | | | | |
| | | | | | | | | 731 | -1.6 | 3.0 | -4.4 | 5.6 | -4.3 | -58.85 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 0.9 | 1.3 | | | | | | | | |
| | | | | | | | | 730 | 1.1 | 0.9 | | | | | | | | |
| | | | | | | | | 732 | 1.1 | 1.8 | | | | | | | | |
| | | | | | | | | 733 | 0.8 | 1.8 | | | | | | | | |
| | | | | | | | | 731 | 0.8 | 0.9 | | | | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | | | | | VER.TR-1 | Cent | 2.9 | -198.9 | 111.0 | 51.9 | -248.0 | 23.86 | | | |
| | | | | | | | | | 730 | -1.6 | -173.0 | 132.4 | 70.3 | -245.0 | 28.54 | | | |
| | | | | | | | | | 732 | -1.6 | -226.8 | 119.7 | 50.1 | -278.5 | 23.39 | | | |
| | | | | | | | | | 733 | 8.4 | -226.8 | 89.6 | 38.6 | -257.0 | 18.65 | | | |
| | | | | | | | | | 731 | 8.4 | -173.0 | 102.2 | 54.3 | -218.9 | 24.20 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | -59.6 | -29.3 | 88.1 | 45.0 | -133.8 | 49.88 | | | | |
| | | | | | | | | 730 | -47.9 | -45.9 | 91.5 | 44.6 | -138.4 | 45.33 | | | | |
| | | | | | | | | 732 | -43.9 | -14.5 | 77.5 | 49.7 | -108.1 | 50.38 | | | | |
| | | | | | | | | 733 | -89.7 | -31.8 | 82.7 | 26.8 | -148.4 | 54.65 | | | | |
| | | | | | | | | 731 | -56.6 | -24.9 | 96.7 | 57.2 | -138.7 | 49.66 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 23.3 | -12.1 | | | | | | | | |
| | | | | | | | | 730 | 3.1 | -37.8 | | | | | | | | |
| | | | | | | | | 732 | 3.1 | 13.6 | | | | | | | | |
| | | | | | | | | 733 | 43.5 | 13.6 | | | | | | | | |
| | | | | | | | | 731 | 43.5 | -37.8 | | | | | | | | |
| | | | | | | | | ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | 929 | 11 | 8 | VERIFI-1 | Cent | -29.5 | -151.4 | 22.3 | -25.5 | -155.4 | 10.03 |
| | | | | | | | | | | | | 731 | -28.9 | -148.5 | 35.1 | -19.4 | -158.0 | 15.20 |
| | | | | | | | | | | | | 733 | -28.9 | -155.1 | 4.3 | -28.8 | -155.2 | 1.95 |
| | | | | | | | | | | | | 702 | -29.6 | -155.1 | 9.4 | -28.9 | -155.8 | 4.27 |
| | | | | | | | | | | | | 700 | -29.6 | -148.5 | 40.2 | -17.3 | -160.8 | 17.04 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | | | | |
| | | | | | | | | Cent | -2.3 | 2.5 | -4.5 | 5.2 | -5.0 | -59.12 | | | | |
| | | | | | | | | 731 | -1.6 | 3.1 | -4.3 | 5.7 | -4.2 | -59.36 | | | | |
| | | | | | | | | 733 | -2.1 | 3.5 | -4.6 | 6.1 | -4.7 | -60.46 | | | | |
| | | | | | | | | 702 | -3.3 | 1.3 | -4.7 | 4.2 | -6.2 | -57.94 | | | | |
| | | | | | | | | 700 | -2.3 | 2.1 | -4.4 | 4.8 | -5.0 | -58.43 | | | | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | | | | |
| | | | | | | | | Cent | 0.9 | 2.4 | | | | | | | | |
| | | | | | | | | 731 | 0.8 | 1.5 | | | | | | | | |
| | | | | | | | | 733 | 0.8 | 3.3 | | | | | | | | |
| | | | | | | | | 702 | 1.1 | 3.3 | | | | | | | | |
| | | | | | | | | 700 | 1.1 | 1.5 | | | | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | | | | | VER.TR-1 | Cent | 18.8 | -165.5 | 90.9 | 56.1 | -202.8 | 22.30 | | | |
| | | | | | | | | | 731 | 15.7 | -149.5 | 116.9 | 76.2 | -210.1 | 27.37 | | | |
| | | | | | | | | | 733 | 15.7 | -182.8 | 95.4 | 54.1 | -221.2 | 21.93 | | | |
| | | | | | | | | | 702 | 22.5 | -182.8 | 64.9 | 41.3 | -201.6 | 16.15 | | | |
| | | | | | | | | | 700 | 22.5 | -149.5 | 86.4 | 58.4 | -185.5 | 22.57 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|------|--------|--------|-------|-------|--------|--------|
| | | | | Cent | -84.3 | -14.0 | 91.9 | 49.2 | -147.5 | 55.48 |
| | | | | 731 | -53.5 | -9.2 | 98.3 | 69.4 | -132.1 | 51.35 |
| | | | | 733 | -84.3 | -4.8 | 84.0 | 48.4 | -137.6 | 57.66 |
| | | | | 702 | -132.5 | -34.0 | 83.6 | 13.7 | -180.2 | 60.25 |
| | | | | 700 | -67.1 | -7.8 | 97.8 | 64.8 | -139.6 | 53.43 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 62.9 | 12.9 | | | | |
| | | | | 731 | 43.5 | -6.9 | | | | |
| | | | | 733 | 43.5 | 32.6 | | | | |
| | | | | 702 | 82.4 | 32.6 | | | | |
| | | | | 700 | 82.4 | -6.9 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 930 | 11 | 8 | VERIFI-1 | Cent | -35.4 | -234.5 | 5.9 | -35.3 | -234.6 | 1.68 |
| | | | | 695 | -34.6 | -222.7 | 17.2 | -33.0 | -224.2 | 5.18 |
| | | | | 697 | -34.6 | -246.5 | -29.9 | -30.4 | -250.6 | -7.89 |
| | | | | 734 | -36.2 | -246.5 | -5.5 | -36.0 | -246.6 | -1.50 |
| | | | | 732 | -36.2 | -222.7 | 41.7 | -27.3 | -231.5 | 12.04 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -0.7 | 2.2 | -3.8 | 4.8 | -3.3 | -55.05 |
| | | | | 695 | -2.1 | 1.3 | -3.6 | 3.6 | -4.4 | -57.75 |
| | | | | 697 | 0.6 | -0.3 | -3.8 | 4.0 | -3.7 | -41.73 |
| | | | | 734 | 0.7 | 4.7 | -4.0 | 7.1 | -1.8 | -58.39 |
| | | | | 732 | -1.8 | 2.9 | -3.8 | 5.0 | -3.9 | -60.79 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -3.5 | -5.4 | | | | |
| | | | | 695 | -4.2 | -2.5 | | | | |
| | | | | 697 | -4.2 | -8.3 | | | | |
| | | | | 734 | -2.8 | -8.3 | | | | |
| | | | | 732 | -2.8 | -2.5 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | -2.4 | -313.1 | 75.0 | 14.7 | -330.3 | 12.89 |
| | | | | 695 | -6.0 | -271.5 | 111.4 | 34.5 | -312.1 | 20.00 |
| | | | | 697 | -6.0 | -355.9 | 65.4 | 5.8 | -367.7 | 10.24 |
| | | | | 734 | 1.8 | -355.9 | 38.6 | 5.9 | -360.0 | 6.09 |
| | | | | 732 | 1.8 | -271.5 | 84.7 | 25.9 | -295.6 | 15.89 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -48.6 | -29.7 | 38.3 | 0.3 | -78.6 | 51.97 |
| | | | | 695 | -44.8 | -44.0 | 42.5 | -1.9 | -86.9 | 45.27 |
| | | | | 697 | -9.1 | 9.2 | 23.0 | 24.8 | -24.7 | 55.85 |
| | | | | 734 | -79.5 | -43.8 | 30.9 | -26.0 | -97.3 | 60.02 |
| | | | | 732 | -61.2 | -40.1 | 50.4 | 0.9 | -102.1 | 50.91 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -5.1 | 26.4 | | | | |
| | | | | 695 | -34.3 | -12.0 | | | | |
| | | | | 697 | -34.3 | 64.9 | | | | |
| | | | | 734 | 24.1 | 64.9 | | | | |
| | | | | 732 | 24.1 | -12.0 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 931 | 11 | 8 | VERIFI-1 | Cent | -25.7 | -191.6 | 1.2 | -25.7 | -191.7 | 0.40 |
| | | | | 732 | -26.9 | -188.6 | 15.0 | -25.5 | -190.0 | 5.24 |
| | | | | 734 | -26.9 | -193.9 | -29.2 | -21.9 | -198.9 | -9.64 |
| | | | | 735 | -24.9 | -193.9 | -12.7 | -24.0 | -194.9 | -4.26 |
| | | | | 733 | -24.9 | -188.6 | 31.5 | -19.1 | -194.5 | 10.54 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | -1.2 | 2.7 | -4.4 | 5.6 | -4.0 | -56.88 |
| | | | | 732 | -1.6 | 3.6 | -4.0 | 5.8 | -3.8 | -61.47 |
| | | | | 734 | -0.1 | 0.9 | -4.4 | 4.9 | -4.0 | -48.19 |
| | | | | 735 | -1.0 | 3.9 | -4.7 | 6.8 | -3.8 | -58.68 |
| | | | | 733 | -2.0 | 2.4 | -4.3 | 5.1 | -4.6 | -58.56 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -1.9 | -1.7 | | | | |
| | | | | 732 | -2.8 | 1.8 | | | | |
| | | | | 734 | -2.8 | -5.3 | | | | |
| | | | | 735 | -1.0 | -5.3 | | | | |
| | | | | 733 | -1.0 | 1.8 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | 21.7 | -241.8 | 61.5 | 35.3 | -255.5 | 12.51 |
| | | | | 732 | 17.4 | -225.8 | 94.8 | 50.0 | -258.4 | 18.97 |
| | | | | 734 | 17.4 | -257.4 | 47.4 | 25.4 | -265.3 | 9.51 |
| | | | | 735 | 25.7 | -257.4 | 28.2 | 28.4 | -260.1 | 5.63 |
| | | | | 733 | 25.7 | -225.8 | 75.6 | 46.6 | -246.8 | 15.51 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|---------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | -93.8 | -25.1 | 48.4 | -0.1 | -118.9 | 62.67 | |
| | | | | | | | | 732 | -56.6 | -17.0 | 59.3 | 25.8 | -99.3 | 54.22 | |
| | | | | | | | | 734 | -68.7 | 10.4 | 32.1 | 21.8 | -80.1 | 70.46 | |
| | | | | | | | | 735 | -158.3 | -61.8 | 34.4 | -50.7 | -169.3 | 72.24 | |
| | | | | | | | | 733 | -91.8 | -32.2 | 61.7 | 6.5 | -130.5 | 57.89 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 53.6 | 52.1 | | | | | |
| | | | | | | | | 732 | 24.1 | 13.6 | | | | | |
| | | | | | | | | 734 | 24.1 | 90.5 | | | | | |
| | | | | | | | | 735 | 83.0 | 90.5 | | | | | |
| | | | | | | | | 733 | 83.0 | 13.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 932 | 11 | 8 | VERIFI-1 | Cent | -17.7 | -154.8 | -5.7 | -17.4 | -155.0 | -2.40 | | | | | |
| | | | | 733 | -17.8 | -154.1 | 11.6 | -16.8 | -155.1 | 4.84 | | | | | |
| | | | | 735 | -17.8 | -155.1 | -31.0 | -11.2 | -161.8 | -12.14 | | | | | |
| | | | | 704 | -17.8 | -155.1 | -23.1 | -14.0 | -158.9 | -9.30 | | | | | |
| | | | | 702 | -17.8 | -154.1 | 19.5 | -15.0 | -156.8 | 7.97 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -2.4 | 2.2 | -5.0 | 5.4 | -5.5 | -57.33 | |
| | | | | | | | | 733 | -1.7 | 3.6 | -4.5 | 6.1 | -4.3 | -60.31 | |
| | | | | | | | | 735 | -1.7 | 0.5 | -5.2 | 4.7 | -5.9 | -50.87 | |
| | | | | | | | | 704 | -2.9 | 3.5 | -5.3 | 6.5 | -5.9 | -60.42 | |
| | | | | | | | | 702 | -3.1 | 1.3 | -4.6 | 4.2 | -6.0 | -57.69 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.3 | -1.0 | | | | | |
| | | | | | | | | 733 | -1.0 | 3.3 | | | | | |
| | | | | | | | | 735 | -1.0 | -5.4 | | | | | |
| | | | | | | | | 704 | 0.3 | -5.4 | | | | | |
| | | | | | | | | 702 | 0.3 | 3.3 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | 42.3 | -180.5 | 50.1 | 53.0 | -191.3 | 12.10 |
| | | | | | | | | 733 | 38.1 | -180.4 | 81.4 | 65.1 | -207.4 | 18.34 | |
| | | | | | | | | 735 | 38.1 | -180.0 | 36.5 | 44.1 | -185.9 | 9.26 | |
| | | | | | | | | 704 | 46.0 | -180.0 | 18.7 | 47.5 | -181.5 | 4.71 | |
| | | | | | | | | 702 | 46.0 | -180.4 | 63.6 | 62.7 | -197.0 | 14.67 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | -149.2 | -27.9 | 50.0 | -9.9 | -167.1 | 70.25 | |
| | | | | | | | | 733 | -86.4 | -5.3 | 62.9 | 29.0 | -120.7 | 61.42 | |
| | | | | | | | | 735 | -145.5 | 2.4 | 34.6 | 10.1 | -153.1 | 77.47 | |
| | | | | | | | | 704 | -235.7 | -75.4 | 34.4 | -68.3 | -242.8 | 78.40 | |
| | | | | | | | | 702 | -129.0 | -33.4 | 62.7 | -2.3 | -160.0 | 63.68 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 108.9 | 66.1 | | | | | |
| | | | | | | | | 733 | 83.0 | 32.6 | | | | | |
| | | | | | | | | 735 | 83.0 | 99.6 | | | | | |
| | | | | | | | | 704 | 134.8 | 99.6 | | | | | |
| | | | | | | | | 702 | 134.8 | 32.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 945 | 11 | 1 | VERIFI-1 | Cent | -140.3 | -859.6 | 170.1 | -102.1 | -897.7 | 12.65 | | | | | |
| | | | | 3 | -175.4 | -977.4 | 127.4 | -155.6 | -997.1 | 8.81 | | | | | |
| | | | | 744 | -175.4 | -745.4 | 153.3 | -136.8 | -784.0 | 14.14 | | | | | |
| | | | | 745 | -102.8 | -745.4 | 212.7 | -38.8 | -809.4 | 16.75 | | | | | |
| | | | | 202 | -102.8 | -977.4 | 186.8 | -64.6 | -1015.6 | 11.57 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 32.9 | 166.0 | -38.4 | 176.3 | 22.6 | -75.01 | |
| | | | | | | | | 3 | 48.2 | 241.2 | -29.5 | 245.6 | 43.8 | -81.51 | |
| | | | | | | | | 744 | 35.0 | 174.9 | -29.7 | 181.0 | 28.9 | -78.48 | |
| | | | | | | | | 745 | 16.7 | 107.4 | -46.7 | 127.1 | -3.1 | -67.10 | |
| | | | | | | | | 202 | 31.7 | 140.4 | -46.4 | 157.5 | 14.6 | -69.76 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 6.1 | 134.5 | | | | | |
| | | | | | | | | 3 | 0.0 | 162.5 | | | | | |
| | | | | | | | | 744 | 0.0 | 106.4 | | | | | |
| | | | | | | | | 745 | 12.2 | 106.4 | | | | | |
| | | | | | | | | 202 | 12.2 | 162.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -84.8 | -439.5 | 170.0 | -16.5 | -507.8 | 21.89 |
| | | | | | | | | 3 | -87.1 | -381.5 | 121.3 | -43.6 | -425.0 | 19.74 | |
| | | | | | | | | 744 | -87.1 | -496.6 | 125.3 | -51.8 | -531.9 | 15.73 | |
| | | | | | | | | 745 | -83.2 | -496.6 | 218.7 | 11.0 | -590.8 | 23.31 | |
| | | | | | | | | 202 | -83.2 | -381.5 | 214.7 | 29.1 | -493.7 | 27.61 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|---------|--------|--------|---------|--------|-------|
| | | | | | | | | Cent | 8.7 | -30.6 | 20.7 | 17.6 | -39.4 | 23.23 | |
| | | | | | | | | 3 | -11.9 | -59.6 | 9.0 | -10.3 | -61.2 | 10.30 | |
| | | | | | | | | 744 | -6.3 | -31.4 | 23.2 | 7.6 | -45.2 | 30.79 | |
| | | | | | | | | 745 | 44.1 | 3.0 | 33.6 | 63.0 | -15.8 | 29.27 | |
| | | | | | | | | 202 | 9.0 | -34.3 | 19.3 | 16.4 | -41.7 | 20.89 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -20.0 | -37.9 | | | | | |
| | | | | | | | | 3 | 0.0 | -35.2 | | | | | |
| | | | | | | | | 744 | 0.0 | -40.5 | | | | | |
| | | | | | | | | 745 | -40.0 | -40.5 | | | | | |
| | | | | | | | | 202 | -40.0 | -35.2 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 946 | 11 | 1 | VERIFI-1 | Cent | -129.5 | -705.6 | 165.0 | -85.6 | -749.5 | 14.90 | | | | | |
| | | | | 744 | -142.3 | -745.7 | 153.3 | -105.6 | -782.4 | 13.47 | | | | | |
| | | | | 746 | -142.3 | -667.2 | 164.7 | -94.9 | -714.6 | 16.05 | | | | | |
| | | | | 747 | -116.0 | -667.2 | 176.7 | -64.2 | -719.0 | 16.33 | | | | | |
| | | | | 745 | -116.0 | -745.7 | 165.4 | -75.2 | -786.5 | 13.86 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 26.4 | 115.7 | -34.4 | 127.4 | 14.7 | -71.21 | |
| | | | | | | | | 744 | 35.0 | 174.9 | -28.5 | 180.5 | 29.4 | -78.91 | |
| | | | | | | | | 746 | 22.1 | 110.4 | -24.9 | 116.9 | 15.5 | -75.29 | |
| | | | | | | | | 747 | 7.7 | 65.2 | -40.8 | 86.4 | -13.5 | -62.62 | |
| | | | | | | | | 745 | 40.8 | 112.3 | -44.4 | 133.5 | 19.6 | -64.41 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 14.7 | 88.4 | | | | | |
| | | | | | | | | 744 | 0.0 | 106.4 | | | | | |
| | | | | | | | | 746 | 0.0 | 70.4 | | | | | |
| | | | | | | | | 747 | 29.5 | 70.4 | | | | | |
| | | | | | | | | 745 | 29.5 | 106.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -119.2 | -568.8 | 168.1 | -63.3 | -624.7 | 18.40 |
| | | | | | | | | 744 | -123.2 | -487.3 | 125.3 | -84.2 | -526.3 | 17.26 | |
| | | | | | | | | 746 | -123.2 | -663.7 | 105.6 | -103.3 | -683.6 | 10.67 | |
| | | | | | | | | 747 | -109.9 | -663.7 | 210.9 | -38.7 | -734.9 | 18.65 | |
| | | | | | | | | 745 | -109.9 | -487.3 | 230.6 | -0.6 | -596.6 | 25.35 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 19.3 | 17.4 | 42.8 | 61.1 | -24.4 | 44.36 | |
| | | | | | | | | 744 | -6.3 | -31.4 | 24.2 | 8.5 | -46.1 | 31.31 | |
| | | | | | | | | 746 | 10.3 | 51.5 | 41.9 | 77.6 | -15.8 | 58.10 | |
| | | | | | | | | 747 | 52.9 | 51.1 | 61.4 | 113.4 | -9.5 | 44.57 | |
| | | | | | | | | 745 | 20.1 | -1.8 | 43.8 | 54.3 | -35.9 | 37.97 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -13.8 | -12.8 | | | | | |
| | | | | | | | | 744 | 0.0 | -40.5 | | | | | |
| | | | | | | | | 746 | 0.0 | 15.0 | | | | | |
| | | | | | | | | 747 | -27.5 | 15.0 | | | | | |
| | | | | | | | | 745 | -27.5 | -40.5 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 947 | 11 | 1 | VERIFI-1 | Cent | -130.4 | -708.3 | 154.4 | -91.7 | -747.0 | 14.06 | | | | | |
| | | | | 746 | -165.6 | -630.9 | 164.7 | -113.3 | -683.2 | 17.65 | | | | | |
| | | | | 696 | -165.6 | -820.1 | 142.8 | -135.8 | -849.9 | 11.79 | | | | | |
| | | | | 697 | -81.5 | -820.1 | 144.2 | -54.3 | -847.3 | 10.67 | | | | | |
| | | | | 747 | -81.5 | -630.9 | 166.1 | -35.2 | -677.2 | 15.58 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 15.7 | 87.8 | -26.1 | 96.3 | 7.2 | -72.04 | |
| | | | | | | | | 746 | 22.1 | 110.4 | -25.2 | 117.0 | 15.4 | -75.16 | |
| | | | | | | | | 696 | 18.2 | 91.1 | -27.3 | 100.2 | 9.2 | -71.60 | |
| | | | | | | | | 697 | -0.6 | 81.4 | -27.4 | 89.7 | -8.9 | -73.13 | |
| | | | | | | | | 747 | 23.0 | 68.3 | -25.3 | 79.6 | 11.7 | -65.96 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 16.2 | 40.2 | | | | | |
| | | | | | | | | 746 | 0.0 | 70.4 | | | | | |
| | | | | | | | | 696 | 0.0 | 9.9 | | | | | |
| | | | | | | | | 697 | 32.5 | 9.9 | | | | | |
| | | | | | | | | 747 | 32.5 | 70.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -185.8 | -864.5 | 138.5 | -158.6 | -891.7 | 11.10 |
| | | | | | | | | 746 | -222.6 | -612.4 | 105.6 | -195.8 | -639.2 | 14.22 | |
| | | | | | | | | 696 | -222.6 | -1187.8 | 19.6 | -222.2 | -1188.2 | 1.17 | |
| | | | | | | | | 697 | -120.6 | -1187.8 | 171.4 | -93.8 | -1214.6 | 8.90 | |
| | | | | | | | | 747 | -120.6 | -612.4 | 257.3 | -10.6 | -722.4 | 23.15 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|--------|--------|-------|----------|--------|--------|--------|-------|-------|--------|-------|
| | | | | | | | | Cent | 21.4 | 43.6 | 52.2 | 85.9 | -20.9 | 51.00 | |
| | | | | | | | | 746 | 10.3 | 51.5 | 45.3 | 80.7 | -18.8 | 57.25 | |
| | | | | | | | | 696 | 20.7 | 103.7 | 59.5 | 134.7 | -10.3 | 62.45 | |
| | | | | | | | | 697 | 19.7 | -28.3 | 56.0 | 56.6 | -65.2 | 33.39 | |
| | | | | | | | | 747 | 34.8 | 47.5 | 41.8 | 83.4 | -1.1 | 49.29 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -0.0 | 117.3 | | | | | |
| | | | | | | | | 746 | 0.0 | 15.0 | | | | | |
| | | | | | | | | 696 | 0.0 | 219.6 | | | | | |
| | | | | | | | | 697 | -0.1 | 219.6 | | | | | |
| | | | | | | | | 747 | -0.1 | 15.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 957 | 11 | 1 | VERIFI-1 | Cent | -74.0 | -775.5 | 199.8 | -21.1 | -828.4 | 14.83 | | | | | |
| | | | | 202 | -83.6 | -828.7 | 203.8 | -31.5 | -880.8 | 14.34 | | | | | |
| | | | | 745 | -83.6 | -723.4 | 192.7 | -30.0 | -777.0 | 15.53 | | | | | |
| | | | | 760 | -63.6 | -723.4 | 195.8 | -9.9 | -777.1 | 15.34 | | | | | |
| | | | | 203 | -63.6 | -828.7 | 206.9 | -11.3 | -881.0 | 14.20 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 23.0 | 100.3 | -50.1 | 124.9 | -1.7 | -63.83 | |
| | | | | | | | | 202 | 31.6 | 139.8 | -45.8 | 156.6 | 14.8 | -69.89 | |
| | | | | | | | | 745 | 15.6 | 102.1 | -42.4 | 119.4 | -1.7 | -67.78 | |
| | | | | | | | | 760 | 10.4 | 60.6 | -54.7 | 95.6 | -24.7 | -57.31 | |
| | | | | | | | | 203 | 34.2 | 98.7 | -58.0 | 132.9 | 0.1 | -59.52 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 17.8 | 68.5 | | | | | |
| | | | | | | | | 202 | 12.2 | 69.4 | | | | | |
| | | | | | | | | 745 | 12.2 | 67.5 | | | | | |
| | | | | | | | | 760 | 23.4 | 67.5 | | | | | |
| | | | | | | | | 203 | 23.4 | 69.4 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -67.0 | -430.3 | 176.0 | 4.3 | -501.6 | 22.05 |
| | | | | | | | | | 202 | -88.2 | -393.4 | 140.9 | -33.1 | -448.5 | 21.36 |
| | | | | | | | | | 745 | -88.2 | -473.6 | 152.1 | -35.4 | -526.4 | 19.14 |
| | | | | | | | | | 760 | -41.5 | -473.6 | 211.1 | 44.5 | -559.6 | 22.17 |
| | | | | | | | | | 203 | -41.5 | -393.4 | 200.0 | 48.9 | -483.8 | 24.33 |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 39.4 | -19.9 | 28.6 | 51.0 | -31.4 | 22.01 | |
| | | | | | | | | 202 | 6.2 | -48.4 | 18.7 | 12.0 | -54.2 | 17.20 | |
| | | | | | | | | 745 | 39.0 | -22.8 | 31.8 | 52.4 | -36.3 | 22.93 | |
| | | | | | | | | 760 | 73.6 | 8.6 | 38.6 | 91.6 | -9.4 | 24.99 | |
| | | | | | | | | 203 | 38.9 | -16.8 | 25.5 | 48.8 | -26.8 | 21.23 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -41.4 | -41.3 | | | | | |
| | | | | | | | | 202 | -40.0 | -41.8 | | | | | |
| | | | | | | | | 745 | -40.0 | -40.9 | | | | | |
| | | | | | | | | 760 | -42.7 | -40.9 | | | | | |
| | | | | | | | | 203 | -42.7 | -41.8 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 958 | 11 | 1 | VERIFI-1 | Cent | -85.3 | -672.8 | 155.6 | -46.7 | -711.5 | 13.95 | | | | | |
| | | | | 745 | -114.1 | -717.6 | 145.4 | -80.9 | -750.9 | 12.87 | | | | | |
| | | | | 747 | -114.1 | -636.4 | 155.9 | -71.1 | -679.4 | 15.42 | | | | | |
| | | | | 761 | -53.2 | -636.4 | 165.7 | -9.4 | -680.2 | 14.80 | | | | | |
| | | | | 760 | -53.2 | -717.6 | 155.2 | -18.7 | -752.1 | 12.52 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 20.9 | 68.8 | -46.2 | 96.9 | -7.1 | -58.72 | |
| | | | | | | | | 745 | 39.7 | 106.9 | -42.0 | 127.1 | 19.6 | -64.33 | |
| | | | | | | | | 747 | 7.8 | 66.0 | -41.3 | 87.4 | -13.6 | -62.60 | |
| | | | | | | | | 761 | 3.5 | 37.4 | -50.0 | 73.3 | -32.3 | -54.37 | |
| | | | | | | | | 760 | 32.5 | 65.0 | -50.7 | 102.0 | -4.5 | -53.88 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 29.3 | 56.9 | | | | | |
| | | | | | | | | 745 | 29.5 | 67.5 | | | | | |
| | | | | | | | | 747 | 29.5 | 46.2 | | | | | |
| | | | | | | | | 761 | 29.1 | 46.2 | | | | | |
| | | | | | | | | 760 | 29.1 | 67.5 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -68.8 | -538.9 | 185.3 | -4.6 | -603.2 | 19.12 |
| | | | | | | | | | 745 | -105.0 | -464.7 | 164.0 | -41.5 | -528.2 | 21.18 |
| | | | | | | | | | 747 | -105.0 | -628.3 | 123.4 | -77.4 | -655.9 | 12.63 |
| | | | | | | | | | 761 | -26.6 | -628.3 | 206.6 | 37.5 | -692.4 | 17.24 |
| | | | | | | | | | 760 | -26.6 | -464.7 | 247.2 | 84.6 | -575.9 | 24.23 |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|------|-------|--------|-------|----------|--------|--------|--------|-------|--------|--------|-------|
| | | | | | | | | Cent | 52.6 | 7.1 | 57.1 | 91.4 | -31.7 | 34.14 | |
| | | | | | | | | 745 | 15.0 | -27.6 | 41.4 | 40.2 | -52.9 | 31.38 | |
| | | | | | | | | 747 | 46.1 | 17.2 | 63.3 | 96.6 | -33.3 | 38.57 | |
| | | | | | | | | 761 | 89.7 | 32.9 | 72.6 | 139.2 | -16.7 | 34.31 | |
| | | | | | | | | 760 | 59.7 | 5.9 | 50.6 | 90.1 | -24.5 | 31.00 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -29.0 | -26.3 | | | | | |
| | | | | | | | | 745 | -27.5 | -40.9 | | | | | |
| | | | | | | | | 747 | -27.5 | -11.6 | | | | | |
| | | | | | | | | 761 | -30.5 | -11.6 | | | | | |
| | | | | | | | | 760 | -30.5 | -40.9 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 959 | 11 | 1 | VERIFI-1 | Cent | -26.1 | -616.7 | 89.7 | -12.7 | -630.1 | 8.44 | | | | | |
| | | | | 747 | -31.6 | -646.1 | 145.2 | 1.0 | -678.7 | 12.65 | | | | | |
| | | | | 697 | -31.6 | -576.5 | 32.9 | -29.6 | -578.5 | 3.44 | | | | | |
| | | | | 734 | -24.8 | -576.5 | 34.1 | -22.7 | -578.6 | 3.52 | | | | | |
| | | | | 761 | -24.8 | -646.1 | 146.4 | 7.9 | -678.9 | 12.62 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 7.3 | 46.5 | -28.5 | 61.4 | -7.7 | -62.26 | |
| | | | | | | | | 747 | 23.1 | 69.1 | -26.9 | 81.5 | 10.7 | -65.28 | |
| | | | | | | | | 697 | -12.6 | 21.5 | -24.9 | 34.6 | -25.6 | -62.23 | |
| | | | | | | | | 734 | 0.0 | 54.8 | -28.3 | 66.8 | -12.0 | -67.00 | |
| | | | | | | | | 761 | 18.6 | 40.5 | -30.3 | 61.8 | -2.7 | -54.89 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 29.5 | -2.5 | | | | | |
| | | | | | | | | 747 | 32.5 | 46.2 | | | | | |
| | | | | | | | | 697 | 32.5 | -51.2 | | | | | |
| | | | | | | | | 734 | 26.6 | -51.2 | | | | | |
| | | | | | | | | 761 | 26.6 | 46.2 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -24.8 | -734.1 | 89.7 | -13.7 | -745.3 | 7.10 |
| | | | | | | | | 747 | -46.0 | -634.5 | 169.8 | -0.5 | -680.0 | 14.99 | |
| | | | | | | | | 697 | -46.0 | -835.5 | -95.5 | -34.6 | -846.9 | -6.80 | |
| | | | | | | | | 734 | -3.0 | -835.5 | 9.7 | -2.9 | -835.6 | 0.66 | |
| | | | | | | | | 761 | -3.0 | -634.5 | 275.0 | 99.9 | -737.4 | 20.53 | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 54.5 | 19.5 | 57.8 | 97.4 | -23.4 | 36.56 | |
| | | | | | | | | 747 | 28.1 | 13.6 | 43.0 | 64.4 | -22.8 | 40.21 | |
| | | | | | | | | 697 | 41.3 | 79.3 | 71.3 | 134.0 | -13.5 | 52.46 | |
| | | | | | | | | 734 | 72.5 | -45.1 | 69.5 | 104.7 | -77.3 | 24.87 | |
| | | | | | | | | 761 | 76.3 | 30.2 | 41.2 | 100.4 | 6.0 | 30.40 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | -7.1 | 103.0 | | | | | |
| | | | | | | | | 747 | -0.1 | -11.6 | | | | | |
| | | | | | | | | 697 | -0.1 | 217.7 | | | | | |
| | | | | | | | | 734 | -14.1 | 217.7 | | | | | |
| | | | | | | | | 761 | -14.1 | -11.6 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | | |
| 960 | 11 | 1 | VERIFI-1 | Cent | -41.9 | -695.7 | 202.2 | 15.6 | -753.2 | 15.87 | | | | | |
| | | | | 203 | -47.6 | -726.0 | 220.4 | 17.7 | -791.3 | 16.51 | | | | | |
| | | | | 760 | -47.6 | -666.4 | 200.2 | 11.5 | -725.6 | 16.45 | | | | | |
| | | | | 762 | -35.5 | -666.4 | 184.0 | 14.3 | -716.2 | 15.13 | | | | | |
| | | | | 204 | -35.5 | -726.0 | 204.2 | 20.4 | -781.8 | 15.30 | | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | | | | | Cent | 25.0 | 63.1 | -67.7 | 114.4 | -26.3 | -52.86 | |
| | | | | | | | | 203 | 31.2 | 83.5 | -66.0 | 128.4 | -13.6 | -55.81 | |
| | | | | | | | | 760 | 9.6 | 56.3 | -60.3 | 97.6 | -31.7 | -55.60 | |
| | | | | | | | | 762 | 13.7 | 38.0 | -69.9 | 96.8 | -45.1 | -49.92 | |
| | | | | | | | | 204 | 45.5 | 74.6 | -75.6 | 137.1 | -17.0 | -50.45 | |
| | | | | | | | | NODE | Vxx | Vyy | | | | | |
| | | | | | | | | Cent | 29.4 | 25.8 | | | | | |
| | | | | | | | | 203 | 23.4 | 19.6 | | | | | |
| | | | | | | | | 760 | 23.4 | 32.0 | | | | | |
| | | | | | | | | 762 | 35.4 | 32.0 | | | | | |
| | | | | | | | | 204 | 35.4 | 19.6 | | | | | |
| | | | | | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | | | | | | VER.TR-1 | Cent | -10.7 | -428.7 | 167.4 | 48.1 | -487.5 | 19.34 |
| | | | | | | | | 203 | -41.3 | -403.0 | 158.2 | 18.2 | -462.5 | 20.59 | |
| | | | | | | | | 760 | -41.3 | -460.8 | 147.1 | 5.2 | -507.2 | 17.52 | |
| | | | | | | | | 762 | 24.0 | -460.8 | 176.5 | 81.5 | -518.2 | 18.03 | |
| | | | | | | | | 204 | 24.0 | -403.0 | 187.6 | 94.8 | -473.8 | 20.65 | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|-------|-------|--------|
| | | | | | | | | Cent | 70.0 | -11.7 | 36.7 | 84.1 | -25.8 | 20.97 |
| | | | | | | | | 203 | 35.2 | -35.2 | 28.0 | 45.0 | -45.0 | 19.23 |
| | | | | | | | | 760 | 67.4 | -22.2 | 42.7 | 84.5 | -39.2 | 21.80 |
| | | | | | | | | 762 | 106.5 | 13.8 | 45.7 | 125.2 | -4.9 | 22.29 |
| | | | | | | | | 204 | 70.9 | -3.3 | 31.0 | 82.1 | -14.5 | 19.93 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -44.6 | -44.1 | | | | |
| | | | | | | | | 203 | -42.7 | -41.3 | | | | |
| | | | | | | | | 760 | -42.7 | -46.9 | | | | |
| | | | | | | | | 762 | -46.5 | -46.9 | | | | |
| | | | | | | | | 204 | -46.5 | -41.3 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 961 | 11 | 1 | VERIFI-1 | Cent | -29.3 | -616.0 | 140.8 | 2.7 | -648.1 | 12.82 | | | | |
| | | | | 760 | -37.6 | -662.6 | 159.6 | 0.8 | -701.1 | 13.53 | | | | |
| | | | | 761 | -37.6 | -571.7 | 124.3 | -10.1 | -599.2 | 12.48 | | | | |
| | | | | 763 | -20.2 | -571.7 | 122.0 | 5.6 | -597.5 | 11.93 | | | | |
| | | | | 762 | -20.2 | -662.6 | 157.3 | 16.2 | -699.1 | 13.04 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 17.5 | 38.2 | -58.5 | 87.2 | -31.5 | -50.04 |
| | | | | | | | | 760 | 31.6 | 60.7 | -56.4 | 104.4 | -12.0 | -52.23 |
| | | | | | | | | 761 | 2.3 | 31.5 | -54.1 | 72.9 | -39.1 | -52.53 |
| | | | | | | | | 763 | 3.9 | 19.1 | -60.4 | 72.3 | -49.4 | -48.59 |
| | | | | | | | | 762 | 32.0 | 41.6 | -62.6 | 99.6 | -26.0 | -47.20 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 29.2 | 26.6 | | | | |
| | | | | | | | | 760 | 29.1 | 32.0 | | | | |
| | | | | | | | | 761 | 29.1 | 21.2 | | | | |
| | | | | | | | | 763 | 29.3 | 21.2 | | | | |
| | | | | | | | | 762 | 29.3 | 32.0 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | 19.8 | -500.1 | 162.7 | 66.5 | -546.9 | 16.03 | | | |
| | | | | | 760 | -12.1 | -456.3 | 183.2 | 53.7 | -522.1 | 19.76 | | | |
| | | | | | 761 | -12.1 | -549.4 | 94.3 | 4.0 | -565.5 | 9.67 | | | |
| | | | | | 763 | 53.8 | -549.4 | 142.3 | 85.7 | -581.3 | 12.63 | | | |
| | | | | | 762 | 53.8 | -456.3 | 231.2 | 143.0 | -545.4 | 21.09 | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 93.0 | 4.0 | 68.4 | 130.1 | -33.1 | 28.46 |
| | | | | | | | | 760 | 53.5 | -24.9 | 54.3 | 81.3 | -52.7 | 27.07 |
| | | | | | | | | 761 | 82.9 | -1.1 | 78.2 | 129.7 | -47.9 | 30.89 |
| | | | | | | | | 763 | 135.7 | 29.5 | 82.6 | 180.7 | -15.6 | 28.63 |
| | | | | | | | | 762 | 99.9 | 12.5 | 58.6 | 129.3 | -16.9 | 26.64 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | -35.3 | -40.1 | | | | |
| | | | | | | | | 760 | -30.5 | -46.9 | | | | |
| | | | | | | | | 761 | -30.5 | -33.4 | | | | |
| | | | | | | | | 763 | -40.1 | -33.4 | | | | |
| | | | | | | | | 762 | -40.1 | -46.9 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | | |
| 962 | 11 | 1 | VERIFI-1 | Cent | -7.0 | -514.9 | 64.8 | 1.2 | -523.1 | 7.16 | | | | |
| | | | | 761 | -7.7 | -576.7 | 105.1 | 11.0 | -595.5 | 10.14 | | | | |
| | | | | 734 | -7.7 | -446.9 | 22.8 | -6.6 | -448.1 | 2.96 | | | | |
| | | | | 735 | -8.6 | -446.9 | 24.5 | -7.3 | -448.3 | 3.20 | | | | |
| | | | | 763 | -8.6 | -576.7 | 106.9 | 10.8 | -596.1 | 10.31 | | | | |
| | | | | | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | | | | | Cent | 6.1 | 23.5 | -35.7 | 51.6 | -21.9 | -51.86 |
| | | | | | | | | 761 | 17.4 | 34.5 | -34.9 | 61.9 | -9.9 | -51.87 |
| | | | | | | | | 734 | -12.6 | -8.4 | -33.1 | 22.6 | -43.7 | -46.79 |
| | | | | | | | | 735 | 4.6 | 46.8 | -34.5 | 66.2 | -14.7 | -60.71 |
| | | | | | | | | 763 | 15.0 | 21.3 | -36.3 | 54.6 | -18.3 | -47.48 |
| | | | | | | | | NODE | Vxx | Vyy | | | | |
| | | | | | | | | Cent | 22.9 | -32.6 | | | | |
| | | | | | | | | 761 | 26.6 | 21.2 | | | | |
| | | | | | | | | 734 | 26.6 | -86.4 | | | | |
| | | | | | | | | 735 | 19.2 | -86.4 | | | | |
| | | | | | | | | 763 | 19.2 | 21.2 | | | | |
| | | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | | | |
| | | | | VER.TR-1 | Cent | 59.6 | -583.6 | 66.7 | 66.4 | -590.4 | 5.85 | | | |
| | | | | | 761 | 33.0 | -555.2 | 162.8 | 75.0 | -597.2 | 14.48 | | | |
| | | | | | 734 | 33.0 | -605.1 | -88.0 | 44.9 | -617.0 | -7.71 | | | |
| | | | | | 735 | 83.4 | -605.1 | -29.5 | 84.6 | -606.4 | -2.45 | | | |
| | | | | | 763 | 83.4 | -555.2 | 221.3 | 152.6 | -624.4 | 17.36 | | | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
|------|-----|-----|----------|----------|-------|--------|--------|-------|--------|--------|-------|
| | | | | Cent | 109.3 | 12.4 | 66.1 | 142.8 | -21.1 | 26.88 | |
| | | | | 761 | 69.5 | -3.8 | 47.7 | 93.0 | -27.3 | 26.24 | |
| | | | | 734 | 97.0 | 77.3 | 82.3 | 170.1 | 4.3 | 41.59 | |
| | | | | 735 | 141.1 | -52.3 | 81.2 | 170.6 | -81.9 | 20.01 | |
| | | | | 763 | 129.7 | 28.3 | 46.5 | 147.8 | 10.2 | 21.28 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -24.1 | 98.7 | | | | | |
| | | | | 761 | -14.1 | -33.4 | | | | | |
| | | | | 734 | -14.1 | 230.8 | | | | | |
| | | | | 735 | -34.2 | 230.8 | | | | | |
| | | | | 763 | -34.2 | -33.4 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 963 | 11 | 1 | VERIFI-1 | Cent | -18.6 | -620.9 | 188.4 | 35.5 | -675.0 | 16.02 | |
| | | | | 204 | -19.3 | -640.5 | 212.8 | 46.6 | -706.4 | 17.21 | |
| | | | | 762 | -19.3 | -601.1 | 185.4 | 34.8 | -655.2 | 16.26 | |
| | | | | 748 | -18.1 | -601.1 | 164.0 | 24.9 | -644.1 | 14.68 | |
| | | | | 11 | -18.1 | -640.5 | 191.4 | 36.0 | -694.7 | 15.79 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 35.2 | 42.1 | -83.1 | 121.7 | -44.5 | -46.19 | |
| | | | | 204 | 40.5 | 49.8 | -83.8 | 129.1 | -38.8 | -46.58 | |
| | | | | 762 | 12.0 | 29.6 | -75.7 | 97.0 | -55.4 | -48.30 | |
| | | | | 748 | 23.6 | 27.4 | -83.1 | 108.6 | -57.6 | -45.65 | |
| | | | | 11 | 64.5 | 61.6 | -91.1 | 154.1 | -28.1 | -44.54 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 42.3 | -2.1 | | | | | |
| | | | | 204 | 35.4 | -11.6 | | | | | |
| | | | | 762 | 35.4 | 7.4 | | | | | |
| | | | | 748 | 49.2 | 7.4 | | | | | |
| | | | | 11 | 49.2 | -11.6 | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| | | | | VER.TR-1 | Cent | 56.9 | -421.8 | 144.0 | 96.9 | -461.8 | 15.52 |
| | | | | | 204 | 26.9 | -408.4 | 158.4 | 78.5 | -459.9 | 18.03 |
| | | | | | 762 | 26.9 | -440.1 | 118.8 | 55.4 | -468.6 | 13.48 |
| | | | | | 748 | 90.1 | -440.1 | 129.6 | 120.0 | -470.1 | 13.03 |
| | | | | | 11 | 90.1 | -408.4 | 169.3 | 142.1 | -460.4 | 17.09 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 102.2 | -4.4 | 40.4 | 115.8 | -18.0 | 18.58 | |
| | | | | 204 | 66.8 | -24.0 | 33.1 | 77.5 | -34.8 | 18.03 | |
| | | | | 762 | 99.8 | -19.8 | 47.9 | 116.6 | -36.6 | 19.34 | |
| | | | | 748 | 142.3 | 19.5 | 48.2 | 159.0 | 2.8 | 19.09 | |
| | | | | 11 | 100.0 | 6.6 | 33.4 | 110.7 | -4.1 | 17.81 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | -52.0 | -45.7 | | | | | |
| | | | | 204 | -46.5 | -40.0 | | | | | |
| | | | | 762 | -46.5 | -51.4 | | | | | |
| | | | | 748 | -57.5 | -51.4 | | | | | |
| | | | | 11 | -57.5 | -40.0 | | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| 964 | 11 | 1 | VERIFI-1 | Cent | -5.4 | -548.1 | 131.0 | 24.6 | -578.1 | 12.89 | |
| | | | | 762 | -4.8 | -598.6 | 158.7 | 35.0 | -638.3 | 14.06 | |
| | | | | 763 | -4.8 | -497.3 | 109.0 | 18.3 | -520.3 | 11.94 | |
| | | | | 750 | -6.2 | -497.3 | 103.4 | 14.7 | -518.1 | 11.42 | |
| | | | | 748 | -6.2 | -598.6 | 153.1 | 31.0 | -635.8 | 13.66 | |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |
| | | | | Cent | 19.4 | 21.3 | -68.9 | 89.2 | -48.5 | -45.38 | |
| | | | | 762 | 30.3 | 33.2 | -68.4 | 100.2 | -36.7 | -45.61 | |
| | | | | 763 | 2.3 | 11.1 | -64.7 | 71.5 | -58.2 | -46.95 | |
| | | | | 750 | 7.2 | 10.5 | -69.4 | 78.2 | -60.6 | -45.69 | |
| | | | | 748 | 37.9 | 30.3 | -73.1 | 107.3 | -39.1 | -43.50 | |
| | | | | NODE | Vxx | Vyy | | | | | |
| | | | | Cent | 31.3 | 5.1 | | | | | |
| | | | | 762 | 29.3 | 7.4 | | | | | |
| | | | | 763 | 29.3 | 2.7 | | | | | |
| | | | | 750 | 33.3 | 2.7 | | | | | |
| | | | | 748 | 33.3 | 7.4 | | | | | |
| | | | | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE | |
| | | | | VER.TR-1 | Cent | 94.9 | -450.1 | 133.8 | 125.9 | -481.2 | 13.07 |
| | | | | | 762 | 67.2 | -437.7 | 173.4 | 121.1 | -491.5 | 17.24 |
| | | | | | 763 | 67.2 | -463.1 | 66.8 | 75.5 | -471.4 | 7.07 |
| | | | | | 750 | 122.7 | -463.1 | 94.1 | 137.4 | -477.9 | 8.91 |
| | | | | | 748 | 122.7 | -437.7 | 200.7 | 187.2 | -502.2 | 17.81 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE | |

Prolungamento sottopasso PK 24+358-Relazione di calcolo

| | | | | | | | | | | |
|------|-----|-----|----------|------|-------|--------|-------|-------|--------|--------|
| | | | | Cent | 137.7 | 6.1 | 74.3 | 171.2 | -27.4 | 24.25 |
| | | | | 762 | 93.2 | -21.1 | 60.9 | 119.5 | -47.5 | 23.39 |
| | | | | 763 | 128.6 | -5.9 | 86.4 | 170.9 | -48.2 | 26.06 |
| | | | | 750 | 187.7 | 32.1 | 88.3 | 227.6 | -7.7 | 24.30 |
| | | | | 748 | 141.2 | 19.3 | 62.7 | 167.7 | -7.1 | 22.90 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -47.3 | -47.5 | | | | |
| | | | | 762 | -40.1 | -51.4 | | | | |
| | | | | 763 | -40.1 | -43.6 | | | | |
| | | | | 750 | -54.5 | -43.6 | | | | |
| | | | | 748 | -54.5 | -51.4 | | | | |
| ELEM | MAT | SEC | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| 965 | 11 | 1 | VERIFI-1 | Cent | 2.1 | -428.4 | 59.8 | 10.2 | -436.6 | 7.77 |
| | | | | 763 | 6.4 | -498.6 | 93.9 | 23.3 | -515.5 | 10.20 |
| | | | | 735 | 6.4 | -355.4 | 24.9 | 8.1 | -357.1 | 3.92 |
| | | | | 704 | -3.3 | -355.4 | 25.7 | -1.5 | -357.3 | 4.16 |
| | | | | 750 | -3.3 | -498.6 | 94.8 | 14.2 | -516.1 | 10.47 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 6.9 | 10.6 | -41.0 | 49.8 | -32.3 | -46.29 |
| | | | | 763 | 13.4 | 13.3 | -40.9 | 54.2 | -27.5 | -44.97 |
| | | | | 735 | -10.2 | -27.5 | -38.9 | 21.0 | -58.7 | -38.75 |
| | | | | 704 | 9.2 | 44.6 | -39.2 | 69.9 | -16.2 | -57.14 |
| | | | | 750 | 15.3 | 12.1 | -41.2 | 55.0 | -27.6 | -43.88 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | 17.4 | -55.4 | | | | |
| | | | | 763 | 19.2 | 2.7 | | | | |
| | | | | 735 | 19.2 | -113.6 | | | | |
| | | | | 704 | 15.7 | -113.6 | | | | |
| | | | | 750 | 15.7 | 2.7 | | | | |
| | | | LC | NODE | Fxx | Fyy | Fxy | Fmax | Fmin | ANGLE |
| | | | VER.TR-1 | Cent | 136.9 | -460.8 | 48.5 | 140.8 | -464.7 | 4.61 |
| | | | | 763 | 115.2 | -474.6 | 145.8 | 149.3 | -508.7 | 13.15 |
| | | | | 735 | 115.2 | -429.6 | -64.2 | 122.7 | -437.1 | -6.63 |
| | | | | 704 | 151.7 | -429.6 | -48.8 | 155.8 | -433.7 | -4.77 |
| | | | | 750 | 151.7 | -474.6 | 161.2 | 190.8 | -513.7 | 13.62 |
| | | | | NODE | Mxx | Myy | Mxy | Mmax | Mmin | ANGLE |
| | | | | Cent | 172.5 | 13.6 | 70.0 | 198.9 | -12.9 | 20.69 |
| | | | | 763 | 122.6 | -7.1 | 51.0 | 140.2 | -24.7 | 19.09 |
| | | | | 735 | 168.2 | 83.2 | 86.8 | 222.4 | 29.1 | 31.97 |
| | | | | 704 | 213.4 | -53.6 | 85.3 | 238.3 | -78.6 | 16.29 |
| | | | | 750 | 185.8 | 31.7 | 49.5 | 200.3 | 17.2 | 16.36 |
| | | | | NODE | Vxx | Vyy | | | | |
| | | | | Cent | -44.8 | 99.8 | | | | |
| | | | | 763 | -34.2 | -43.6 | | | | |
| | | | | 735 | -34.2 | 243.2 | | | | |
| | | | | 704 | -55.4 | 243.2 | | | | |
| | | | | 750 | -55.4 | -43.6 | | | | |

16. Conclusioni

Il progetto è stato redatto in conformità dell'art.17 della Legge 2.2.74 n°64 e dei decreti ministeriali emanati ai sensi degli art.1 e 3 della medesima legge, ed in particolare delle nuove “Norme tecniche per le costruzioni” di cui al D.M. 14 gennaio 2008.

Al fine di migliorare la comprensione delle verifiche svolte, si riporta di seguito una tabella riassuntiva di quelle principali.

| ELEMENTO | COMBINAZIONE | b [m] | h [m] | e-c' [m] | As | A's | Ast | N _{rd} [kN] | M _{rd} [kNm] | V _{rd} [kN] | N _{rd} [kN] | M _{rd} [kNm] | V _{rd} [kN] |
|---|---|-------|-------|----------|-----------------|--------|--------|----------------------|-----------------------|----------------------|----------------------|-----------------------|----------------------|
| Paraghiuis - Sp. 0.25m | Verifica C5.1.3.3.7.2 - Circolare n.617 (verso frenatura da spalla a impalcato) | 1.98 | 0.25 | 0.03 | Φ12/25 | Φ16/25 | (*) | 158.3 | 94.5 | 135.0 | 168.0 | 100.3 | 210.5 |
| Paraghiuis - Sp. 0.35m | Verifica C5.1.3.3.7.2 - Circolare n.617 (verso frenatura da spalla a impalcato) | 1.98 | 0.35 | 0.03 | Φ16/25 | Φ16/25 | (*) | 372.2 | 324.0 | 270.0 | 733.5 | 638.5 | 659.8 |
| Muri andatori esistenti (x) | Ver. trasv. (verso del sisma da terreno di riempimento a muro) | 1.00 | 1.10 | 0.04 | Φ20/25 + Φ20/50 | Φ16/25 | (*) | 427.6 | 388.0 | 319.7 | 934.4 | 1285.1 | 352.12 |
| Nuovo muro andatore (x) | Ver. trasv. (verso del sisma da terreno di riempimento a muro) | 1.00 | 1.00 | 0.04 | Φ20/25 + Φ20/50 | Φ16/25 | (*) | 140.4 | 477.2 | 334.3 | 232.3 | 789.5 | 360.5 |
| Muro paramento (nello stato di fatto) (x) | Verifica + - (verso del sisma da terreno di riempimento a impalcato) | 1.00 | 1.40 | 0.04 | Φ26/25 | Φ16/25 | (*) | 559.8 | 920.1 | 297.7 | 1173.3 | 1928.3 | 434.41 |
| Tiranti di ancoraggio | SLV long. (verso del sisma da terreno di riempimento a impalcato) | / | / | / | / | / | / | 1473 | / | / | 1791.9 | / | / |
| Colonne jet grouting Φ600 | SLU pali sdp - A1+M1+R3 (GEO) | / | / | / | / | / | / | 823.7 | / | / | 1323.5 | / | / |
| | SLV - Sisma trasversale - A1+M1+R3 (STR) | / | / | / | / | / | / | 466 | / | 69.31 | 1687.3 | / | 209.6 |
| Pali trivellati Φ800 | SLU - A1+M1+R3 (STR) | 0.8 | / | 0.04 | 24Φ24 | / | Φ14/15 | 869.5 | 1054.3 | 429.0 | 1166.1 | 1414.0 | 873.8 |

(*) Verifica svolta considerando la sezione non armata a taglio

(x) Verifica svolta considerando un tratto di lunghezza unitaria

Le analisi condotte confermano che tutte le verifiche prescritte dalla normativa vigente risultano soddisfatte. Le strutture soddisfano, pertanto, i requisiti di sicurezza prescritti dalle vigenti Leggi.