ANAS S.p.A.

Direzione Progettazione e Realizzazione Lavori

S.S. 38 - LOTTO 4: VARIANTE DI TIRANO DALLO SVINCOLO DI STAZZONA (COMPRESO) ALLO SVINCOLO DI LORETO (CON COLLEGAMENTO ALLA DOGANA DI POSCHIAVO)

S.S. 38 - LOTTO 4: NODO DI TIRANO - TRATTA "A" (SVINCOLO DI BIANZONE - SVINCOLO LA GANDA) E TRATTA "B" (SVINCOLO LA GANDA - CAMPONE IN TIRANO)

PROGETTO ESECUTIVO

STUDIO CORONA
Ing. Renato Vaira
(Ordine degli Ingg. di Torino e Provincia n° 4663 W)

Ingegneria del Territorio s.r.l.
Ing. Valerio Bajetti
Ordine degli Ingg. di Roma e provincia n° A-26211

ING. RENATO DEL PRETE
Ing. Renato Del Prete
Ordine degli Ingg. di Bari e provincia n° 5073

ECOPLAN
Arch. Nicoletta Frattini
Ordine degli Arch. di Torino e provincia n° A-8433

E&G Engineering & Graphics S.r.l.
Ing. Gabriele Incecchi
Ordine degli Ingg. di Roma e provincia n° A-12102

CONSORZIO UNING Soc.Cons. a r.l.
Società designata: GA&M
Prof. Ing. Matteo Ranieri
Ordine degli Ingg. di Bari e provincia n° 1137

SETAC Srl
Servizi & Engineering Trasporti Ambiente Costruzioni
Prof. Ing. Luigi Monterisi
Ordine degli Ingg. di Bari e provincia n° 1771

ARKE' INGEGNERIA s.r.l.
Ing. Gioacchino Angarano
Ordine degli Ingg. di Bari e provincia n° 5970

DOTT. GEOL. DANILO GALLO
Dott. Geol. Danilo Gallo
Ordine dei Geologi della Regione Puglia n° 588

VISTO: IL RESPONSABILE DEL PROCEDIMENTO	RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE	GEOLOGO	IL COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE
Dott. Ing. Giancarlo LUONGO	Ing. Valerio BAJETTI	Dott. Geol. Francesco AMANTIA SCUDERI	Ing. Gaetano RANIERI

HB05

H - PROGETTO STRUTTURALE OPERE PRINCIPALI

HB – VI02 PONTE SULL'ADDA DI TIRANO

RELAZIONE DI CALCOLO PARATIA PROVVISIONALE SPALLA

CODICE PROGETTO			NOME FILE	REVISIONE	SCALA:
PROGETTO	LIV. PROG.	N. PROG.	HB05-P00VI02STRRE05_A.dwg		
MI324	E	1801	CODICE ELAB. P00VI02STRRE05	A	----------

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
C					
B					
A	EMISSIONE	SETTEMBRE 2018	ING. NICOLA LIGAS	ING. FABRIZIO BAJETTI	ING. VALERIO BAJETTI

SOMMARIO

1 PREMESSA

La presente relazione riporta il dimensionamento e le verifiche strutturali della paratia provvisionale di micropali Ø220 a protezione degli scavi per la realizzazione della spalla A del ponte VI-02 nell'ambito del progetto esecutivo "*S.S. 38 – Lotto 4: Nodo di Tirano – Tratta "A" (Svincolo di Biazone – Svincolo La Ganda) – Tratta "B" (Svincolo La Ganda – Campone in Tirano)*".

2 NORMATIVA

Nella redazione dei calcoli statici ci si è attenuti alle prescrizioni della Normativa vigente; in particolare:

- **Legge n°1086 del 05/11/1971** "Norme per la disciplina delle opere in conglomerato cementizio armato, normale e precompresso ed a struttura metallica"
- **Legge n°64 del 02/02/1974** "Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche"
- **Decreto Ministeriale 17/01/2018 "**Norme Tecniche per le Costruzioni"
- **Circolare Min. 02/02/2009, n° 617** "Istruzioni per l'applicazione delle Nuove Norme Tecniche per le Costruzioni di cui al D.M. 14/01/2008"
- **UNI EN 1991-2 (Eurocodice 1 – Parte 2)** → Azioni sulle strutture – Carichi da traffico sui ponti
- **UNI EN 1992-1 (Eurocodice 2 – Parte 1)** → Progettazione delle strutture in calcestruzzo – Regole generali
- **UNI EN 1992-2 (Eurocodice 2 – Parte 2)** → Progettazione delle strutture in calcestruzzo – Ponti
- **UNI EN 1998-2 (Eurocodice 8 – Parte 2)** → Progettazione delle strutture per la resistenza sismica – Ponti
- **UNI EN 206-1:2006** → Calcestruzzo – Specificazione, prestazione e conformità
- **UNI 11104** → Calcestruzzo – Specificazione, prestazione, produzione e conformità – Istruzioni complementari per l'applicazione della EN 2016-1

3 UNITA' DI MISURA

Nei calcoli è stato fatto uso delle seguenti unità di misura:

- per i carichi: kN/m^2, kN/m, kN
- per i momenti: kNm
- per i tagli e sforzi normali: kN
- per le tensioni: N/mm^2
- per le accelerazioni: m/sec^2

4 MATERIALI

4.1 CALCESTRUZZI

4.1.1 MISCELA PER MICROPALI Ø220 DELLA PARATIA (UNI 11104-2016)

Per la realizzazione dei micropali è stato previsto l'utilizzo di una miscela con le seguenti caratteristiche meccaniche:

- Resistenza caratteristica cilindrica minima → **$f_{ck} \geq 25{,}00$ N/mm²**
- Classe di esposizione → **XC2** (Norme UNI 11104:2016)
- Massimo rapporto acqua/cemento → **0,50** (Norme UNI 11104:2016)
- Minimo contenuto in cemento → **300,00 kg/m³** (Norme UNI 11104:2016)
- Fluidità → **180-200 mm** (senza colpi)

4.1.2 CALCESTRUZZO PER CORDOLO DI TESTA (UNI 11104-2016)

Per il cordolo di testa è stato previsto un calcestruzzo con classe di resistenza **C25/30** con le seguenti caratteristiche meccaniche:

CARATTERISTICHE MECCANICHE DEI CALCESTRUZZI - D.M. 17.01.2018			
Classe di resistenza del calcestruzzo	C25/30		
Resistenza caratteristica cubica a compressione	R_{ck}	**30,00**	[N/mm²]
Resistenza caratteristica cilindrica a compressione	f_{ck}	**24,90**	[N/mm²]
Resistenza cilindrica media a compressione a 28 gg	f_{cm}	**32,90**	[N/mm²]
Resistenza di calcolo a compressione	f_{cd}	**14,11**	[N/mm²]
Resistenza media a trazione	f_{ctm}	**2,56**	[N/mm²]
Resistenza caratteristica a trazione	f_{ctk}	**1,79**	[N/mm²]
Resistenza di calcolo a trazione	f_{ctd}	**1,19**	[N/mm²]
Modulo elastico istantaneo	E_c	**31.220,19**	[N/mm²]
Modulo elastico medio	E_{cm}	**30.440,77**	[N/mm²]

- Classe di esposizione: **XC2**
- Classe di consistenza: **S4**
- Rapporto minimo acqua / cemento: **0,60**
- Contenuto minimo di cemento: **300 kg/mc**
- Diametro massimo degli inerti: **30 mm**
- Copriferro netto minimo: **40 mm**

4.2 ACCIAI

4.2.1 ACCIAIO PER ARMATURA LENTA

Per le armature lente è stato previsto un acciaio del tipo **B450C,** con le seguenti caratteristiche meccaniche:

- $f_{t,k}$ = 540,00 N/mm² (resistenza caratteristica a rottura)
- $f_{y,k}$ = 450,00 N/mm² (tensione caratteristica di snervamento)
- $f_{y,d}$ = 391,30 N/mm² (resistenza di calcolo – γ_s=1,15)
- E_s = 210.000,00 N/mm² (modulo elastico istantaneo)

4.2.2 ACCIAIO PER OPERE IN CARPENTERIA METALLICA

Per le opere in carpenteria metallica (camicie di armatura dei micropali) è stato previsto l'utilizzo di un acciaio tipo **S355JR** con le seguenti caratteristiche meccaniche:

- Tipologia di acciaio → **S355JR**
- Tensione caratteristica di rottura → **f_{tk} = 510,00 N/mm²**

- Tensione caratteristica di snervamento → $\mathbf{f_{yk} = 355{,}00\ N/mm^2}$
- Resistenza di calcolo → $\mathbf{f_{yd} = 338{,}09\ N/mm^2}$
- Modulo elastico → $\mathbf{E_s = 210.000{,}00\ N/mm^2}$

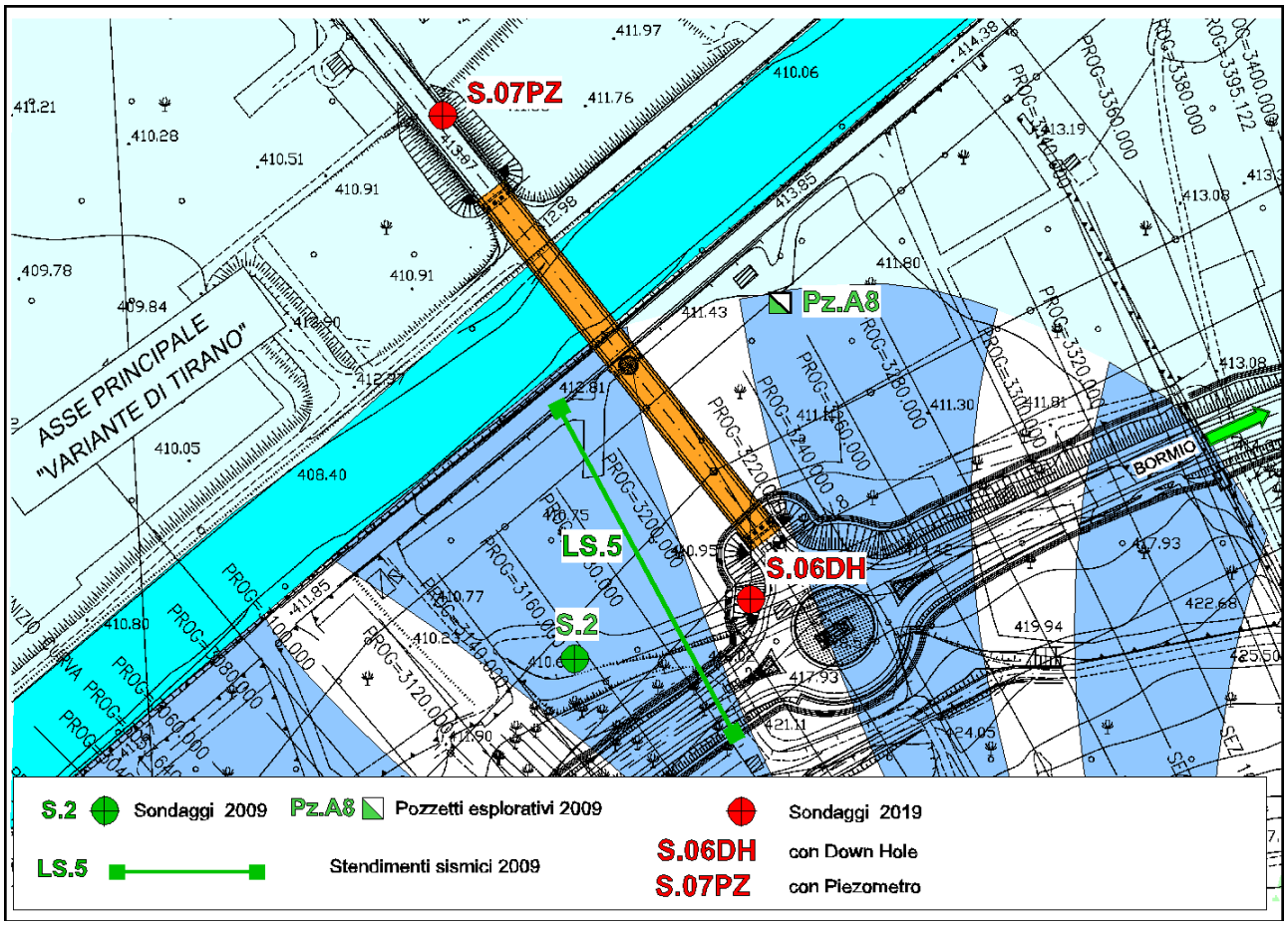
5 CARATTERIZZAZIONE GEOTECNICA DEI TERRENI

5.1 DEFINIZIONE DELLA STRATIGRAFIA E DEI PARAMETRI GEOTECNICI DI CALCOLO

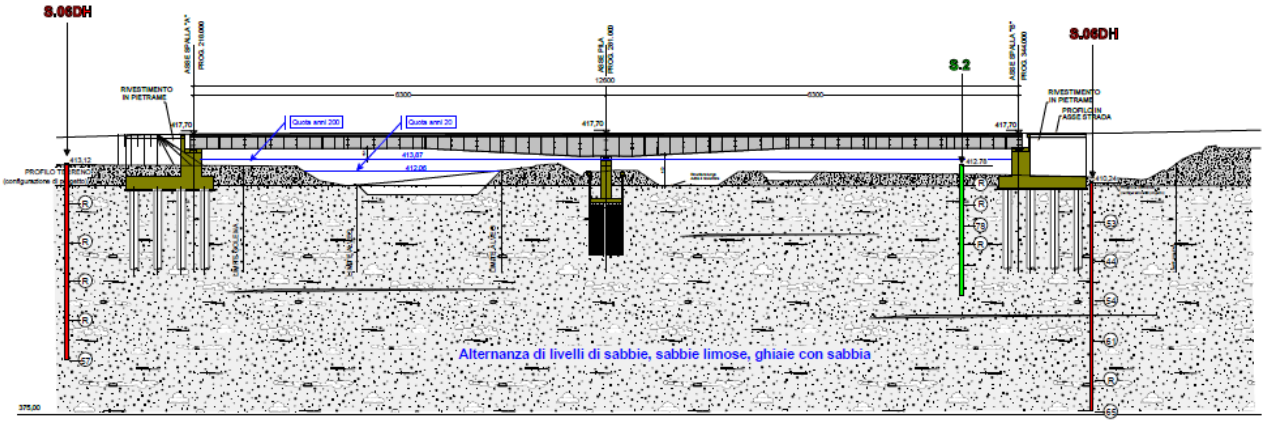
Per la determinazione della stratigrafia dei terreni utilizzata per le verifiche delle strutture di fondazione si è fatto riferimento ai seguenti sondaggi:

- Sondaggio S.2 (2009)
- Sondaggio S.06DH (2019)
- Sondaggio S.07PZ (2019)

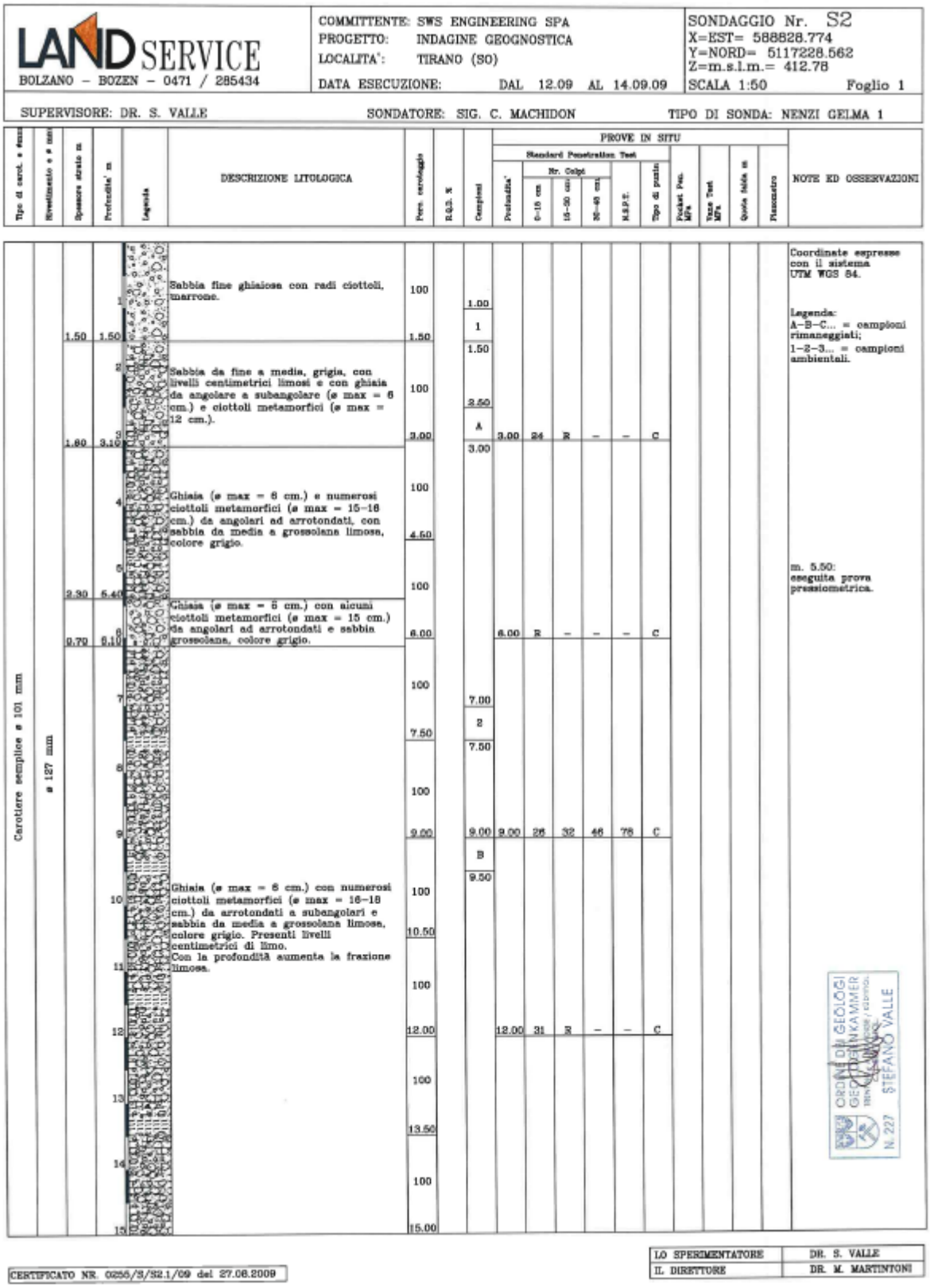
I sondaggi sopra elencati risultano ubicati come mostrato nell'immagine seguente:



Il viadotto, come da schema litologico di seguito riportato, ricade a cavallo tra le formazioni litologiche UG1 e UG2_1 e poiché dal sondaggio S.2 non è possibile distinguere il passaggio dai depositi di conoide a quelli alluvionali, nel modello geologico di calcolo verranno considerati i parametri medi relativi alla formazione UG2_1 (strato nel quale ricadono completamente i pali di fondazione):



Nell'immagine seguente è riportata la stratigrafia del sondaggio **S.2** (2009):



LAND SERVICE
BOLZANO – BOZEN – 0471 / 285434

COMMITTENTE: SWS ENGINEERING SPA
PROGETTO: INDAGINE GEOGNOSTICA
LOCALITA': TIRANO (SO)
DATA ESECUZIONE: DAL 12.09 AL 14.09.09

SONDAGGIO Nr. S2
X=EST= 588828.774
Y=NORD= 5117228.562
Z=m.s.l.m.= 412.78
SCALA 1:50 Foglio 1

SUPERVISORE: DR. S. VALLE SONDATORE: SIG. C. MACHIDON TIPO DI SONDA: NENZI GELMA 1

Carotiere semplice ø 101 mm
ø 127 mm

Spessore strato m	Profondita' m	DESCRIZIONE LITOLOGICA	Perc. carotaggio	R.Q.D. %	Campioni	PROVE IN SITU Standard Penetration Test Profondita'	Nr. Colpi 0-15 cm	15-30 cm	30-45 cm	N.S.P.T.	Tipo di punta	Pocket Pen. MPa	Taratura Test MPa	Quota falda m	Piezometro	NOTE ED OSSERVAZIONI
1.50	1.50	Sabbia fine ghiaiosa con radi ciottoli, marrone.	100		1.00											Coordinate espresse con il sistema UTM WGS 84.
					1											
			1.50		1.50											Legenda: A-B-C... = campioni rimaneggiati; 1-2-3... = campioni ambientali.
		Sabbia da fine a media, grigia, con livelli centimetrici limosi e con ghiaia da angolare a subangolare (ø max = 6 cm.) e ciottoli metamorfici (ø max = 12 cm.).	100		2.50											
1.80	3.30				A	3.00	24	R	–	–	C					
					3.00											
		Ghiaia (ø max = 8 cm.) e numerosi ciottoli metamorfici (ø max = 15-18 cm.) da angolari ad arrotondati, con sabbia da media a grossolana limosa, colore grigio.	100													
			4.50													
2.30	5.60		100													m. 5.50: eseguita prova pressiometrica.
		Ghiaia (ø max = 6 cm.) con alcuni ciottoli metamorfici (ø max = 15 cm.) da angolari ad arrotondati e sabbia grossolana, colore grigio.	6.00			6.00	R	–	–	–	C					
0.79	6.39															
			100		7.00											
					2											
			7.50		7.50											
			100													
			9.00		9.00	9.00	26	32	46	78	C					
					B											
					9.50											
		Ghiaia (ø max = 8 cm.) con numerosi ciottoli metamorfici (ø max = 16-18 cm.) da arrotondati a subangolari e sabbia da media a grossolana limosa, colore grigio. Presenti livelli centimetrici di limo. Con la profondità aumenta la frazione limosa.	100													
			10.50													
			100													
			12.00			12.00	31	R	–	–	C					
			100													
			13.50													
			100													
			15.00													

ORDINE DEI GEOLOGI DELLA LOMBARDIA N. 227 STEFANO VALLE

CERTIFICATO NR. 0256/S/S2.1/09 del 27.08.2009

LO SPERIMENTATORE DR. S. VALLE
IL DIRETTORE DR. M. MARTINTONI

LAND SERVICE
BOLZANO – BOZEN – 0471 / 285434

COMMITTENTE: SWS ENGINEERING SPA
PROGETTO: INDAGINE GEOGNOSTICA
LOCALITA': TIRANO (SO)
DATA ESECUZIONE: DAL 12.09 AL 14.09.09

SONDAGGIO Nr. S2
X=EST= 588828.774
Y=NORD= 5117228.562
Z=m.s.l.m.= 412.78
SCALA 1:50 Foglio 2

SUPERVISORE: DR. S. VALLE SONDATORE: SIG. C. MACHIDON TIPO DI SONDA: NENZI GELMA 1

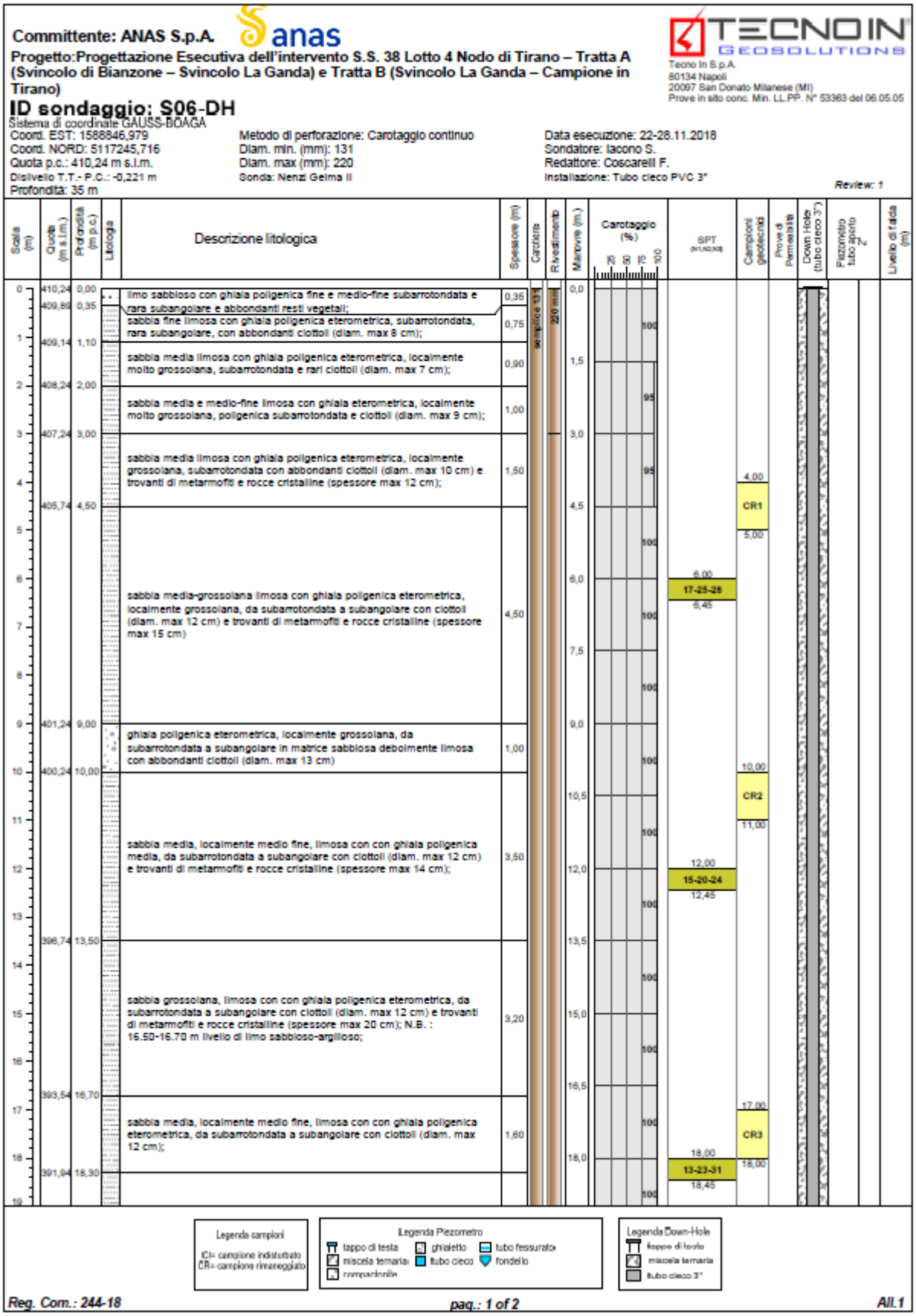
Tipo di carot. e diam.	Rivestimento e Ø max	Spessore strato m	Profondita' m	Legenda	DESCRIZIONE LITOLOGICA	Perc. carotaggio	R.Q.D. %	Campioni	PROVE IN SITU: Profondita'	Standard Penetration Test: Nr. Colpi 0-15 cm	Nr. Colpi 15-30 cm	Nr. Colpi 30-45 cm	S.P.T.	Tipo di punta	Pocket Pen. kPa	Vane Test kPa	Quota falda m	Piezometro	NOTE ED OSSERVAZIONI
Carotiere semplice ø 101 mm	ø 127 mm	10.30	16.40		Ghiaia (ø max = 6 cm.) con numerosi ciottoli metamorfici (ø max = 18-18 cm.) da arrotondati a subangolari e sabbia da media a grossolana limosa, colore grigio. Presenti livelli centimetrici di limo. Con la profondità aumenta la frazione limosa.	100													
						16.50													
						100		17.00 C 17.50											
					Ghiaia (ø max = 6 cm.) con alcuni ciottoli metamorfici (ø max = 15 cm.) da subarrotondati a subangolari e sabbia media con limo, colore grigio.	18.00													
						100													
						19.50													
						100													
20.00	20.00	3.60	20		F.F. m. 20.00.	20.00													

ORDINE DEI GEOLOGI GEOLOGENKAMMER STEFANO VALLE N. 227

CERTIFICATO NR. 0255/S/S2.2/09 del 27.08.2009

LO SPERIMENTATORE	DR. S. VALLE
IL DIRETTORE	DR. M. MARTINTONI

Nell'immagine seguente è riportata la stratigrafia del sondaggio **S.06DH** (2019):



Committente: ANAS S.p.A.

Progetto: Progettazione Esecutiva dell'intervento S.S. 38 Lotto 4 Nodo di Tirano – Tratta A (Svincolo di Bianzone – Svincolo La Ganda) e Tratta B (Svincolo La Ganda – Campione in Tirano)

ID sondaggio: S06-DH

Sistema di coordinate GAUSS-BOAGA
Coord. EST: 1588846,979
Coord. NORD: 5117245,716
Quota p.c.: 410,24 m s.l.m.
Dislivello T.T.- P.C.: -0,221 m
Profondità: 35 m

Metodo di perforazione: Carotaggio continuo
Diam. min. (mm): 131
Diam. max (mm): 220
Sonda: Nenzi Geima II

Data esecuzione: 22-28.11.2018
Sondatore: Iacono S.
Redattore: Coscarelli F.
Installazione: Tubo cieco PVC 3"

Tecno In S.p.A.
80134 Napoli
20097 San Donato Milanese (MI)
Prove in sito conc. Min. LL.PP. N° 53363 del 06.05.05

Review: 1

Scala (m)	Quota (m s.l.m.)	Profondità (m p.c.)	Descrizione litologica	Spessore (m)
0	410,24	0,00	limo sabbioso con ghiaia poligenica fine e medio-fine subarrotondata e rara subangolare e abbondanti resti vegetali;	0,35
	409,89	0,35	sabbia fine limosa con ghiaia poligenica eterometrica, subarrotondata, rara subangolare, con abbondanti ciottoli (diam. max 8 cm);	0,75
1	409,14	1,10	sabbia media limosa con ghiaia poligenica eterometrica, localmente molto grossolana, subarrotondata e rari ciottoli (diam. max 7 cm);	0,90
2	408,24	2,00	sabbia media e medio-fine limosa con ghiaia eterometrica, localmente molto grossolana, poligenica subarrotondata e ciottoli (diam. max 9 cm);	1,00
3	407,24	3,00	sabbia media limosa con ghiaia poligenica eterometrica, localmente grossolana, subarrotondata con abbondanti ciottoli (diam. max 10 cm) e trovanti di metarmofiti e rocce cristalline (spessore max 12 cm);	1,50
4	405,74	4,50	sabbia media-grossolana limosa con ghiaia poligenica eterometrica, localmente grossolana, da subarrotondata a subangolare con ciottoli (diam. max 12 cm) e trovanti di metarmofiti e rocce cristalline (spessore max 15 cm)	4,50
9	401,24	9,00	ghiaia poligenica eterometrica, localmente grossolana, da subarrotondata a subangolare in matrice sabbiosa debolmente limosa con abbondanti ciottoli (diam. max 13 cm)	1,00
10	400,24	10,00	sabbia media, localmente medio fine, limosa con con ghiaia poligenica media, da subarrotondata a subangolare con ciottoli (diam. max 12 cm) e trovanti di metarmofiti e rocce cristalline (spessore max 14 cm);	3,50
13	396,74	13,50	sabbia grossolana, limosa con con ghiaia poligenica eterometrica, da subarrotondata a subangolare con ciottoli (diam. max 12 cm) e trovanti di metarmofiti e rocce cristalline (spessore max 20 cm); N.B. : 16.50-16.70 m livello di limo sabbioso-argilloso;	3,20
16	393,54	16,70	sabbia media, localmente medio fine, limosa con con ghiaia poligenica eterometrica, da subarrotondata a subangolare con ciottoli (diam. max 12 cm);	1,60
18	391,94	18,30		

Carotaggio (%)

SPT (N1,N2,N3)
6,00 — 17-25-28 — 6,45
12,00 — 15-20-24 — 12,45
18,00 — 13-23-31 — 18,45

Campioni geotecnici
4,00 — CR1 — 5,00
10,00 — CR2 — 11,00
17,00 — CR3 — 18,00

Down Hole (tubo cieco 3")

Piezometro tubo aperto

Livello di falda (m)

Legenda campioni
IC= campione indisturbato
CR= campione rimaneggiato

Legenda Piezometro
tappo di testa
miscela bentonitica
cemento-bentonite
ghiaietto
tubo cieco
tubo fessurato
fondello

Legenda Down-Hole
tappo di fondo
miscela bentonitica
tubo cieco 3"

Reg. Com.: 244-18 — pag.: 1 of 2 — All.1

Committente: ANAS S.p.A.

Progetto: Progettazione Esecutiva dell'intervento S.S. 38 Lotto 4 Nodo di Tirano – Tratta A (Svincolo di Bianzone – Svincolo La Ganda) e Tratta B (Svincolo La Ganda – Campione in Tirano)

Tecno In S.p.A.
80134 Napoli
20097 San Donato Milanese (MI)
Prove in sito conc. Min. LL.PP. N° 53363 del 06.05.05

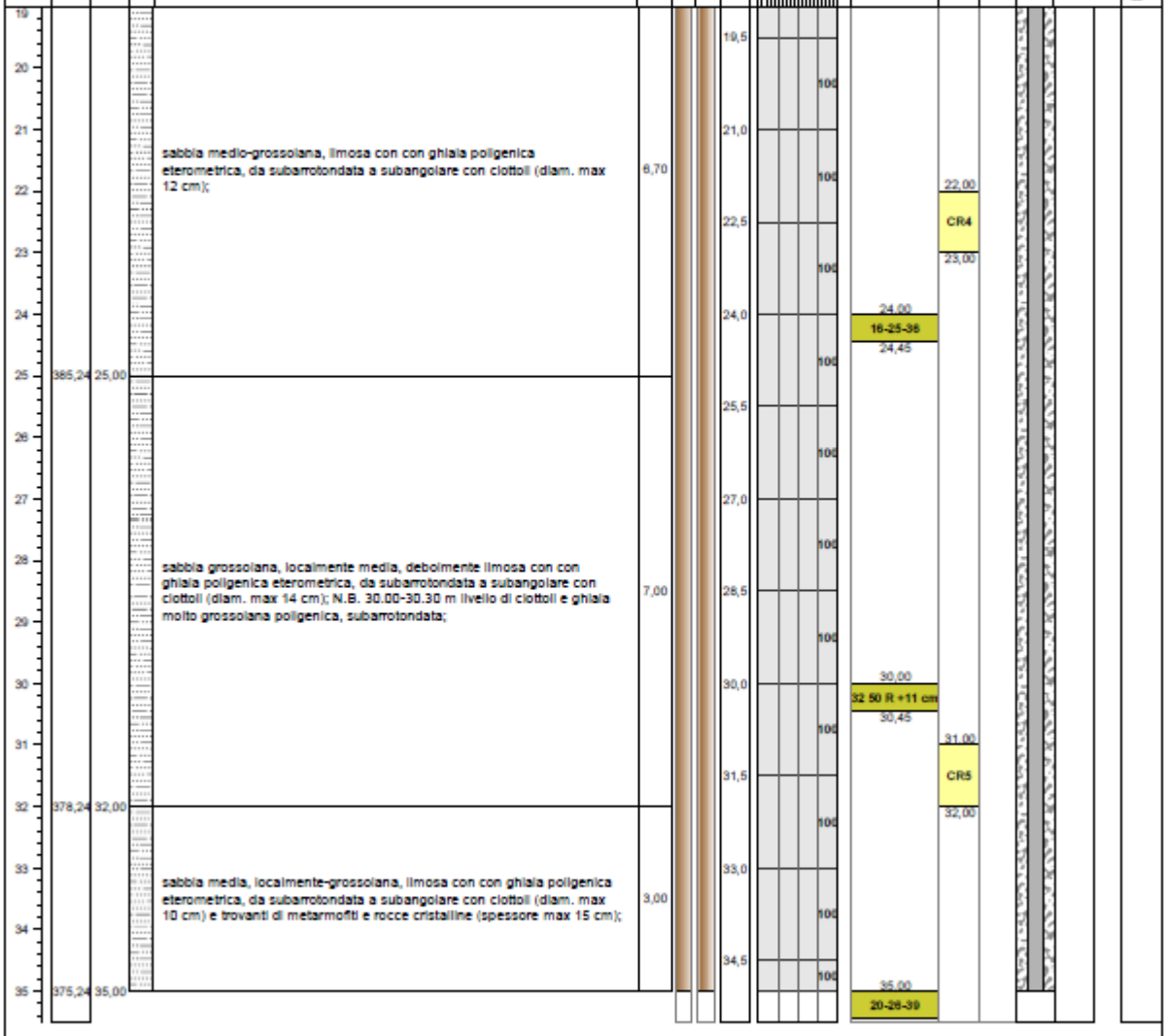
ID sondaggio: S06-DH

Sistema di coordinate GAUSS-BOAGA
Coord. EST: 1588846,979
Coord. NORD: 5117245,716
Quota p.c.: 410,24 m s.l.m.
Dislivello T.T.- P.C.: -0,221 m
Profondità: 35 m

Metodo di perforazione: Carotaggio continuo
Diam. min. (mm): 131
Diam. max (mm): 220
Sonda: Nenzi Gelma II

Data esecuzione: 22-28.11.2018
Sondatore: Iacono S.
Redattore: Coscarelli F.
Installazione: Tubo cieco PVC 3"

Review: 1



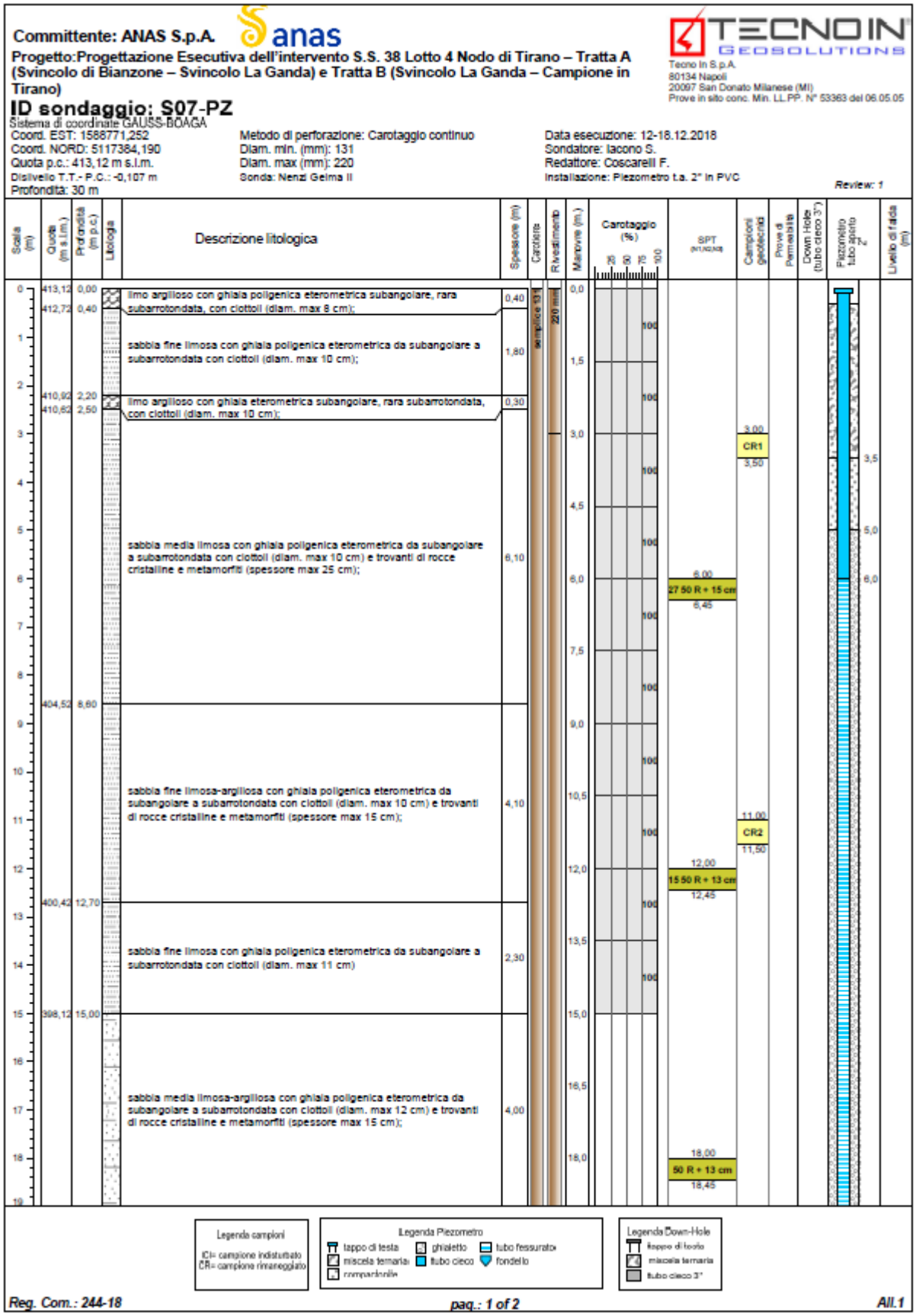
Legenda campioni
IC= campione indisturbato
CR= campione rimaneggiato

Legenda Piezometro
tappo di testa
miscela bentonitica
cemento-bentonite
ghiaietto
tubo cieco
tubo fessurato
fondello

Legenda Down-Hole
tappo di fondo
miscela bentonitica
tubo cieco 3"

Reg. Com.: 244-18 pag.: 2 of 2 All.1

Nell'immagine seguente è riportata la stratigrafia del sondaggio **S.07PZ** (2019):



Committente: ANAS S.p.A.

Progetto:Progettazione Esecutiva dell'intervento S.S. 38 Lotto 4 Nodo di Tirano – Tratta A (Svincolo di Bianzone – Svincolo La Ganda) e Tratta B (Svincolo La Ganda – Campione in Tirano)

Tecno In S.p.A.
80134 Napoli
20097 San Donato Milanese (MI)
Prove in sito conc. Min. LL.PP. N° 53363 del 06.05.05

ID sondaggio: S07-PZ

Sistema di coordinate GAUSS-BOAGA
Coord. EST: 1568771,252
Coord. NORD: 5117384,190
Quota p.c.: 413,12 m s.l.m.
Dislivello T.T.- P.C.: -0,107 m
Profondità: 30 m

Metodo di perforazione: Carotaggio continuo
Diam. min. (mm): 131
Diam. max (mm): 220
Sonda: Nenzi Geima II

Data esecuzione: 12-18.12.2018
Sondatore: Iacono S.
Redattore: Coscarelli F.
Installazione: Piezometro t.a. 2" in PVC

Review: 1

Scala (m)	Quota (m s.l.m.)	Profondità (m p.c.)	Litologia	Descrizione litologica	Spessore (m)
	394,12	19,00		sabbia media limosa con abbondanti ciottoli (diam. max 12 cm)	1,00
	393,12	20,00		sabbia media limosa con ghiaia poligenica eterometrica da subangolare a subarrotondata con ciottoli (diam. max 12 cm);	2,00
	391,12	22,00		sabbia media limosa-argillosa con ghiaia poligenica eterometrica da subangolare a subarrotondata con ciottoli (diam. max 12 cm);	3,00
	388,12	25,00		sabbia media limosa con ghiaia poligenica eterometrica da subangolare a subarrotondata con ciottoli (diam. max 11 cm) e trovanti di rocce cristalline e metamorfiti (spessore max 15 cm);	2,00
	386,12	27,00		sabbia media limosa-argillosa con ghiaia poligenica eterometrica da subangolare a subarrotondata con ciottoli (diam. max 9 cm) e trovanti di rocce cristalline e metamorfiti (spessore max 15 cm);	3,00
	383,12	30,00			

Cartiglio | Rivestimento | Manovre (m.) | Carotaggio (%) | SPT | Campioni geotecnici | Prove di Permeabilità | Down Hole (tubo cieco 3") | Piezometro tubo aperto 2" | Livello di falda (m)

Manovre: 19,5 | 21,0 | 22,5 | 24,0 | 25,5 | 27,0 | 28,5

SPT: 24,00 — 50 R + 14 cm — 24,45; 30,00 — 15-24-33

Campioni geotecnici: 22,50 — CR3 — 23,00; 29,00 — CR4 — 29,50

Prove di Permeabilità: 20,40 — LF01 — 21,00

Piezometro tubo aperto 2": 30,0

Legenda campioni
IC= campione indisturbato
CR= campione rimaneggiato

Legenda Piezometro
tappo di testa | ghiaietto | tubo fessurato
miscela bentonitica | tubo cieco | fondello
cementazione

Legenda Down-Hole
tappo di fondo
miscela bentonitica
tubo cieco 3"

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All.1

Di seguito sono riepilogati i parametri geotecnici e geomeccanici relativi alla formazione litologica UG2_1 (Conoidi):

-	Peso di volume saturo	**γ_s = 21,00 kN/m^3**
-	Peso di volume	**γ = 19,00 kN/m^3**
-	Coesione efficace	**c' = 0,00 kN/m^2**
-	Angolo di attrito (valore caratteristico)	**φ' = 37,00°**
-	Densità relativa (Bazaraa, 1962 – da valori medi di $N_1(60)$	**Dr = 63,00 %**
-	Modulo elastico (Young)	**E = 337,40 N/mm^2**
-	Modulo Edometrico	**E_d = 404,90 N/mm^2**

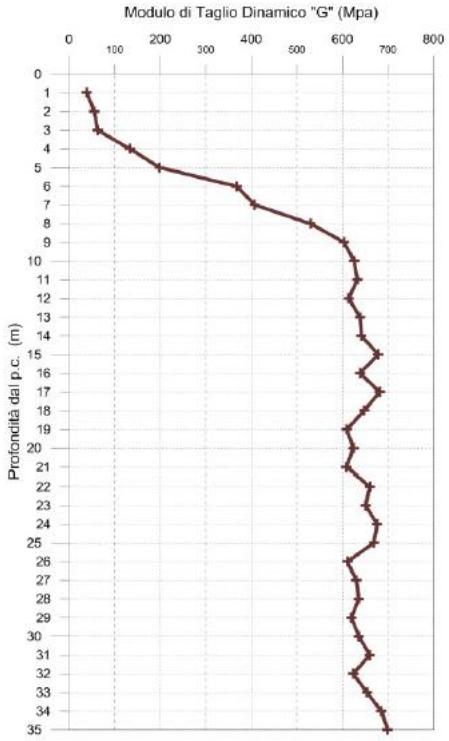
La falda è assunta alla quota di imposta della zattera di fondazione (testa palo).

Per la valutazione del modulo E_{vc} del terreno si è fatto riferimento alla seguente relazione:

$$E_{vc} = 0,80 \cdot G_0$$

dove G_0 è il modulo di taglio per piccole deformazioni stimato in base a V_s e γ_d.

Per la valutazione di G si è fatto riferimento alle risultanze dell'indagine sismica down – hole S.06DH (2019):



Sismostrato	Profondità dal p.c. (m) da	a	$(V_P)_{medio}$ m/s	$(V_S)_{medio}$ m/s
1°	1,0	3,0	309	158
2°	3,0	5,0	581	255
3°	5,0	9,0	881	452
4°	9,0	16,0	1.183	574
5°	16,0	35,0	1.393	783

Profondità (m dal p.c.)	tempi osservati t_o "P" (ms)	tempi osservati t_o "S" (ms)	tempi corretti t_c "P" (ms)	tempi corretti t_c "S" (ms)	velocità intervallo Vp (m/s)	velocità intervallo Vs (m/s)	Vp/Vs	Poisson (n)	γn gamma NATURALE	G Mpa	E Mpa	K Mpa
1	9.17	15.22	4.10	6.81	244	147	1.7	0.22	1.8	39	94	55
2	10.20	18.61	7.21	13.16	574	175	3.3	0.45	1.8	55	160	521
3	11.48	22.78	9.55	18.95	607	186	3.3	0.45	1.8	62	181	580
4	12.69	25.97	11.35	23.23	719	272	2.6	0.42	1.8	133	376	754
5	13.95	28.72	12.95	26.66	720	332	2.2	0.36	1.8	199	543	668
6	14.99	30.80	14.22	29.22	904	452	2.0	0.33	1.8	367	979	982
7	15.99	32.80	15.37	31.54	958	476	2.0	0.34	1.8	408	1089	1110
8	16.94	34.59	16.43	33.55	1018	543	1.9	0.30	1.8	530	1379	1159
9	17.88	36.24	17.45	35.38	1037	587	1.8	0.26	1.8	603	1525	1076
10	18.75	37.86	18.39	37.12	1121	607	1.8	0.29	1.7	626	1618	1301
11	19.62	39.51	19.30	38.88	1129	593	1.9	0.31	1.8	632	1656	1452
12	20.44	41.24	20.16	40.68	1201	571	2.1	0.35	1.9	613	1661	1896
13	21.20	42.87	20.95	42.38	1307	604	2.2	0.36	1.8	638	1741	2138
14	21.92	44.53	21.70	44.08	1365	597	2.3	0.38	1.8	641	1772	2499
15	22.68	46.19	22.48	45.78	1304	598	2.2	0.37	1.9	679	1855	2327
16	23.44	47.94	23.26	47.57	1305	568	2.3	0.38	2.0	638	1765	2519
17	24.18	49.59	24.01	49.25	1342	599	2.2	0.38	1.9	681	1875	2511
18	24.89	51.30	24.74	50.98	1399	584	2.4	0.39	1.9	647	1805	2858
19	25.61	53.09	25.47	52.80	1381	555	2.5	0.40	2.0	609	1711	2963
20	26.32	54.82	26.19	54.55	1401	573	2.4	0.40	1.9	624	1746	2898
21	27.06	56.58	26.93	56.33	1354	566	2.4	0.39	1.9	609	1697	2672
22	27.81	58.22	27.70	57.98	1319	609	2.2	0.36	1.8	660	1801	2216
23	28.58	59.94	28.47	59.72	1294	577	2.2	0.38	2.0	650	1789	2396
24	29.28	61.58	29.18	61.36	1423	609	2.3	0.39	1.8	676	1876	2787
25	30.00	63.26	29.90	63.06	1384	593	2.3	0.39	1.9	669	1856	2746
26	30.70	65.07	30.61	64.87	1432	551	2.6	0.41	2.0	611	1726	3306
27	31.38	66.75	31.30	66.57	1455	592	2.5	0.40	1.8	630	1765	2969
28	32.09	68.48	32.01	68.30	1410	578	2.4	0.40	1.9	635	1778	2931
29	32.77	70.22	32.69	70.06	1466	571	2.6	0.41	1.9	619	1747	3256
30	33.48	71.95	33.41	71.79	1405	578	2.4	0.40	1.9	636	1778	2904
31	34.16	73.61	34.09	73.45	1467	602	2.4	0.40	1.8	660	1845	3040
32	34.88	75.40	34.81	75.25	1386	557	2.5	0.40	2.0	623	1750	3030
33	35.59	77.10	35.52	76.96	1416	586	2.4	0.40	1.9	653	1824	2938
34	36.29	78.76	36.23	78.62	1410	602	2.3	0.39	1.9	685	1903	2843
35	36.99	80.40	36.93	80.27	1436	606	2.4	0.39	1.9	699	1944	2984

Il modulo di taglio è valutato come valore medio dei valori determinati nella prova down – hole fino alla profondità della base dei pali:

G_{medio} = 355,583 Mpa → 355.583,00 kPa

Risulta pertanto:

E_{vc} = 0,80 x 355.583,00 = 284.466,40 kPa

A favore di sicurezza è stato assunto un parametro E_{vc} ridotti, pari rispettivamente a:

E_{vc} = 30.000,00 kPa

Per la valutazione del modulo E_{ur} del terreno si è fatto riferimento alla seguente relazione:

$$E_{ur} = 3 \cdot E_{vc}$$

Risulta pertanto:

E_{ur} = 3 x 30.000,00 = 90.000,00 kPa

5.2 APPROCCIO DI CALCOLO

Le verifiche geotecniche di carico limite ultimo e di portanza laterale vengono condotte secondo l'approccio 2 previsto dal D.M.17.01.2018 "Norme Tecniche per le Costruzioni" - Combinazione A1 - M1 - R3.

Tab. 6.4.II – *Coefficienti parziali γ_R da applicare alle resistenze caratteristiche a carico verticale dei pali*

Resistenza	Simbolo	Pali infissi	Pali trivellati	Pali ad elica continua
	γ_R	(R3)	(R3)	(R3)
Base	γ_b	1,15	1,35	1,3
Laterale in compressione	γ_s	1,15	1,15	1,15
Totale (*)	γ	1,15	1,30	1,25
Laterale in trazione	γ_{st}	1,25	1,25	1,25

(*) da applicare alle resistenze caratteristiche dedotte dai risultati di prove di carico di progetto.

È stata considerata la presenza di tre verticali indagate al fine di determinare il valore dei fattori di riduzione delle resistenze caratteristiche ξ_3 e ξ_4:

Numero di verticali indagate	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

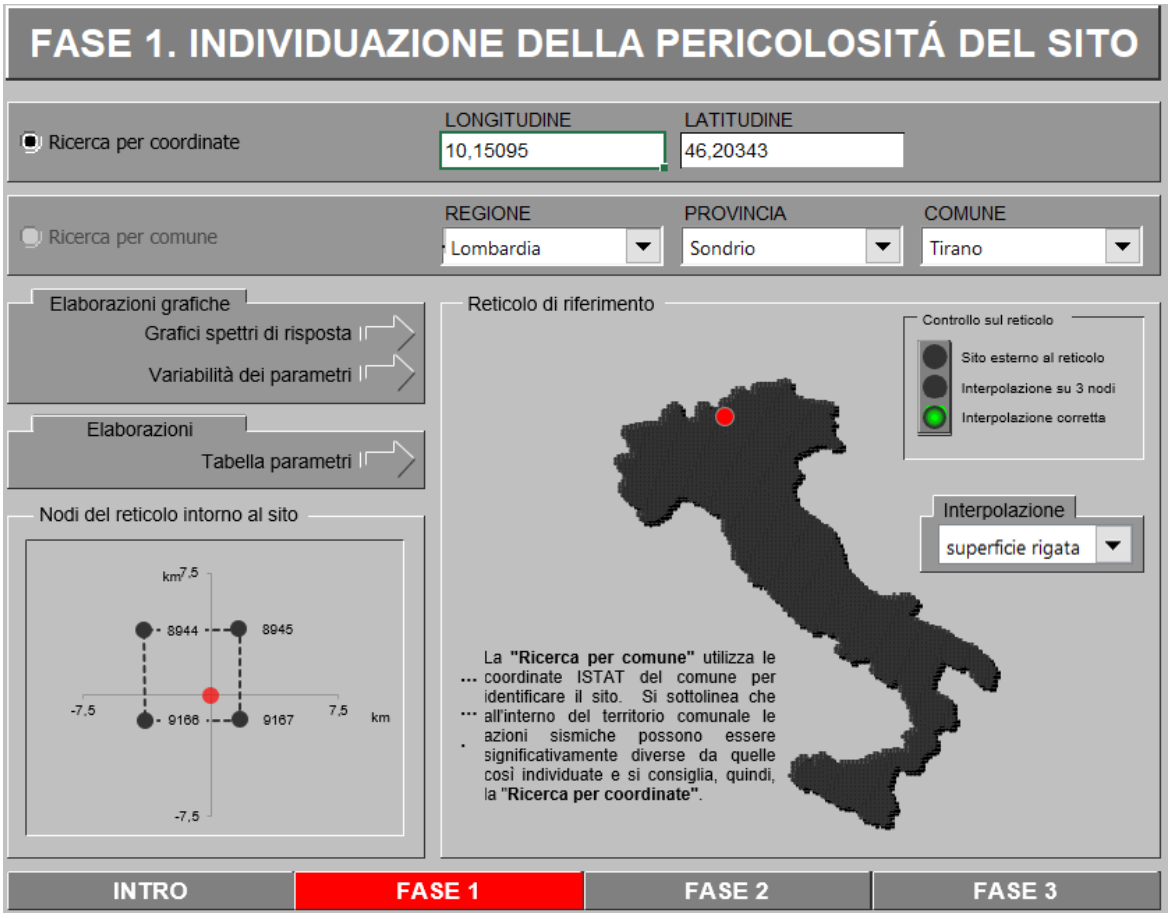
Tabella 6.4.IV – *Fattori di correlazione* ξ per *la determinazione della resistenza caratteristica in funzione del numero di verticali indagate.*

6 ZONIZZAZIONE E CARATTERIZZAZIONE SISMICA

6.1 IDENTIFICAZIONE DELLA LOCALITÀ E DEI PARAMETRI SISMICI GENERALI

Il sito è definito dalle seguenti coordinate geografiche:

- Longitudine: **10,150951**
- Latitudine: **46,203434**



6.2 DEFINIZIONE DELLA STRATEGIA PROGETTUALE

In riferimento al D.M. 17.01.2018 "Norme Tecniche per le Costruzioni", le opere sono progettate (in funzione dell'importanza strategica dell'infrastruttura) secondo i seguenti parametri:

- Vita Nominale dell'opera: **100 anni**

Tabella 2.4.I – *Vita nominale* V_N *per diversi tipi di opere*

	TIPI DI COSTRUZIONE	Vita Nominale V_N (in anni)
1	Opere provvisorie – Opere provvisionali - Strutture in fase costruttiva[1]	≤ 10
2	Opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale	≥ 50
3	Grandi opere, ponti, opere infrastrutturali e dighe di grandi dimensioni o di importanza strategica	≥ 100

- Classe d'uso dell'opera: **III**

2.4.2 CLASSI D'USO

In presenza di azioni sismiche, con riferimento alle conseguenze di una interruzione di operatività o di un eventuale collasso, le costruzioni sono suddivise in classi d'uso così definite:

Classe I: Costruzioni con presenza solo occasionale di persone, edifici agricoli.

Classe II: Costruzioni il cui uso preveda normali affollamenti, senza contenuti pericolosi per l'ambiente e senza funzioni pubbliche e sociali essenziali. Industrie con attività non pericolose per l'ambiente. Ponti, opere infrastrutturali, reti viarie non ricadenti in Classe d'uso *III* o in Classe d'uso *IV*, reti ferroviarie la cui interruzione non provochi situazioni di emergenza. Dighe il cui collasso non provochi conseguenze rilevanti.

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

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

- Coefficiente di utilizzo dell'opera: **1,50**

Tab. 2.4.II – *Valori del coefficiente d'uso* C_U

CLASSE D'USO	I	II	III	IV
COEFFICIENTE C_U	0,7	1,0	1,5	2,0

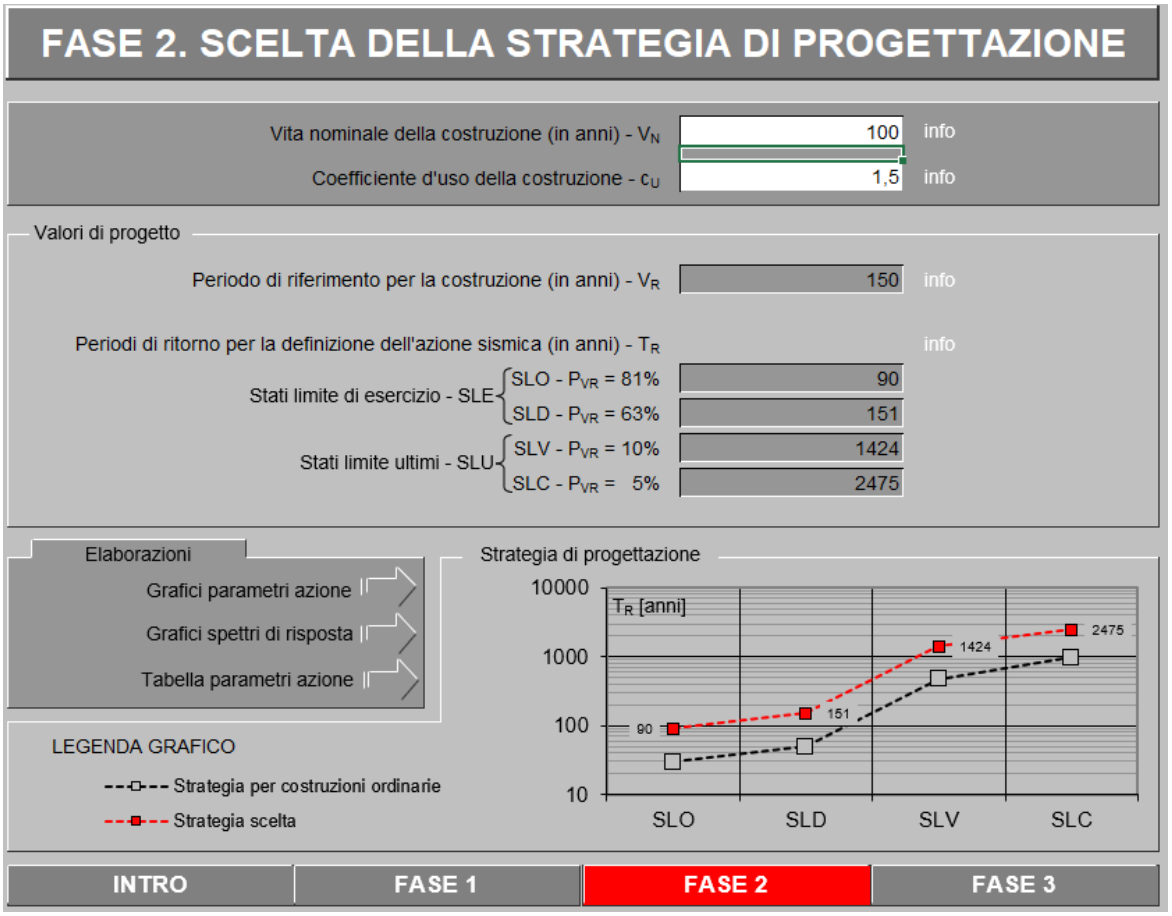
- Vita di riferimento dell'opera: **150 anni**

2.4.3 PERIODO DI RIFERIMENTO PER L'AZIONE SISMICA

Le azioni sismiche su ciascuna costruzione vengono valutate in relazione ad un periodo di riferimento V_R che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale V_N per il coefficiente d'uso C_U :

$$V_R = V_N \cdot C_U \qquad (2.4.1)$$

Qui di seguito si riporta la sintesi delle scelte progettuali adottati con i tempi di ritorno dell'azione sismica identificati in funzione del singolo stato limite.



6.3 PARAMETRI DI CALCOLO

6.3.1 PARAMETRI NUMERICI SISMICI

Sono stati definiti e utilizzati nei calcoli 3 differenti spettri di risposta di progetto:

- Spettro di progetto elastico valutato per lo Stato Limite di Salvaguardia della Vita (SLV) per la valutazione delle azioni sismiche dovute alla massa delle sottostrutture e del terreno e dei sovraccarichi direttamente gravanti su di esse.
- Spettro di progetto "smorzato" (per la presenza dell'isolamento sismico alla base dell'impalcato) valutato per lo Stato Limite di Salvaguardia della Vita (SLV) per la valutazione delle azioni sismiche dovute alla massa dell'impalcato e ai sovraccarichi su esso agenti e trasmessi dagli isolatori sismici alle sottostrutture inferiori.
- Spettro di progetto "smorzato" (per la presenza dell'isolamento sismico alla base dell'impalcato) valutato allo Stato Limite di Collasso per il dimensionamento degli isolatori sismici e la verifica dello spostamento di progetto degli stessi.

Nella tabella successiva sono riportati i parametri numerici sismici per i periodi di ritorno associati ai diversi Stati Limite:

SLATO LIMITE	T_R [anni]	a_g [g]	F_o [-]	T_C^* [s]
SLO	90	0,043	2,553	0,228
SLD	151	0,053	2,549	0,243
SLV	1424	0,115	2,600	0,286
SLC	2475	0,136	2,626	0,292

6.3.2 CATEGORIA DEI TERRENI DI FONDAZIONE E CATEGORIA TOPOGRAFICA

Ai sensi di quanto riportato nella Relazione Geotecnica e all'interno dei profili geotecnici allegati al presente progetto esecutivo il terreno di fondazione è classificato simicamente come di **categoria B**.

Tabella 3.2.II – *Categorie di sottosuolo*

Categoria	Descrizione
A	*Ammassi rocciosi affioranti o terreni molto rigidi* caratterizzati da valori di $V_{s,30}$ superiori a 800 m/s, eventualmente comprendenti in superficie uno strato di alterazione, con spessore massimo pari a 3 m.
B	*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 $c_{u,30} > 250$ kPa nei terreni a grana fina).
C	*Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente 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 180 m/s e 360 m/s (ovvero $15 < N_{SPT,30} < 50$ nei terreni a grana grossa e $70 < c_{u,30} < 250$ kPa nei terreni a grana fina).
D	*Depositi di terreni a grana grossa scarsamente addensati o di terreni a grana fina scarsamente consistenti,* con spessori superiori a 30 m, caratterizzati da un graduale miglioramento delle proprietà meccaniche con la profondità e da valori di $V_{s,30}$ inferiori a 180 m/s (ovvero $N_{SPT,30} < 15$ nei terreni a grana grossa e $c_{u,30} < 70$ kPa nei terreni a grana fina).
E	*Terreni dei sottosuoli di tipo C o D per spessore non superiore a 20 m,* posti sul substrato di riferimento (con $V_s > 800$ m/s).

6.3.3 CATEGORIA DEI TERRENI DI FONDAZIONE E CATEGORIA TOPOGRAFICA

Considerando che il territorio si presenta essenzialmente pianeggiante e privo di significati salti di quota la categoria topografica del sito è stata assunta pari a **categoria T_1**.

Tabella 3.2.IV – *Categorie topografiche*

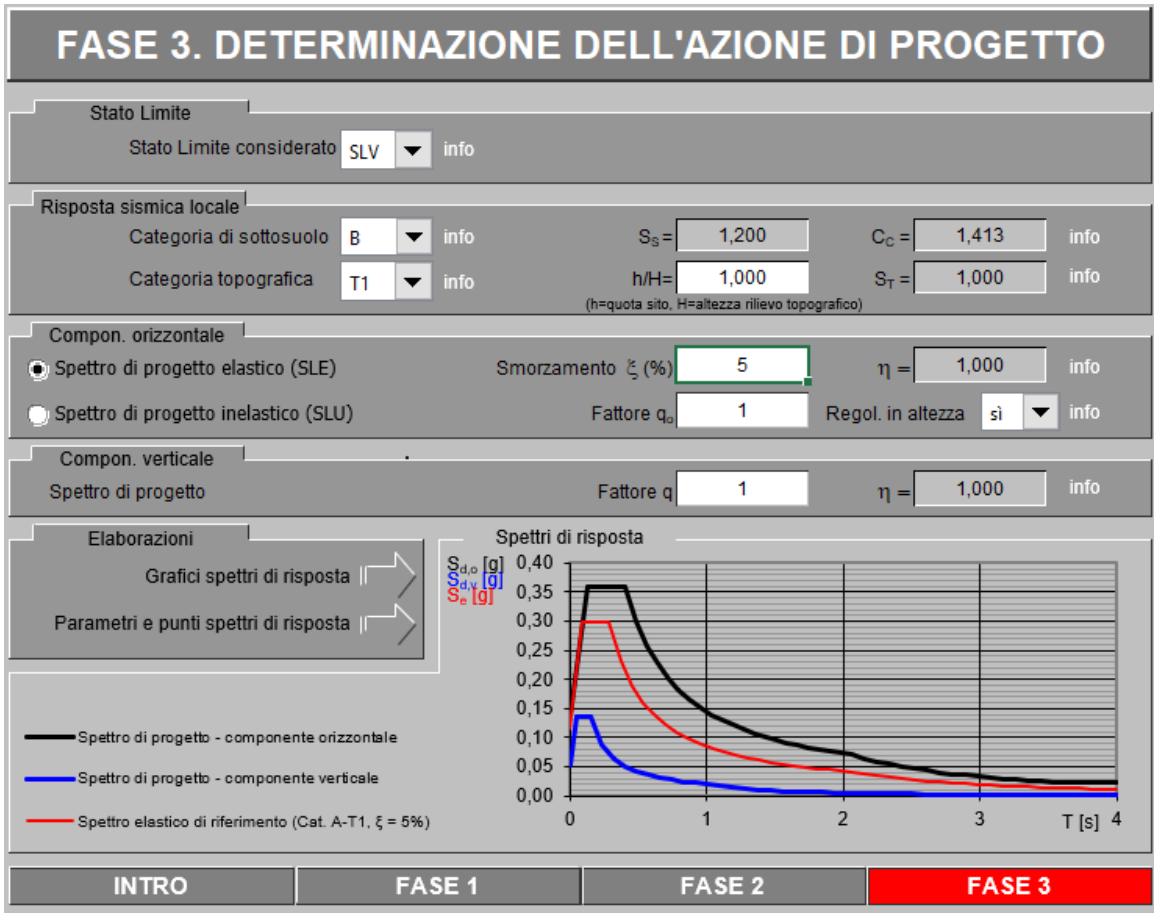
Categoria	Caratteristiche della superficie topografica
T1	Superficie pianeggiante, pendii e rilievi isolati con inclinazione media $i \leq 15°$
T2	Pendii con inclinazione media $i > 15°$
T3	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media $15° \leq i \leq 30°$
T4	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media $i > 30°$

6.3.4 FATTORI DI STRUTTURA

A favore di sicurezza il calcolo e le verifiche sono stati effettuati in campo elastico.
Il fattore di struttura è stato pertanto posto pari a **q = 1,00**.

6.4 DEFINIZIONE DELLO SPETTRO DI PROGETTO ELASTICO PER LO SLV

Nell'immagine successiva è riportata la determinazione dei parametri dello spettro di risposta elastico valutato per lo Stato Limite di Salvaguardia della Vita (SLV):



Nella tabella successiva sono riportati analiticamente i parametri sismici ed i valori delle accelerazioni normalizzate in funzione del periodo di vibrazione:

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

Parametri indipendenti

STATO LIMITE	SLV
a_g	0,115 g
F_o	2,600
T_C^*	0,286 s
S_S	1,200
C_C	1,413
S_T	1,000
q	1,000

Parametri dipendenti

S	1,200
η	1,000
T_B	0,135 s
T_C	0,405 s
T_D	2,060 s

Espressioni dei parametri dipendenti

$S = S_S \cdot S_T$ (NTC-08 Eq. 3.2.5)

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

$T_B = T_C / 3$ (NTC-07 Eq. 3.2.8)

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

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

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

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

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

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

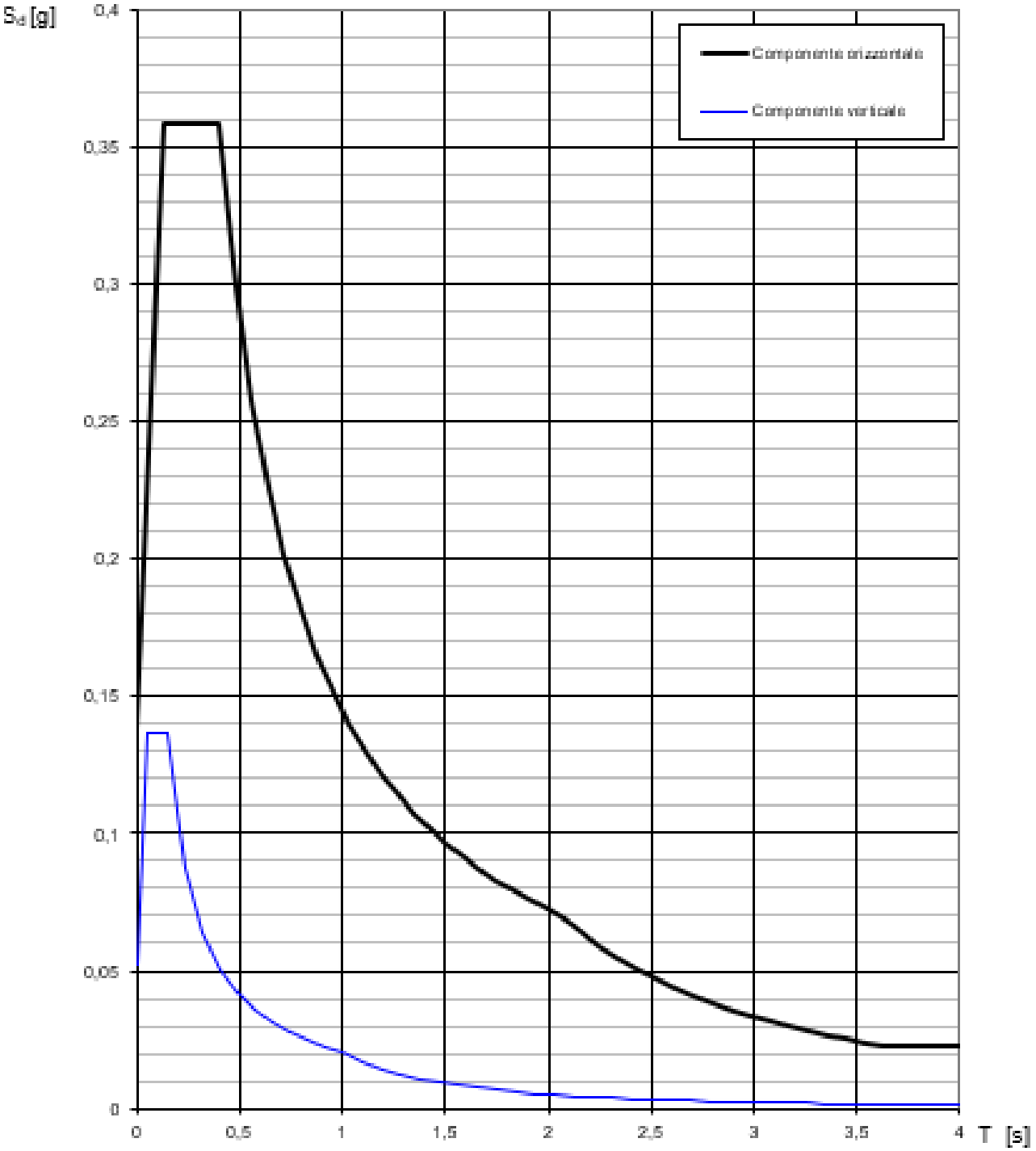
$$T_D \leq T \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C T_D}{T^2}\right)$$

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]
	0,000	0,138
T_B	0,135	0,359
T_C	0,405	0,359
	0,483	0,300
	0,562	0,258
	0,641	0,226
	0,720	0,201
	0,799	0,182
	0,877	0,165
	0,956	0,152
	1,035	0,140
	1,114	0,130
	1,193	0,122
	1,271	0,114
	1,350	0,107
	1,429	0,101
	1,508	0,096
	1,587	0,091
	1,666	0,087
	1,744	0,083
	1,823	0,080
	1,902	0,076
	1,981	0,073
T_D	2,060	0,070
	2,152	0,065
	2,244	0,059
	2,337	0,055
	2,429	0,051
	2,522	0,047
	2,614	0,044
	2,706	0,041
	2,799	0,038
	2,891	0,036
	2,984	0,034
	3,076	0,032
	3,168	0,030
	3,261	0,028
	3,353	0,027
	3,446	0,025
	3,538	0,024
	3,630	0,023
	3,723	0,023
	3,815	0,023
	3,908	0,023
	4,000	0,023

Nell'immagine successiva è riportato il diagramma dello spettro di risposta per lo Stato Limite di Salvaguardia della Vita:



7 ANALISI DEI CARICHI

7.1 PESO PROPRIO DELLE STRUTTURE IN CEMENTO ARMATO

7.1.1 STRUTTURE IN CALCESTRUZZO ARMATO

Il peso per unità di volume del cemento armato è assunto pari a **25,00 kN/m³**.

7.1.2 STRUTTURE IN CARPENTERIA METALLICA

Il peso per unità di volume dell'acciaio da carpenteria è assunto pari a **78,50 kN/m³**.

7.2 SPINTA LATERALE DEI TERRENI A TERGO DELLE PARATIE

La spinta dei terreni a tergo delle paratie è valutata in condizioni di equilibrio limite attivo dei terreni.

La spinta attiva dei terreni viene pertanto valutata mediante la seguente relazione:

$$S_t = \frac{1}{2} \cdot \gamma \cdot k_a \cdot H^2$$

dove:

- γ è il peso per unità di volume del terreno
- k_a è il coefficiente di spinta attiva, valutato mediante la formulazione di Coulomb:

$$k_a = \frac{sen^2(\beta + \varphi)}{sen^2\beta \cdot sen(\beta - \delta) \cdot \left[1 + \sqrt{\frac{sen(\varphi + \delta) \cdot sen(\varphi - \varepsilon)}{sen(\beta - \delta) \cdot sen(\beta + \varepsilon)}}\right]}$$

con:

- φ = angolo di attrito interno
- β = inclinazione del paramento di monte rispetto all'orizzontale
- δ = angolo di attrito terra – muro
- ε = inclinazione del terreno di monte rispetto all'orizzontale

- H è l'altezza complessiva dello strato di terreno.

7.3 SPINTA DEI SOVRACCARICHI ACCIDENTALI A TERGO DELLE PARATIE

La spinta sovraccarichi accidentali a tergo delle paratie è valutata in condizioni di equilibrio limite attivo dei terreni.

La spinta attiva dei sovraccarichi accidentali viene pertanto valutata mediante la seguente relazione:

$$S_q = q \cdot k_a \cdot H$$

dove:

- q è l'entità del sovraccarico accidentale a tergo delle paratie
- k_a è il coefficiente di spinta attiva, valutato mediante la formulazione di Coulomb:

$$k_a = \frac{sen^2(\beta + \varphi)}{sen^2\beta \cdot sen(\beta - \delta) \cdot \left[1 + \sqrt{\frac{sen(\varphi + \delta) \cdot sen(\varphi - \varepsilon)}{sen(\beta - \delta) \cdot sen(\beta + \varepsilon)}}\right]}$$

con:

- φ = angolo di attrito interno
- β = inclinazione del paramento di monte rispetto all'orizzontale
- δ = angolo di attrito terra – muro
- ε = inclinazione del terreno di monte rispetto all'orizzontale

- H è l'altezza complessiva dello strato di terreno.

Per le paratie di micropali a protezione degli scavi per la realizzazione delle opere di fondazione delle nuove sottostrutture verrà considerato forfettariamente un sovraccarico accidentale pari a **q = 10,00 kN/m²** per tener conto dell'eventuale presenza di mezzi d'opera.

7.4 AZIONE SISMICA

Trattandosi di opere provvisorie a carattere provvisionale l'azione sismica non verrà tenuta in considerazione.

8 COMBINAZIONI DI CARICO

8.1 COMBINAZIONI DI CARICO STATICHE

8.1.1 COMBINAZIONI DI CARICO ALLO STATO LIMITE DI ESERCIZIO – COMBINAZIONI QUASI PERMANENTI

Per le combinazioni di carico statiche relative alla struttura in oggetto si è fatto riferimento a quanto riportato nel capitolo nel D.M. 17.01.2018 "Norme Tecniche per le Costruzioni", par. 2.5.3.

Sulla base di ciò sono state individuate le combinazioni di carico statiche quasi permanenti allo Stato Limite di Esercizio, ottenute tramite la relazione generale:

$$F_d = \sum G_{kj} + \sum (\psi_{2i} \cdot Q_{ki})$$

- G_{kj} rappresenta il valore caratteristico della j-esima azione permanente
- Q_{ki} rappresenta il valore caratteristico della i-esima azione variabile
- Ψ_{2i} rappresentano i coefficienti di combinazione per tener conto della ridotta probabilità di concomitanza delle azioni variabili con i loro valori quasi permanenti

8.1.2 COMBINAZIONI DI CARICO ALLO STATO LIMITE DI ESERCIZIO – COMBINAZIONI FREQUENTI

Per le combinazioni di carico statiche relative alla struttura in oggetto si è fatto riferimento a quanto riportato nel capitolo nel D.M. 17.01.2018 "Norme Tecniche per le Costruzioni", par. 2.5.3.

Sulla base di ciò sono state individuate le combinazioni di carico statiche frequenti allo Stato Limite di Esercizio, ottenute tramite la relazione generale:

$$F_d = \sum G_{kj} + \psi_{11} \cdot Q_{k1} + \sum (\psi_{2i} \cdot Q_{ki})$$

- G_{kj} rappresenta il valore caratteristico della j-esima azione permanente
- Q_{k1} rappresenta il valore caratteristico dell'azione variabile di base in ogni combinazione
- Q_{ki} rappresenta il valore caratteristico della i-esima azione variabile
- Ψ_{1i} rappresentano i coefficienti di combinazione per tener conto della ridotta probabilità di concomitanza delle azioni variabili con i loro valori frequenti

8.1.3 COMBINAZIONI DI CARICO ALLO STATO LIMITE DI ESERCIZIO – COMBINAZIONI CARATTERISTICHE

Per le combinazioni di carico statiche relative alla struttura in oggetto si è fatto riferimento a quanto riportato nel capitolo nel D.M. 17.01.2018 "Norme Tecniche per le Costruzioni" par. 2.5.3.

Sulla base di ciò sono state individuate le combinazioni di carico statiche caratteristiche allo Stato Limite di Esercizio, ottenute tramite la relazione generale:

$$F_d = \sum G_{kj} + Q_{k1} + \sum (\psi_{0i} \cdot Q_{ki})$$

- G_{kj} rappresenta il valore caratteristico della j-esima azione permanente
- Q_{k1} rappresenta il valore caratteristico dell'azione variabile di base in ogni combinazione
- Q_{ki} rappresenta il valore caratteristico della i-esima azione variabile
- Ψ_{0i} rappresentano i coefficienti di combinazione per tener conto della ridotta probabilità di concomitanza delle azioni variabili con i loro valori caratteristici

8.1.4 COMBINAZIONI DI CARICO ALLO STATO LIMITE ULTIMO

Per le combinazioni di carico statiche relative alla struttura in oggetto si è fatto riferimento a quanto riportato nel capitolo nel D.M. 17.01.2018 "Norme Tecniche per le Costruzioni", par. 2.5.3.

Sulla base di ciò sono state individuate le combinazioni di carico statiche allo Stato Limite Ultimo, ottenute tramite la relazione generale:

$$F_d = \sum_{j=1}^{m} \left(\gamma_{Gj} \cdot G_{kj} \right) + \gamma_{Q1} \cdot Q_{k1} + \sum_{i=2}^{n} \left(\psi_{0i} \cdot \gamma_{Qi} \cdot Q_{ki} \right)$$

dove:

- γ_G e γ_Q rappresentano i coefficienti parziali di amplificazione dei carichi
- G_{kj} rappresenta il valore caratteristico della j-esima azione permanente
- Q_{k1} rappresenta il valore caratteristico dell'azione variabile di base in ogni combinazione
- Q_{ki} rappresenta il valore caratteristico della i-esima azione variabile
- Ψ_{0i} rappresentano i coefficienti di combinazione per tener conto della ridotta probabilità di concomitanza delle azioni variabili con i loro valori caratteristici

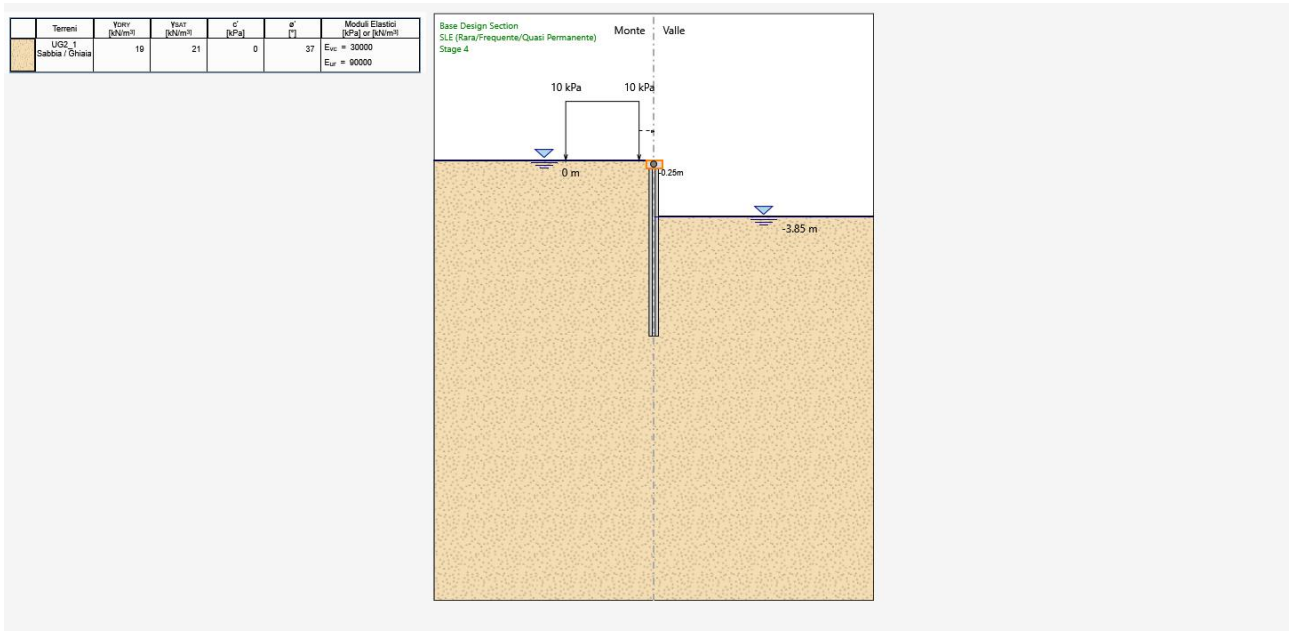
9 PARATIA DI MICROPALI Ø220 – MODELLO DI CALCOLO E VALUTAZIONE DELLE AZIONI SOLLECITANTI

9.1 MODELLO DI CALCOLO

Al fine della valutazione delle azioni sollecitanti è stato approntato un apposito modello di calcolo mediante il software **Paratie Plus 2018** (CeAS).

Nel modello di calcolo è stato valutato il comportamento di una paratia di micropali **Ø220** disposti a quinconce con interasse longitudinale pari a **80 cm** e interasse trasversale pari a **40 cm**, di lunghezza pari a **12,0 m**. La paratia è sormontata da un cordolo di testa a sezione rettangolare **90 x 50 cm**. L'armatura dei micropali è costituita da una camicia metallica **Ø168,3** di spessore pari a **12 mm**.

Nell'immagine successiva è riportata la fase finale del modello:

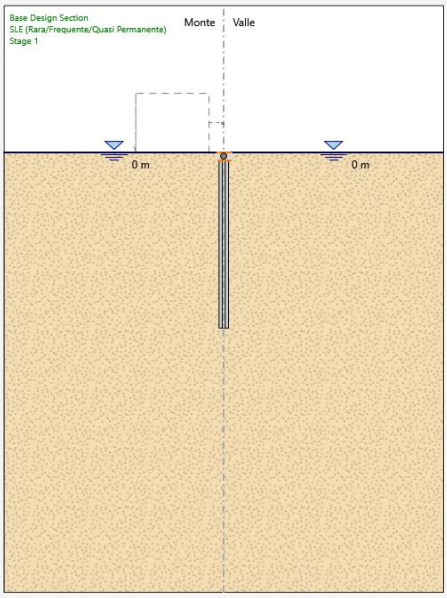


9.2 FASI DI REALIZZAZIONE

FASE 1 (geostatica)

- Esecuzione dei micropali Ø220
- Falda a monte e falda a valle a piano campagna

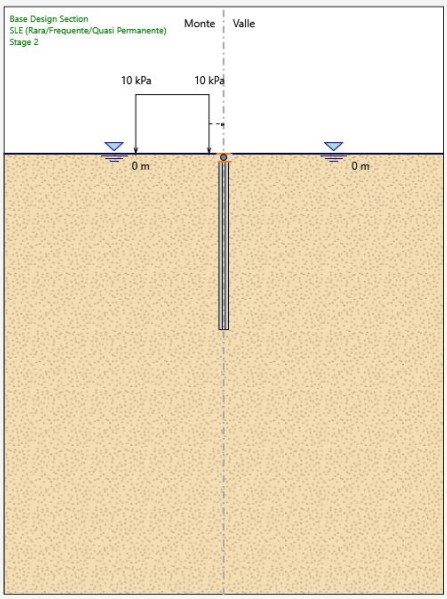
	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	Evc = 30000 Eur = 90000



FASE 2

- Applicazione del sovraccarico accidentale a tergo della paratia
- Falda a monte e falda a valle a piano campagna

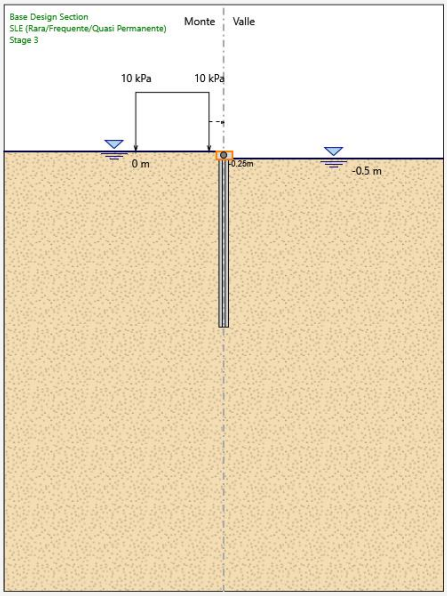
	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	Evc = 30000 Eur = 90000



FASE 3

- Scavo fino a quota -0,50 m dal piano di campagna e realizzazione del cordolo di testa
- Falda a monte a piano campagna e falda a valle a quota -0,50 m rispetto al piano campagna

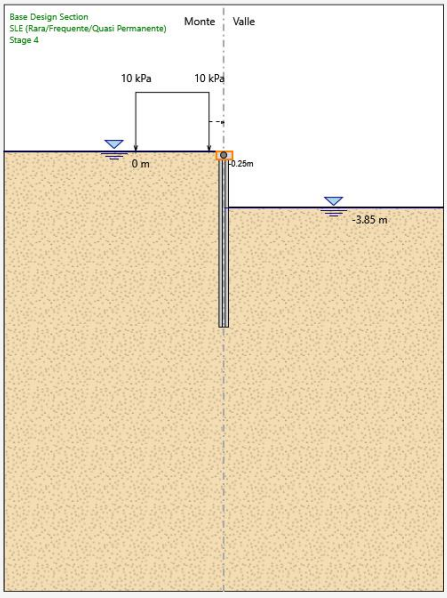
	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	Evc = 30000 Eur = 90000



FASE 4

- Scavo fino a quota -3,85 m dal piano di campagna
- Falda a monte a piano campagna e falda a valle a quota -3,85 m rispetto al piano campagna

	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	Evc = 30000 Eur = 90000

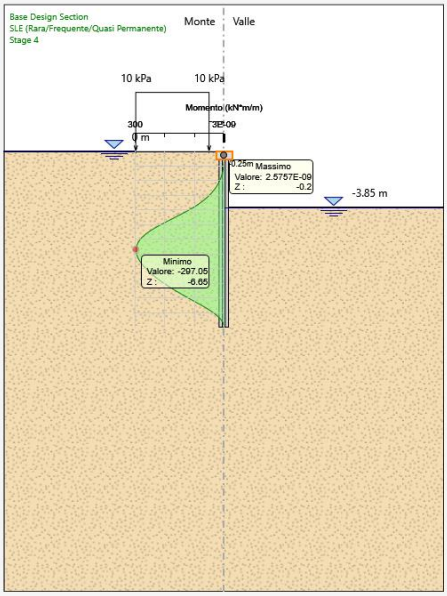


9.3 VALUTAZIONE DELLE AZIONI SOLLECITANTI SULLA PARATIA DI MICROPALI Ø220

9.3.1 COMBINAZIONE SLE – CARATTERISTICA

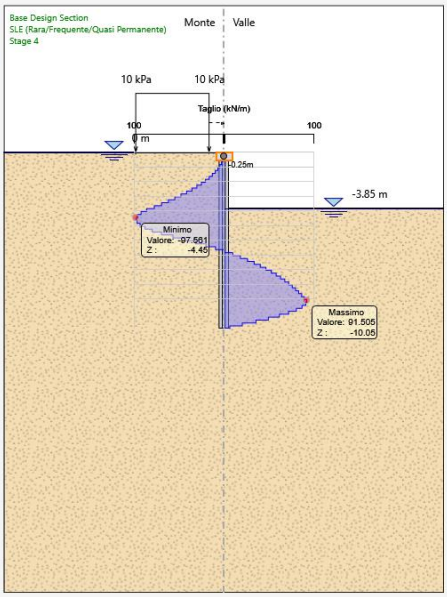
Nel diagramma successivo è riportato l'andamento dell'inviluppo del momento flettente risultante, valutato per una larghezza unitaria di paratia:

	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{inc} = 30000 E_{ur} = 90000



Nel diagramma successivo è riportato l'andamento dell'inviluppo dell'azione tagliante, valutato per una larghezza unitaria di paratia:

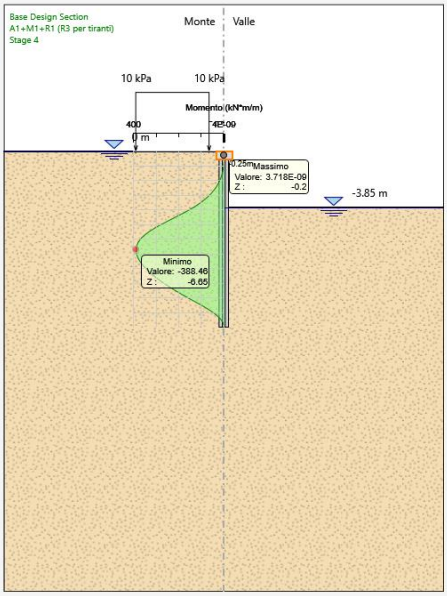
	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{inc} = 30000 E_{ur} = 90000



9.3.2 COMBINAZIONE SLU – STR

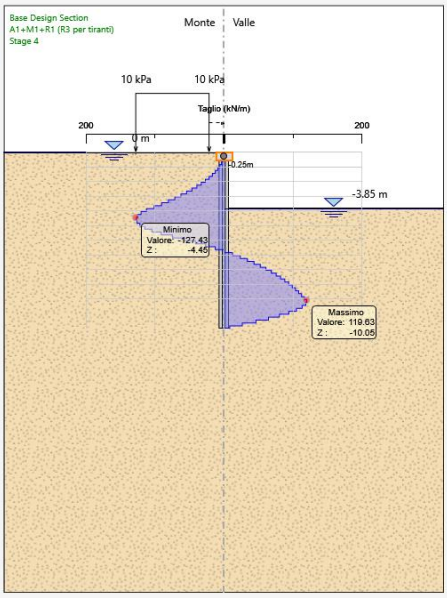
Nel diagramma successivo è riportato l'andamento dell'inviluppo del momento flettente risultante, valutato per una larghezza unitaria di paratia:

	Terreni	γ_{DRY} [kN/m³]	γ_{SAT} [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m³]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{VC} = 30000 E_{UF} = 90000



Nel diagramma successivo è riportato l'andamento dell'inviluppo dell'azione tagliante, valutato per una larghezza unitaria di paratia:

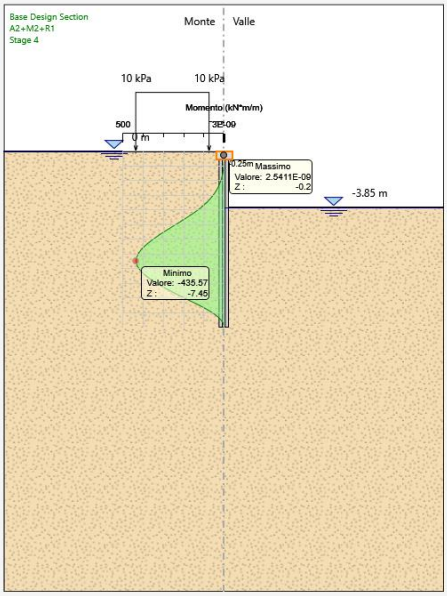
	Terreni	γ_{DRY} [kN/m³]	γ_{SAT} [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m³]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{VC} = 30000 E_{UF} = 90000



9.3.3 COMBINAZIONE SLU – GEO

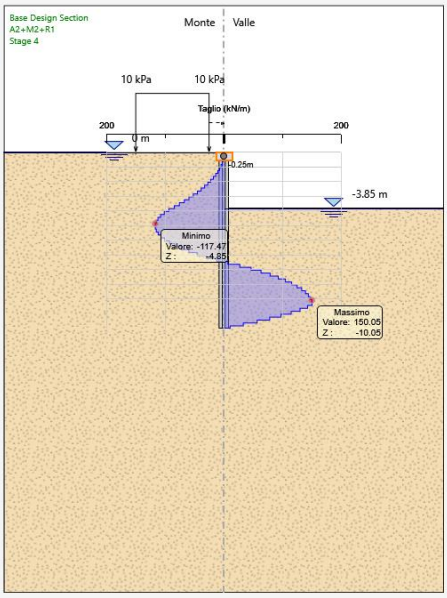
Nel diagramma successivo è riportato l'andamento dell'inviluppo del momento flettente risultante, valutato per una larghezza unitaria di paratia:

	Terreni	γ_{DRY} [kN/m³]	γ_{SAT} [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m³]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{VC} = 30000 E_{UF} = 90000



Nel diagramma successivo è riportato l'andamento dell'inviluppo dell'azione tagliante, valutato per una larghezza unitaria di paratia:

	Terreni	γ_{DRY} [kN/m³]	γ_{SAT} [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m³]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{VC} = 30000 E_{UF} = 90000

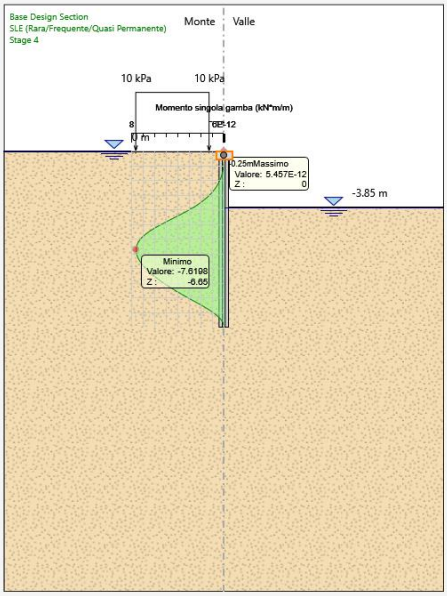


9.4 VALUTAZIONE DELLE AZIONI SOLLECITANTI SULLA PARATIA DI MICROPALI Ø220

9.4.1 COMBINAZIONE SLE – CARATTERISTICA

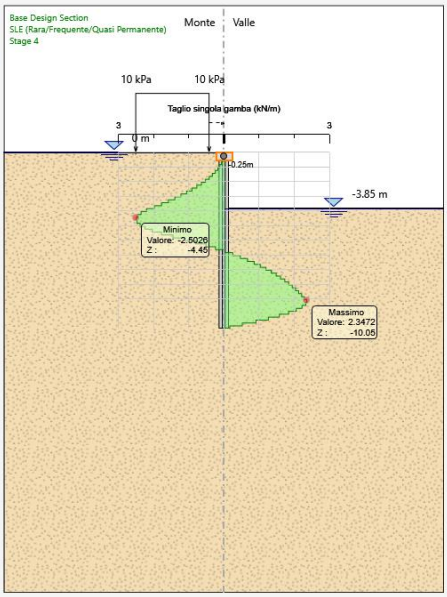
Nel diagramma successivo è riportato l'andamento dell'inviluppo del momento flettente sulla singola gamba:

	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{inc} = 30000 E_{ur} = 90000



Nel diagramma successivo è riportato l'andamento dell'inviluppo dell'azione tagliante sulla singola gamba:

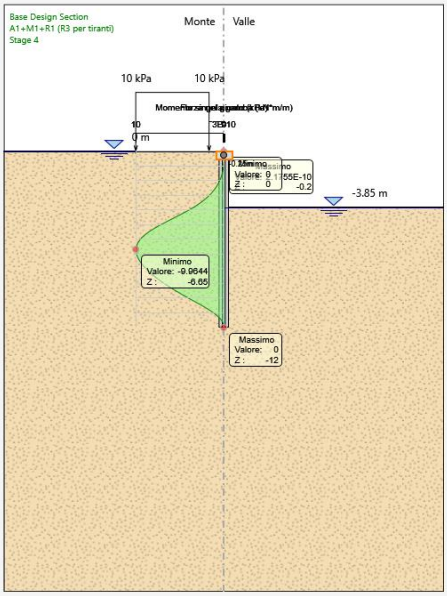
	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m²]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{inc} = 30000 E_{ur} = 90000



9.4.2 COMBINAZIONE SLU – STR

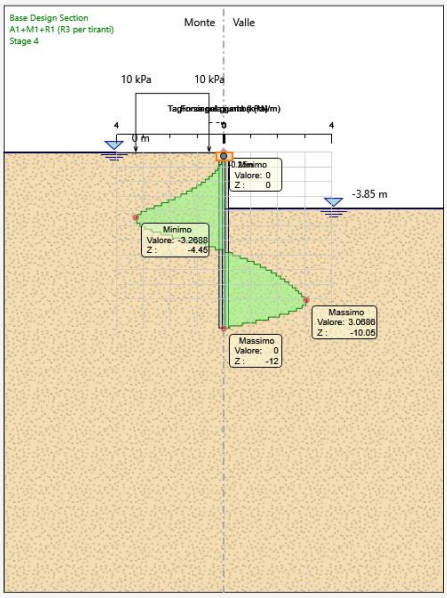
Nel diagramma successivo è riportato l'andamento dell'inviluppo del momento flettente sulla singola gamba:

	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m³]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{VC} = 30000 E_{UR} = 90000



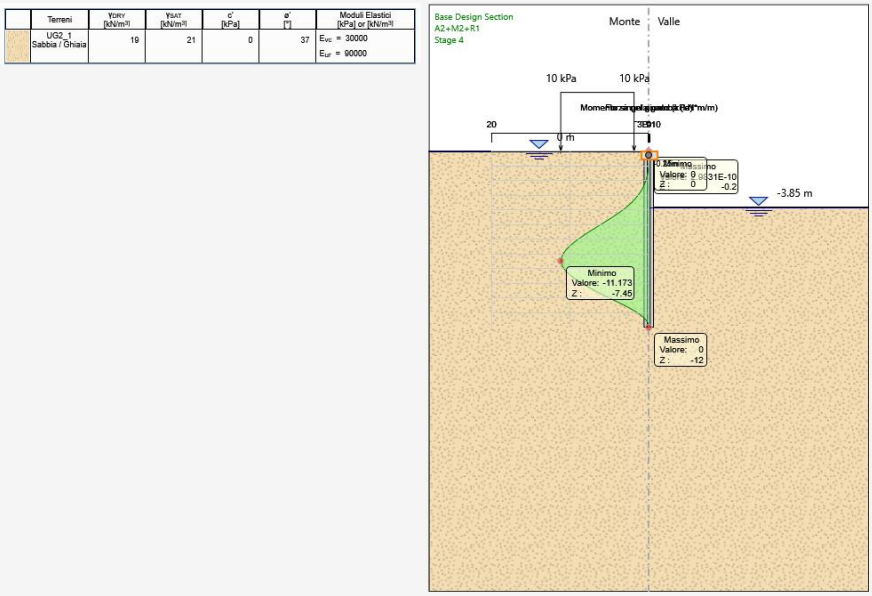
Nel diagramma successivo è riportato l'andamento dell'inviluppo dell'azione tagliante sulla singola gamba:

	Terreni	γDRY [kN/m³]	γSAT [kN/m³]	c' [kPa]	φ' [°]	Moduli Elastici [kPa] or [kN/m³]
	UG2_1 Sabbia / Ghiaia	19	21	0	37	E_{VC} = 30000 E_{UR} = 90000

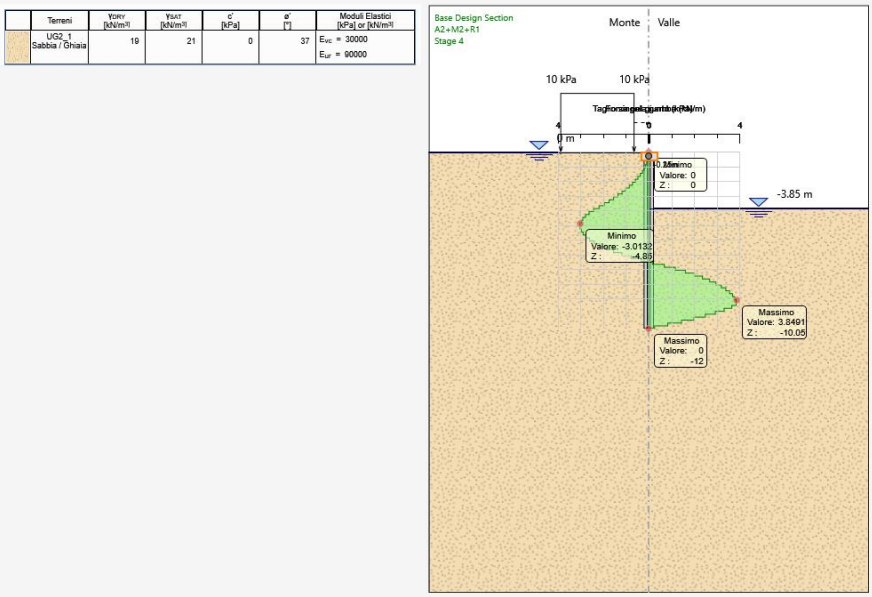


9.4.3 COMBINAZIONE SLU – GEO

Nel diagramma successivo è riportato l'andamento dell'inviluppo del momento flettente sulla singola gamba:



Nel diagramma successivo è riportato l'andamento dell'inviluppo dell'azione tagliante sulla singola gamba:



10 PARATIA DI MICROPALI Ø220 – VERIFICA STRUTTURALE

VERIFICA STRUTTURALE DELL'ELEMENTO TUBOLARE

1. Dimensioni commerciali del tubolare

Diametro commerciale della camicia metallica (mm):	168,30
Spessore commerciale della camicia metallica (mm):	12,00

2. Caratteristiche dei materiali

Tipologi dell'acciaio:	S355JR
Tensione caratteristica di rottura (N/mm^2):	510,00
Tensione caratteristica di snervamento (N/mm^2):	355,00
Tensione di snervamento di calcolo (N/mm^2):	338,10

3. Caratteristiche geometriche e inerziali

Area della sezione trasversale dell'elemento tubolare (mm^2):	5.892,37
Momento di inerzia della sezione trasversale dell'elemento tubolare (mm^4):	18.099.662,85
Modulo di resistenza della sezione trasversale dell'elemento tubolare (mm^3):	215.088,09

5. Azioni sollecitanti di calcolo

Coefficiente di amplificazione per i carichi permanenti:	1,00
Coefficiente di amplificazione per i carichi accidentali:	1,00
Azione normale di calcolo (kN):	0,00
Momento flettente di calcolo (kNm):	11,17
Azione tagliante permanente caratteristica (kN):	3,85

6. Verifica allo Stato Limite Ultimo per pressoflessione (elastica)

Per la verifica allo SLU per pressoflessione (elastica) viene utilizzata la seguente relazione:

$$\sigma = \frac{N_{S,d}}{A} + \frac{M_{S,d}}{W} \leq f_{y,d}$$

Tensione normale massima sulla sezione:	51,93

VERIFICA POSITIVA

Coefficiente di sicurezza:	6,51

8. Verifica allo Stato Limite Ultimo per taglio

Per la verifica allo SLU per taglio viene utilizzata la seguente relazione:

$$\tau = \frac{2 \cdot V_{S,d}}{A} \leq \frac{f_{y,d}}{\sqrt{3}}$$

Tensione tangenziale massima sulla sezione:	1,31

VERIFICA POSITIVA

Coefficiente di sicurezza:	149,37

9. Verifica allo Stato Limite Ultimo per stati pluriassiali di tensione

Per la verifica allo SLU per stati pluriassiali di tensione viene utilizzata la seguente relazione:

$$\sigma_{id} = \sqrt{\sigma^2 + 3 \cdot \tau^2} \leq f_{y,d}$$

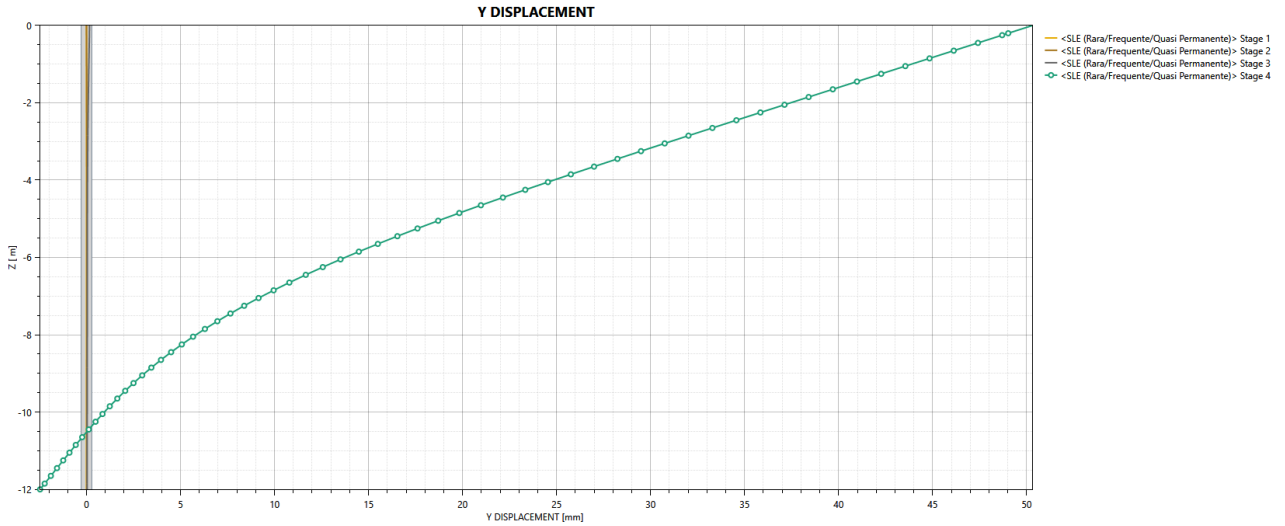
Tensione ideale sulla sezione:	51,98

VERIFICA POSITIVA

Coefficiente di sicurezza:	6,50

11 PARATIA DI PALI - VERIFICA DELLO SPOSTAMENTO MASSIMO IN ESERCIZIO

Nel diagramma successivo è riportato l'andamento dello spostamento massimo in esercizio della paratia:



Lo spostamento massimo in esercizio in testa della paratia è stato determinato pari a **50,307 mm**.
Lo spostamento risulta inferiore ai limiti di normativa:

d_{max} = 50,307 mm < d_{lim} = 0,005 x 12.000,00 = 60,00 mm

12 VERIFICA DI STABILITÀ ALLA ROTAZIONE

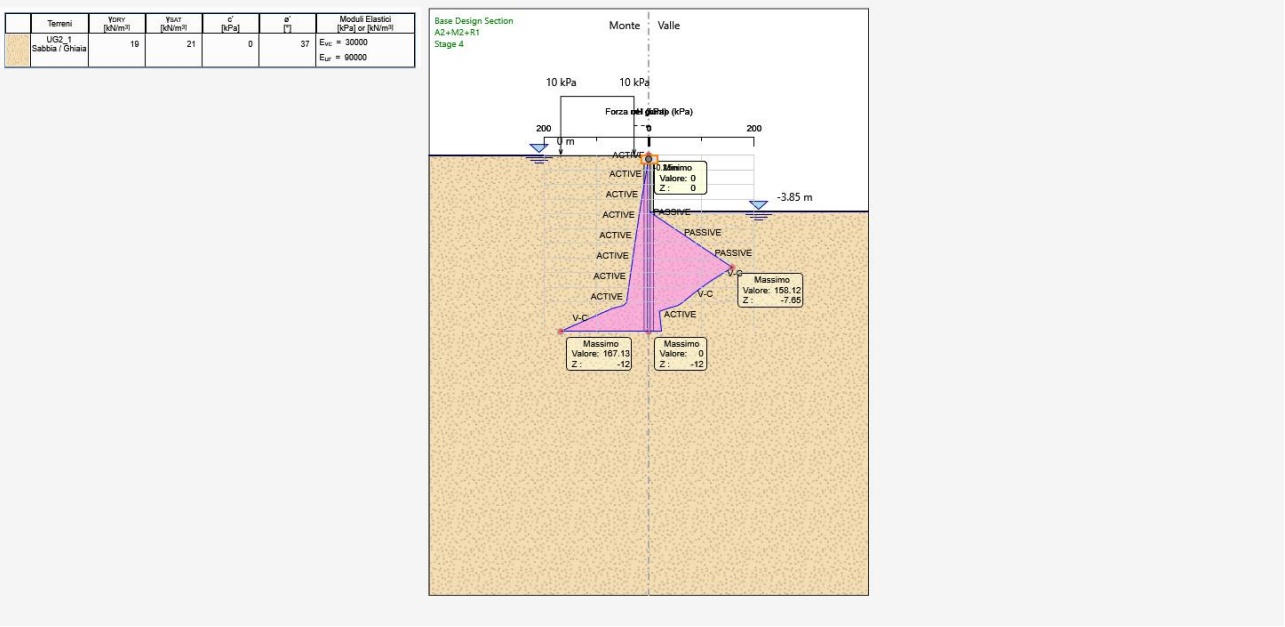
La verifica di stabilità della paratia è effettuata considerando il rispetto dei due seguenti criteri:

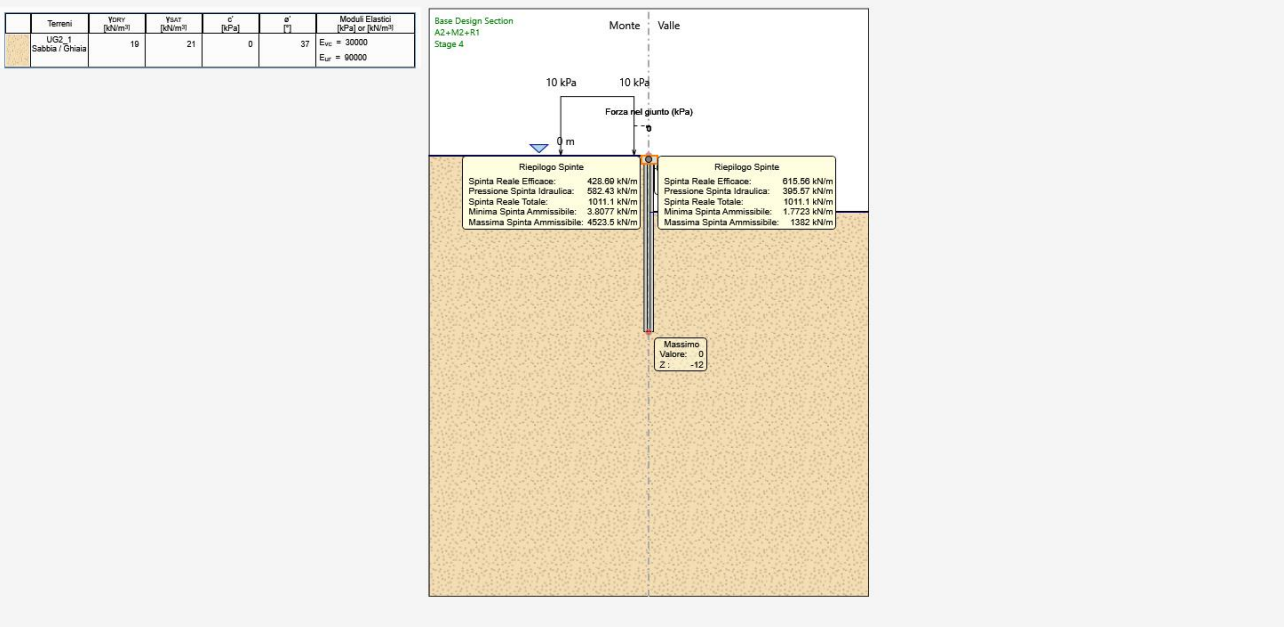
1) Il calcolo non lineare della paratia deve convergere a una soluzione equilibrata e congruente

2) Sul lato di scavo (valle) la spinta efficace mobilitata deve essere minore della spinta passiva disponibile, quindi il loro rapporto deve essere ≤ 1.

12.1 COMBINAZIONE SLU - GEO

Di seguito è riportato l'andamento delle spinte in fase finale a valle e a monte della paratia:





Dall'esame dei tabulati di calcolo si desume:

1) Il calcolo non lineare converge a una soluzione equilibrata per tutte le fasi di calcolo

2) Il rapporto tra la spinta passiva possibile e la spinta mobilitata assume il minimo nello stage 5 (con sovraccarichi) con il valore:

$$\frac{\text{Spinta reale totale}}{\text{Spinta passiva possibile}} = \frac{1.011{,}10}{1.382{,}00} = 0{,}73 < 1{,}00 \rightarrow \textbf{VERIFICATO}$$

13 TABULATI DI CALCOLO

PARATIE plus™ by CeAS

Report di Calcolo

Descrizione del Software

ParatiePlus analizza il comportamento meccanico di una struttura di sostegno flessibile di uno scavo in terreno o roccia, ponendo l'accento sull'aspetto dell'interazione "locale" fra parete e terreno.

ParatiePlus non permette lo studio di problematiche che coinvolgano un movimento esteso del versante di scavo, in quanto ParatiePlus non consente lo sviluppo di movimenti rigidi della parete o parti di ammasso rispetto ad altre parti di terreno.

Scopo precipuo di ParatiePlus è quindi il calcolo delle azioni flettenti e taglianti e delle deformazioni laterali della parete di sostegno, e la valutazione di tutte quelle grandezze a queste connesse.

Lo studio di una parete flessibile è condotto attraverso una simulazione numerica del reale: il programma stabilisce e risolve un sistema di equazioni algebriche la cui soluzione permette di riprodurre abbastanza realisticamente l'effettivo comportamento dell'opera di sostegno.

La simulazione numerica è quella offerta dal metodo degli elementi finiti.

La schematizzazione in elementi finiti avviene in questo modo:

- si analizza un problema piano (nel piano Y-Z): i gradi di libertà nodali attivi sono lo spostamento laterale e la rotazione fuori piano: gli spostamenti verticali sono automaticamente vincolati(di conseguenza le azioni assiali nelle pareti verticali non sono calcolate);
- la parete flessibile di sostegno vera e propria è schematizzata da una serie di elementi finiti BEAM verticali;
- il terreno, che spinge contro la parete (da monte e da valle) e che reagisce in modo complesso alle deformazioni della parete, è simulato attraverso un doppio letto di molle elasto-plastiche connesse agli stessi nodi della parete;
- i tiranti, i puntoni, le solette, gli appoggi cedevoli o fissi, sono schematizzati tramite molle puntuali convergenti in alcuni punti (nodi) della parete ove convergono parimenti elementi BEAM ed elementi terreno.

Descrizione della Stratigrafia e degli Strati di Terreno

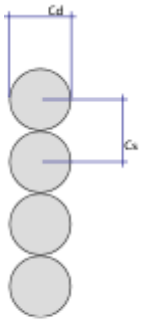
Tipo : HORIZONTAL
Quota : 0 m
OCR : 1

Strato di Terreno	Terreno	γ dry kN/m³	γ sat kN/m³	ø' °	øcv °	øp °	c' kPa	Su kPa	Modulo Elastico	Eu	Evc kPa	Eur kPa	Ah	Av	exp	Pa kPa	Rur/Rvc	Rvc kPa	Ku kN/m³	Kvc kN/m³	Kur kN/m³
1	UG2_1	19	21	37			0		Constant		30000	90000									

Descrizione Pareti

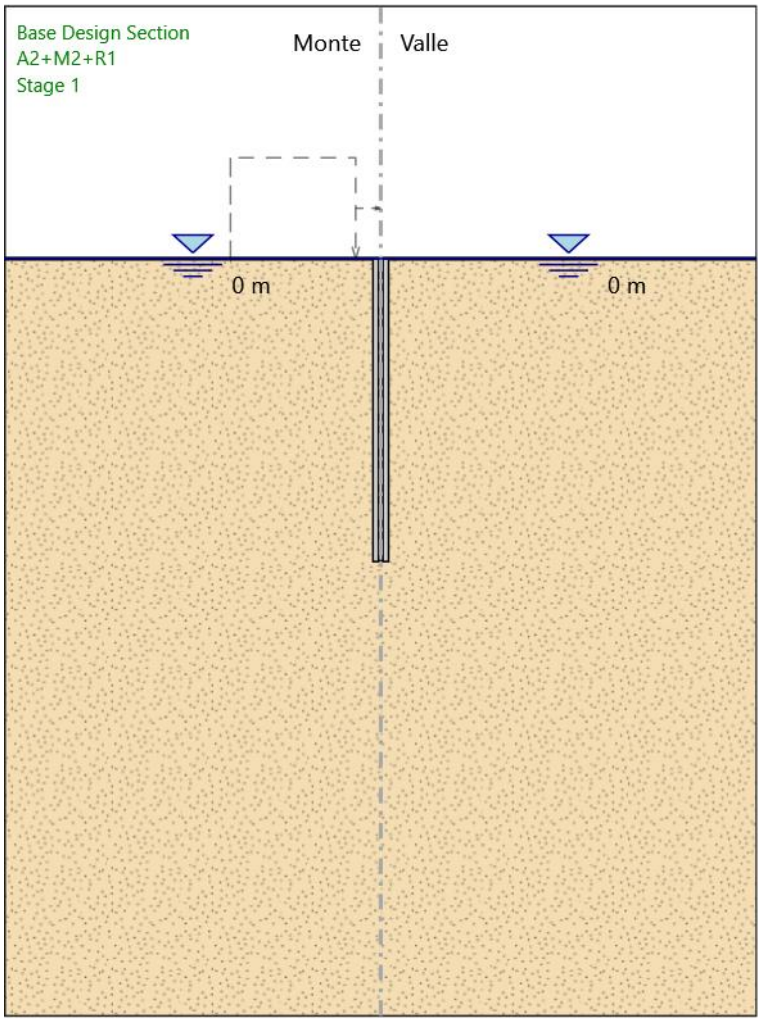
X : 0 m
Quota in alto : 0 m
Quota di fondo : -12 m
Muro di sinistra

Sezione : PALI 600
Area equivalente : 0.471238898038469 m
Inerzia equivalente : 0.0106 m^4/m
Materiale calcestruzzo : C25/30
Tipo sezione : Tangent
Spaziatura : 0.6 m
Diametro : 0.6 m
Efficacia : 1



Fasi di Calcolo

Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

0 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : 0 m

Elementi strutturali

Paratia : WallElement

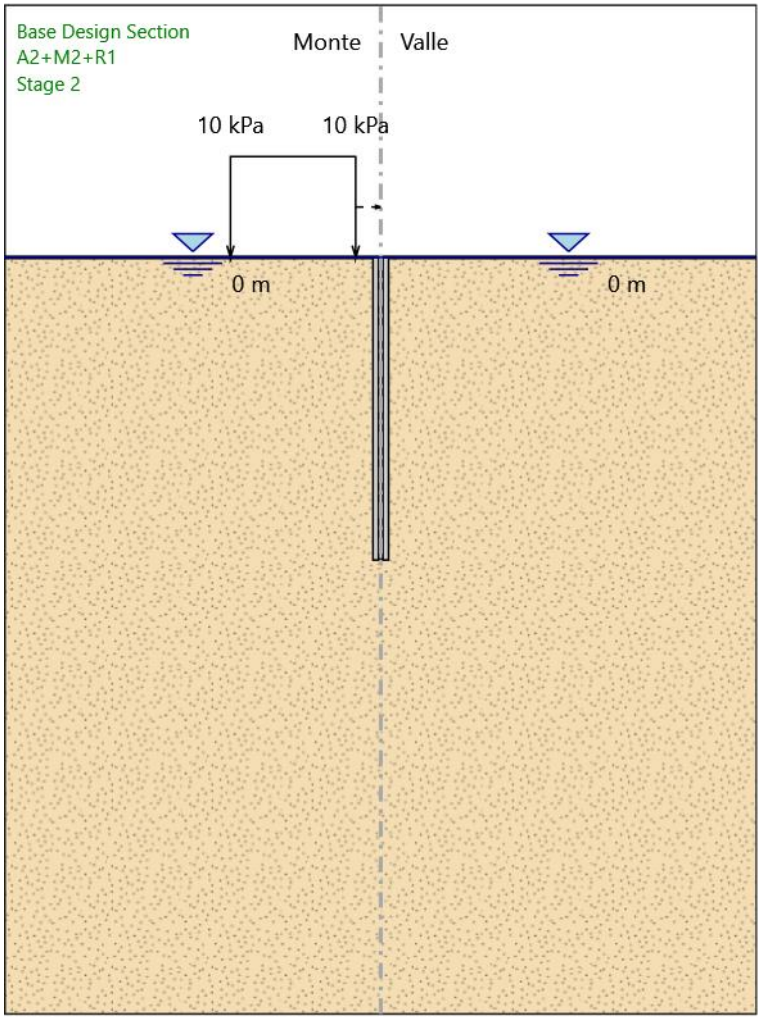
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : PALI 600

Stage 2



Stage 2

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

0 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : 0 m

Carichi

Carico lineare in superficie : SOVRACCARICO ACCIDENTALE

X iniziale : -6 m

X finale : -1 m

Pressione iniziale : 10 kPa

Pressione finale : 10 kPa

Elementi strutturali

Paratia : WallElement

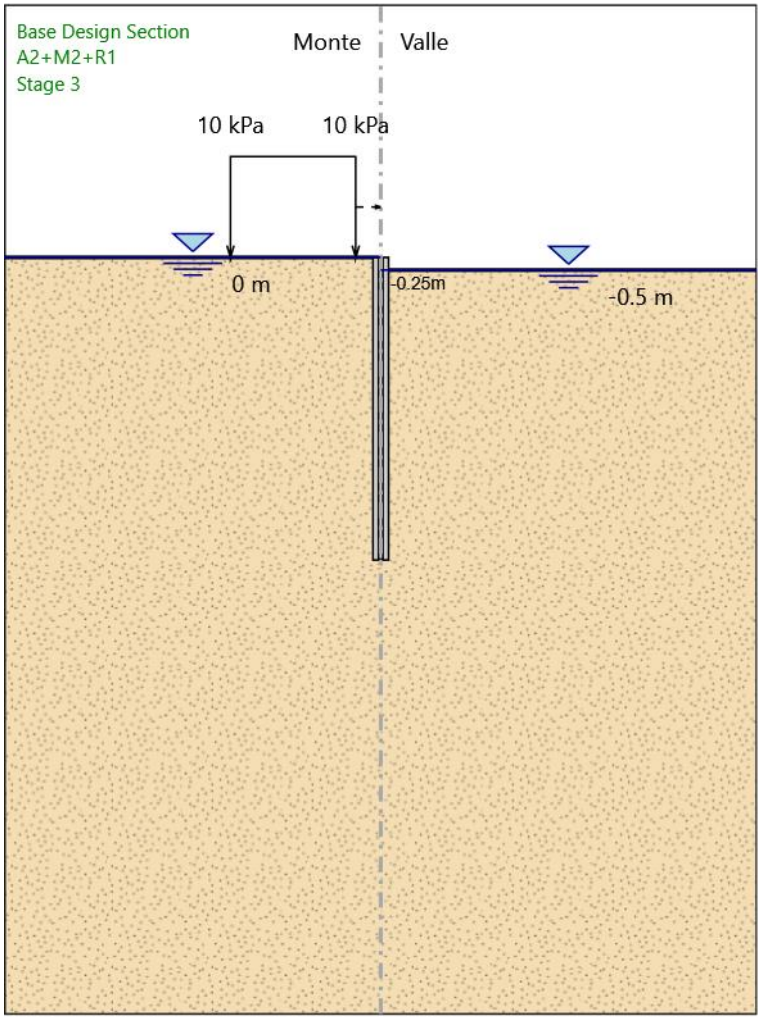
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : PALI 600

Stage 3



Stage 3

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -0.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-0.5 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : -0.5 m

Carichi

Carico lineare in superficie : SOVRACCARICO ACCIDENTALE

X iniziale : -6 m

X finale : -1 m

Pressione iniziale : 10 kPa

Pressione finale : 10 kPa

Elementi strutturali

Paratia : WallElement

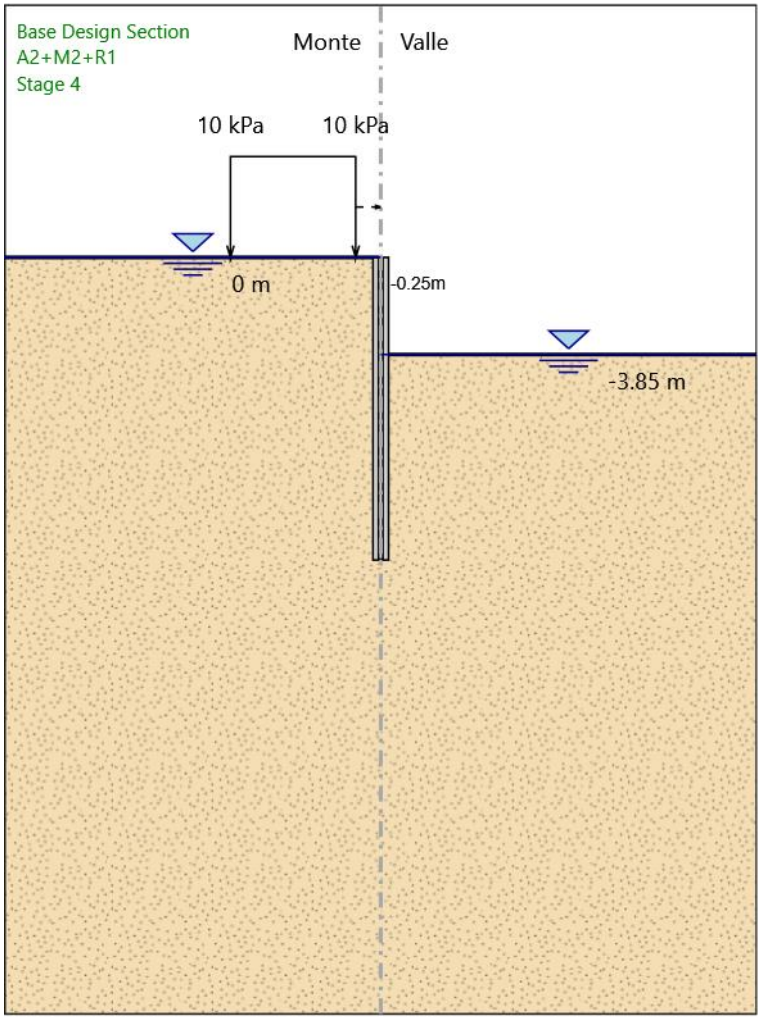
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : PALI 600

Stage 4



Stage 4

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -3.85 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-3.85 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : -3.85 m

Carichi

Carico lineare in superficie : SOVRACCARICO ACCIDENTALE

X iniziale : -6 m

X finale : -1 m

Pressione iniziale : 10 kPa

Pressione finale : 10 kPa

Elementi strutturali

Paratia : WallElement

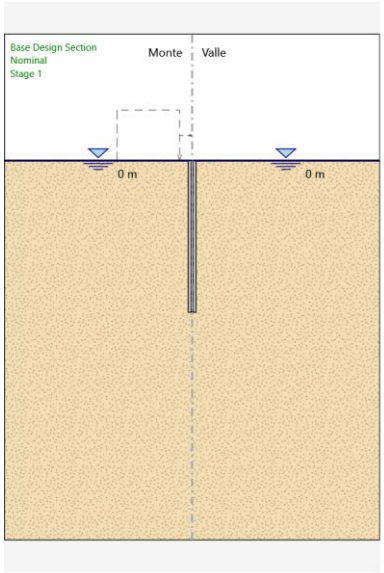
X : 0 m

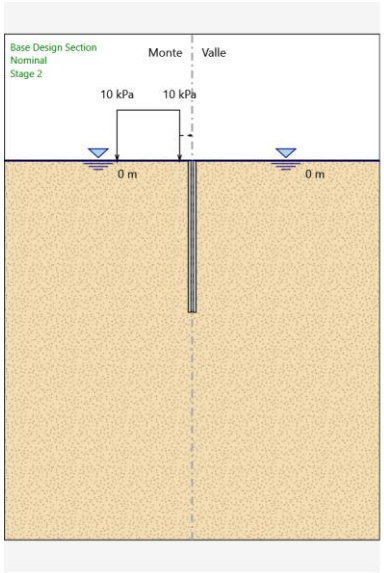
Quota in alto : 0 m

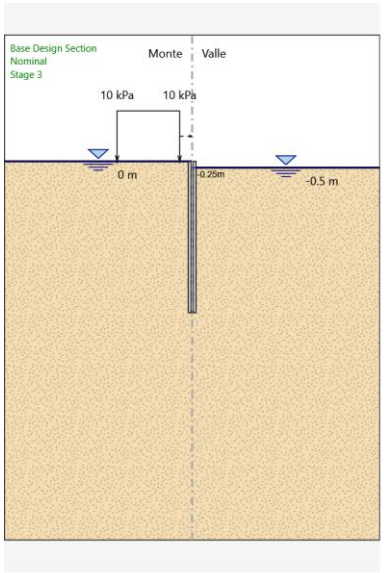
Quota di fondo : -12 m

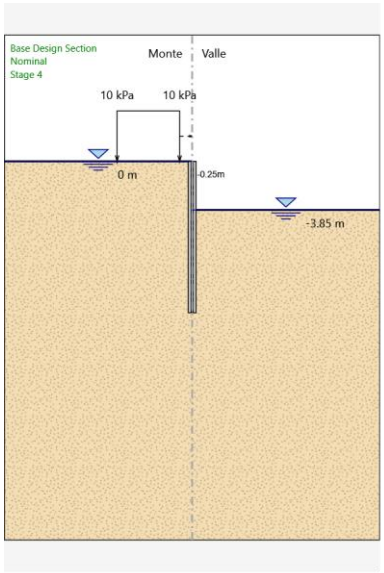
Sezione : PALI 600

Tabella Configurazione Stage (Nominal)









Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	0	0
Stage 1	-0.2	0
Stage 1	-0.25	0
Stage 1	-0.45	0
Stage 1	-0.65	0
Stage 1	-0.85	0
Stage 1	-1.05	0
Stage 1	-1.25	0
Stage 1	-1.45	0
Stage 1	-1.65	0
Stage 1	-1.85	0
Stage 1	-2.05	0
Stage 1	-2.25	0
Stage 1	-2.45	0
Stage 1	-2.65	0
Stage 1	-2.85	0
Stage 1	-3.05	0
Stage 1	-3.25	0
Stage 1	-3.45	0
Stage 1	-3.65	0
Stage 1	-3.85	0
Stage 1	-4.05	0
Stage 1	-4.25	0
Stage 1	-4.45	0
Stage 1	-4.65	0
Stage 1	-4.85	0
Stage 1	-5.05	0
Stage 1	-5.25	0
Stage 1	-5.45	0
Stage 1	-5.65	0
Stage 1	-5.85	0
Stage 1	-6.05	0
Stage 1	-6.25	0
Stage 1	-6.45	0
Stage 1	-6.65	0
Stage 1	-6.85	0
Stage 1	-7.05	0
Stage 1	-7.25	0
Stage 1	-7.45	0
Stage 1	-7.65	0
Stage 1	-7.85	0
Stage 1	-8.05	0
Stage 1	-8.25	0
Stage 1	-8.45	0
Stage 1	-8.65	0
Stage 1	-8.85	0
Stage 1	-9.05	0
Stage 1	-9.25	0
Stage 1	-9.45	0
Stage 1	-9.65	0
Stage 1	-9.85	0
Stage 1	-10.05	0
Stage 1	-10.25	0
Stage 1	-10.45	0
Stage 1	-10.65	0
Stage 1	-10.85	0
Stage 1	-11.05	0
Stage 1	-11.25	0
Stage 1	-11.45	0
Stage 1	-11.65	0
Stage 1	-11.85	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	-12	0

Tabella Spostamento Nominal - LEFT Stage: Stage 2

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	0	0
Stage 2	-0.2	0
Stage 2	-0.25	0
Stage 2	-0.45	0
Stage 2	-0.65	0
Stage 2	-0.85	0
Stage 2	-1.05	0.01
Stage 2	-1.25	0.01
Stage 2	-1.45	0.01
Stage 2	-1.65	0.01
Stage 2	-1.85	0.01
Stage 2	-2.05	0.01
Stage 2	-2.25	0.01
Stage 2	-2.45	0.01
Stage 2	-2.65	0.01
Stage 2	-2.85	0.01
Stage 2	-3.05	0.01
Stage 2	-3.25	0.02
Stage 2	-3.45	0.02
Stage 2	-3.65	0.02
Stage 2	-3.85	0.02
Stage 2	-4.05	0.02
Stage 2	-4.25	0.02
Stage 2	-4.45	0.02
Stage 2	-4.65	0.02
Stage 2	-4.85	0.02
Stage 2	-5.05	0.02
Stage 2	-5.25	0.02
Stage 2	-5.45	0.02
Stage 2	-5.65	0.02
Stage 2	-5.85	0.02
Stage 2	-6.05	0.02
Stage 2	-6.25	0.02
Stage 2	-6.45	0.02
Stage 2	-6.65	0.02
Stage 2	-6.85	0.02
Stage 2	-7.05	0.02
Stage 2	-7.25	0.02
Stage 2	-7.45	0.02
Stage 2	-7.65	0.02
Stage 2	-7.85	0.02
Stage 2	-8.05	0.02
Stage 2	-8.25	0.02
Stage 2	-8.45	0.02
Stage 2	-8.65	0.02
Stage 2	-8.85	0.02
Stage 2	-9.05	0.02
Stage 2	-9.25	0.02
Stage 2	-9.45	0.02
Stage 2	-9.65	0.01
Stage 2	-9.85	0.01
Stage 2	-10.05	0.01
Stage 2	-10.25	0.01
Stage 2	-10.45	0.01
Stage 2	-10.65	0.01
Stage 2	-10.85	0.01
Stage 2	-11.05	0.01
Stage 2	-11.25	0.01
Stage 2	-11.45	0.01
Stage 2	-11.65	0.01
Stage 2	-11.85	0.01
Stage 2	-12	0.01

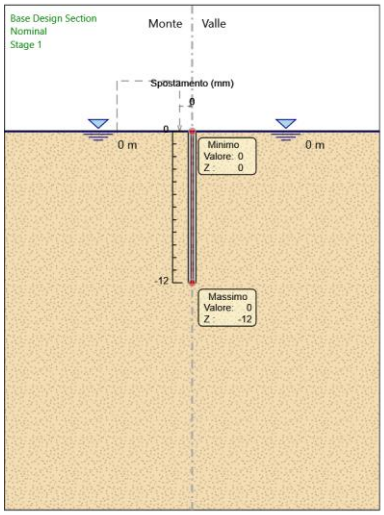
Tabella Spostamento Nominal - LEFT Stage: Stage 3

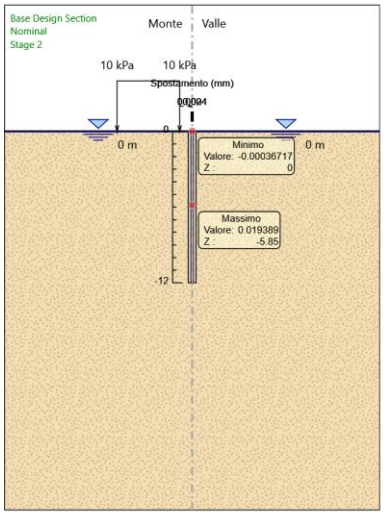
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 3	0	0.16
Stage 3	-0.2	0.15
Stage 3	-0.25	0.15
Stage 3	-0.45	0.14
Stage 3	-0.65	0.14
Stage 3	-0.85	0.13
Stage 3	-1.05	0.12
Stage 3	-1.25	0.11
Stage 3	-1.45	0.11
Stage 3	-1.65	0.1
Stage 3	-1.85	0.09
Stage 3	-2.05	0.09
Stage 3	-2.25	0.08
Stage 3	-2.45	0.08
Stage 3	-2.65	0.07
Stage 3	-2.85	0.07
Stage 3	-3.05	0.06
Stage 3	-3.25	0.06
Stage 3	-3.45	0.06
Stage 3	-3.65	0.06
Stage 3	-3.85	0.05
Stage 3	-4.05	0.05
Stage 3	-4.25	0.05
Stage 3	-4.45	0.05
Stage 3	-4.65	0.05
Stage 3	-4.85	0.05
Stage 3	-5.05	0.05
Stage 3	-5.25	0.05
Stage 3	-5.45	0.05
Stage 3	-5.65	0.05
Stage 3	-5.85	0.05
Stage 3	-6.05	0.04
Stage 3	-6.25	0.04
Stage 3	-6.45	0.04
Stage 3	-6.65	0.04
Stage 3	-6.85	0.04
Stage 3	-7.05	0.04
Stage 3	-7.25	0.04
Stage 3	-7.45	0.04
Stage 3	-7.65	0.04
Stage 3	-7.85	0.04
Stage 3	-8.05	0.04
Stage 3	-8.25	0.04
Stage 3	-8.45	0.04
Stage 3	-8.65	0.04
Stage 3	-8.85	0.04
Stage 3	-9.05	0.04
Stage 3	-9.25	0.04
Stage 3	-9.45	0.04
Stage 3	-9.65	0.04
Stage 3	-9.85	0.04
Stage 3	-10.05	0.04
Stage 3	-10.25	0.04
Stage 3	-10.45	0.04
Stage 3	-10.65	0.04
Stage 3	-10.85	0.03
Stage 3	-11.05	0.03
Stage 3	-11.25	0.03
Stage 3	-11.45	0.03
Stage 3	-11.65	0.03
Stage 3	-11.85	0.03
Stage 3	-12	0.03

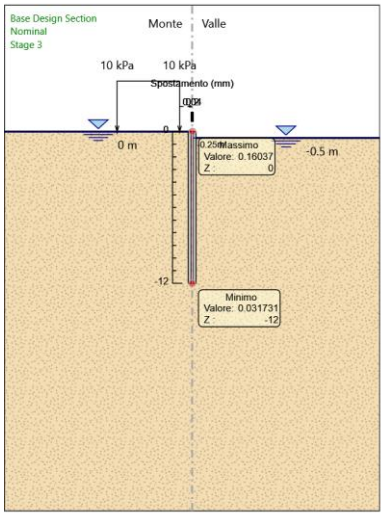
Tabella Spostamento Nominal - LEFT Stage: Stage 4

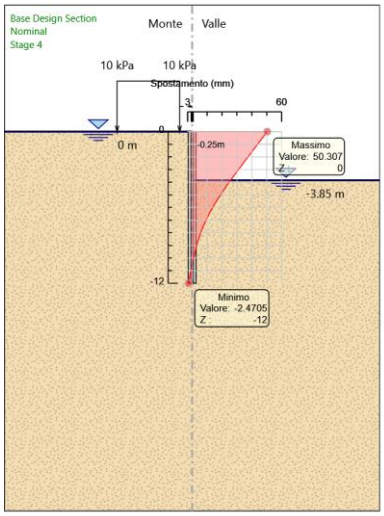
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 4	0	50.31
Stage 4	-0.2	49.02
Stage 4	-0.25	48.7
Stage 4	-0.45	47.41
Stage 4	-0.65	46.12
Stage 4	-0.85	44.84
Stage 4	-1.05	43.55
Stage 4	-1.25	42.26
Stage 4	-1.45	40.98
Stage 4	-1.65	39.69
Stage 4	-1.85	38.41
Stage 4	-2.05	37.12
Stage 4	-2.25	35.84
Stage 4	-2.45	34.56
Stage 4	-2.65	33.29
Stage 4	-2.85	32.02
Stage 4	-3.05	30.75
Stage 4	-3.25	29.49
Stage 4	-3.45	28.24
Stage 4	-3.65	26.99
Stage 4	-3.85	25.76
Stage 4	-4.05	24.54
Stage 4	-4.25	23.33
Stage 4	-4.45	22.14
Stage 4	-4.65	20.97
Stage 4	-4.85	19.83
Stage 4	-5.05	18.7
Stage 4	-5.25	17.6
Stage 4	-5.45	16.53
Stage 4	-5.65	15.49
Stage 4	-5.85	14.48
Stage 4	-6.05	13.51
Stage 4	-6.25	12.57
Stage 4	-6.45	11.66
Stage 4	-6.65	10.79
Stage 4	-6.85	9.95
Stage 4	-7.05	9.15
Stage 4	-7.25	8.39
Stage 4	-7.45	7.65
Stage 4	-7.65	6.96
Stage 4	-7.85	6.3
Stage 4	-8.05	5.67
Stage 4	-8.25	5.07
Stage 4	-8.45	4.5
Stage 4	-8.65	3.96
Stage 4	-8.85	3.45
Stage 4	-9.05	2.96
Stage 4	-9.25	2.5
Stage 4	-9.45	2.06
Stage 4	-9.65	1.64
Stage 4	-9.85	1.24
Stage 4	-10.05	0.85
Stage 4	-10.25	0.48
Stage 4	-10.45	0.12
Stage 4	-10.65	-0.23
Stage 4	-10.85	-0.57
Stage 4	-11.05	-0.91
Stage 4	-11.25	-1.24
Stage 4	-11.45	-1.57
Stage 4	-11.65	-1.9
Stage 4	-11.85	-2.23
Stage 4	-12	-2.47

Grafici Spostamento in tabella









Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage 1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.25	0	0
Stage 1	-0.45	0	0
Stage 1	-0.65	0	0
Stage 1	-0.85	0	0
Stage 1	-1.05	0	0
Stage 1	-1.25	0	0
Stage 1	-1.45	0	0
Stage 1	-1.65	0	0
Stage 1	-1.85	0	0
Stage 1	-2.05	0	0
Stage 1	-2.25	0	0
Stage 1	-2.45	0	0
Stage 1	-2.65	0	0
Stage 1	-2.85	0	0
Stage 1	-3.05	0	0
Stage 1	-3.25	0	0
Stage 1	-3.45	0	0
Stage 1	-3.65	0	0
Stage 1	-3.85	0	0
Stage 1	-4.05	0	0
Stage 1	-4.25	0	0
Stage 1	-4.45	0	0
Stage 1	-4.65	0	0
Stage 1	-4.85	0	0
Stage 1	-5.05	0	0
Stage 1	-5.25	0	0
Stage 1	-5.45	0	0
Stage 1	-5.65	0	0
Stage 1	-5.85	0	0
Stage 1	-6.05	0	0
Stage 1	-6.25	0	0
Stage 1	-6.45	0	0
Stage 1	-6.65	0	0
Stage 1	-6.85	0	0
Stage 1	-7.05	0	0
Stage 1	-7.25	0	0
Stage 1	-7.45	0	0
Stage 1	-7.65	0	0
Stage 1	-7.85	0	0
Stage 1	-8.05	0	0
Stage 1	-8.25	0	0
Stage 1	-8.45	0	0
Stage 1	-8.65	0	0
Stage 1	-8.85	0	0
Stage 1	-9.05	0	0
Stage 1	-9.25	0	0
Stage 1	-9.45	0	0
Stage 1	-9.65	0	0
Stage 1	-9.85	0	0
Stage 1	-10.05	0	0
Stage 1	-10.25	0	0
Stage 1	-10.45	0	0
Stage 1	-10.65	0	0
Stage 1	-10.85	0	0
Stage 1	-11.05	0	0
Stage 1	-11.25	0	0
Stage 1	-11.45	0	0
Stage 1	-11.65	0	0
Stage 1	-11.85	0	0
Stage 1	-12	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 2

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.25	0	0.01
Stage 2	-0.45	0.01	0.02
Stage 2	-0.65	0.02	0.06
Stage 2	-0.85	0.04	0.1
Stage 2	-1.05	0.07	0.14
Stage 2	-1.25	0.1	0.18
Stage 2	-1.45	0.14	0.22
Stage 2	-1.65	0.19	0.24
Stage 2	-1.85	0.24	0.24
Stage 2	-2.05	0.29	0.23
Stage 2	-2.25	0.33	0.21
Stage 2	-2.45	0.36	0.18
Stage 2	-2.65	0.39	0.15
Stage 2	-2.85	0.42	0.13
Stage 2	-3.05	0.44	0.1
Stage 2	-3.25	0.45	0.08
Stage 2	-3.45	0.47	0.06
Stage 2	-3.65	0.47	0.03
Stage 2	-3.85	0.47	0.01
Stage 2	-4.05	0.47	-0.01
Stage 2	-4.25	0.47	-0.02
Stage 2	-4.45	0.46	-0.03
Stage 2	-4.65	0.46	-0.04
Stage 2	-4.85	0.45	-0.04
Stage 2	-5.05	0.44	-0.05
Stage 2	-5.25	0.43	-0.06
Stage 2	-5.45	0.41	-0.07
Stage 2	-5.65	0.39	-0.08
Stage 2	-5.85	0.37	-0.1
Stage 2	-6.05	0.35	-0.12
Stage 2	-6.25	0.32	-0.15
Stage 2	-6.45	0.29	-0.16
Stage 2	-6.65	0.25	-0.17
Stage 2	-6.85	0.22	-0.17
Stage 2	-7.05	0.18	-0.17
Stage 2	-7.25	0.15	-0.16
Stage 2	-7.45	0.12	-0.15
Stage 2	-7.65	0.09	-0.14
Stage 2	-7.85	0.07	-0.13
Stage 2	-8.05	0.04	-0.11
Stage 2	-8.25	0.02	-0.1
Stage 2	-8.45	0.01	-0.08
Stage 2	-8.65	-0.01	-0.07
Stage 2	-8.85	-0.02	-0.06
Stage 2	-9.05	-0.03	-0.04
Stage 2	-9.25	-0.03	-0.03
Stage 2	-9.45	-0.04	-0.02
Stage 2	-9.65	-0.04	-0.01
Stage 2	-9.85	-0.04	0
Stage 2	-10.05	-0.04	0.01
Stage 2	-10.25	-0.03	0.01
Stage 2	-10.45	-0.03	0.02
Stage 2	-10.65	-0.03	0.02
Stage 2	-10.85	-0.02	0.03
Stage 2	-11.05	-0.02	0.03
Stage 2	-11.25	-0.01	0.02
Stage 2	-11.45	-0.01	0.02
Stage 2	-11.65	0	0.02
Stage 2	-11.85	0	0.01
Stage 2	-12	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 3

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.25	-0.01	-0.3
Stage 3	-0.45	-0.15	-0.67
Stage 3	-0.65	-0.5	-1.76
Stage 3	-0.85	-0.9	-2
Stage 3	-1.05	-1.33	-2.14
Stage 3	-1.25	-1.77	-2.21
Stage 3	-1.45	-2.21	-2.19
Stage 3	-1.65	-2.63	-2.09
Stage 3	-1.85	-3.01	-1.93
Stage 3	-2.05	-3.35	-1.68
Stage 3	-2.25	-3.62	-1.36
Stage 3	-2.45	-3.81	-0.95
Stage 3	-2.65	-3.9	-0.45
Stage 3	-2.85	-3.88	0.11
Stage 3	-3.05	-3.77	0.55
Stage 3	-3.25	-3.59	0.89
Stage 3	-3.45	-3.36	1.15
Stage 3	-3.65	-3.1	1.32
Stage 3	-3.85	-2.81	1.43
Stage 3	-4.05	-2.51	1.49
Stage 3	-4.25	-2.21	1.51
Stage 3	-4.45	-1.91	1.5
Stage 3	-4.65	-1.62	1.46
Stage 3	-4.85	-1.34	1.38
Stage 3	-5.05	-1.08	1.29
Stage 3	-5.25	-0.85	1.19
Stage 3	-5.45	-0.63	1.07
Stage 3	-5.65	-0.44	0.94
Stage 3	-5.85	-0.28	0.81
Stage 3	-6.05	-0.15	0.68
Stage 3	-6.25	-0.04	0.55
Stage 3	-6.45	0.05	0.43
Stage 3	-6.65	0.12	0.33
Stage 3	-6.85	0.16	0.24
Stage 3	-7.05	0.19	0.16
Stage 3	-7.25	0.21	0.09
Stage 3	-7.45	0.22	0.04
Stage 3	-7.65	0.22	0
Stage 3	-7.85	0.21	-0.03
Stage 3	-8.05	0.2	-0.06
Stage 3	-8.25	0.19	-0.08
Stage 3	-8.45	0.17	-0.09
Stage 3	-8.65	0.15	-0.1
Stage 3	-8.85	0.13	-0.1
Stage 3	-9.05	0.11	-0.1
Stage 3	-9.25	0.09	-0.09
Stage 3	-9.45	0.08	-0.09
Stage 3	-9.65	0.06	-0.08
Stage 3	-9.85	0.05	-0.07
Stage 3	-10.05	0.04	-0.06
Stage 3	-10.25	0.03	-0.05
Stage 3	-10.45	0.02	-0.04
Stage 3	-10.65	0.01	-0.03
Stage 3	-10.85	0.01	-0.02
Stage 3	-11.05	0	-0.02
Stage 3	-11.25	0	-0.01
Stage 3	-11.45	0	-0.01
Stage 3	-11.65	0	0
Stage 3	-11.85	0	0
Stage 3	-12	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 4

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	0	0	0
Stage 4	-0.2	0	0
Stage 4	-0.2	0	0
Stage 4	-0.25	-0.01	-0.27
Stage 4	-0.25	-0.01	-0.27
Stage 4	-0.45	-0.13	-0.61
Stage 4	-0.65	-0.45	-1.58
Stage 4	-0.85	-1.05	-3
Stage 4	-1.05	-2.02	-4.86
Stage 4	-1.25	-3.45	-7.16
Stage 4	-1.45	-5.44	-9.91
Stage 4	-1.65	-8.06	-13.11
Stage 4	-1.85	-11.41	-16.76
Stage 4	-2.05	-15.58	-20.86
Stage 4	-2.25	-20.66	-25.41
Stage 4	-2.45	-26.74	-30.4
Stage 4	-2.65	-33.91	-35.83
Stage 4	-2.85	-42.25	-41.71
Stage 4	-3.05	-51.85	-48.02
Stage 4	-3.25	-62.81	-54.77
Stage 4	-3.45	-75.2	-61.96
Stage 4	-3.65	-89.12	-69.59
Stage 4	-3.85	-104.65	-77.66
Stage 4	-4.05	-121.88	-86.16
Stage 4	-4.25	-140.34	-92.31
Stage 4	-4.45	-159.57	-96.11
Stage 4	-4.65	-179.08	-97.56
Stage 4	-4.85	-198.41	-96.66
Stage 4	-5.05	-217.09	-93.41
Stage 4	-5.25	-234.66	-87.82
Stage 4	-5.45	-250.63	-79.87
Stage 4	-5.65	-264.54	-69.57
Stage 4	-5.85	-275.93	-56.92
Stage 4	-6.05	-284.7	-43.89
Stage 4	-6.25	-291.04	-31.7
Stage 4	-6.45	-295.11	-20.33
Stage 4	-6.65	-297.05	-9.72
Stage 4	-6.85	-297.02	0.16
Stage 4	-7.05	-295.15	9.35
Stage 4	-7.25	-291.57	17.89
Stage 4	-7.45	-286.41	25.81
Stage 4	-7.65	-279.78	33.16
Stage 4	-7.85	-271.78	39.97
Stage 4	-8.05	-262.53	46.27
Stage 4	-8.25	-252.11	52.12
Stage 4	-8.45	-240.6	57.52
Stage 4	-8.65	-228.09	62.53
Stage 4	-8.85	-214.66	67.18
Stage 4	-9.05	-200.36	71.48
Stage 4	-9.25	-185.27	75.48
Stage 4	-9.45	-169.43	79.2
Stage 4	-9.65	-152.9	82.65
Stage 4	-9.85	-135.72	85.87
Stage 4	-10.05	-117.95	88.88
Stage 4	-10.25	-99.64	91.5
Stage 4	-10.45	-81.54	90.5
Stage 4	-10.65	-64.28	86.34
Stage 4	-10.85	-48.28	79.97
Stage 4	-11.05	-33.99	71.44
Stage 4	-11.25	-21.77	61.11
Stage 4	-11.45	-11.97	49.01
Stage 4	-11.65	-4.93	35.17
Stage 4	-11.85	-0.92	20.05
Stage 4	-12	0	6.16

Grafico Momento Nominal

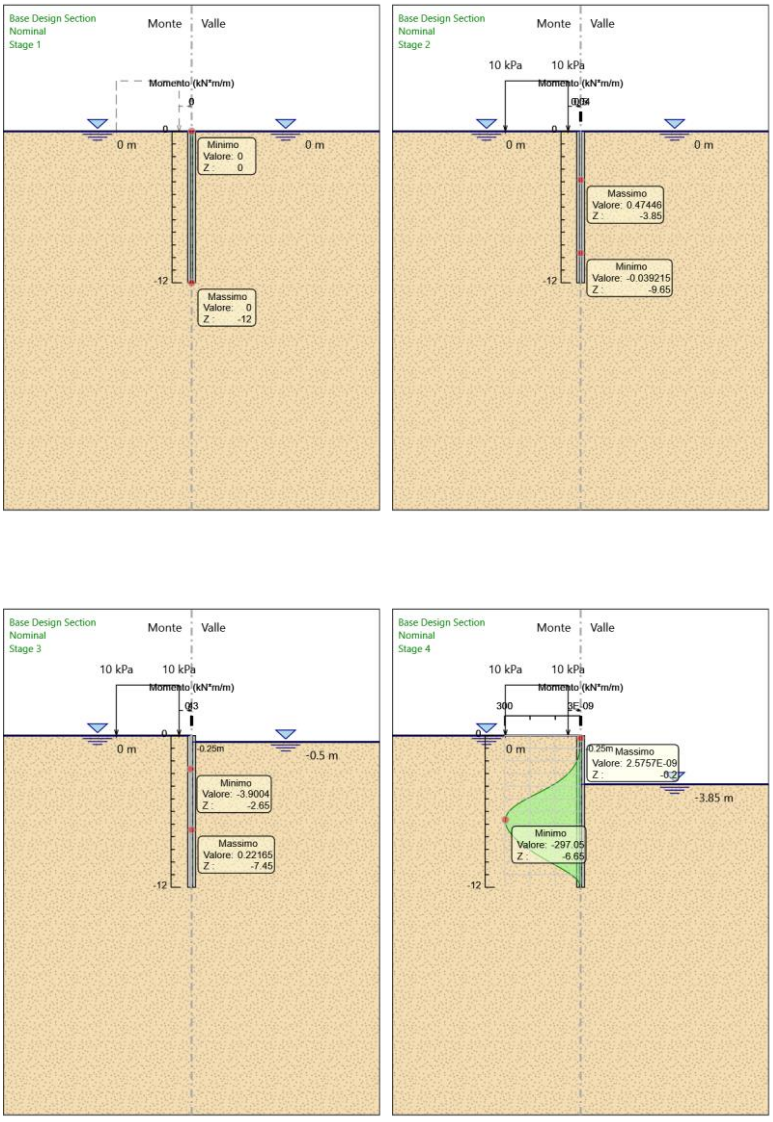
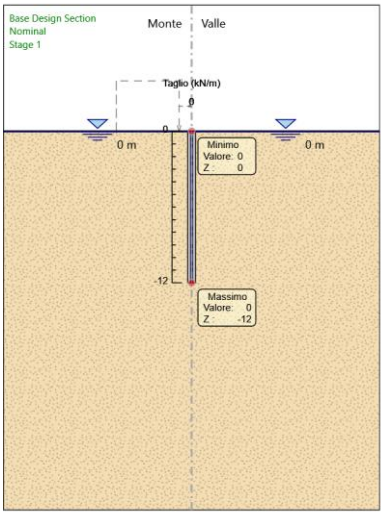
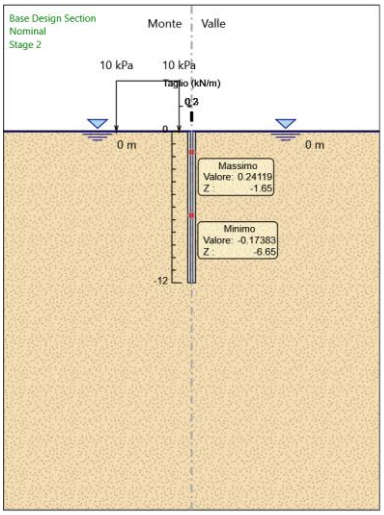
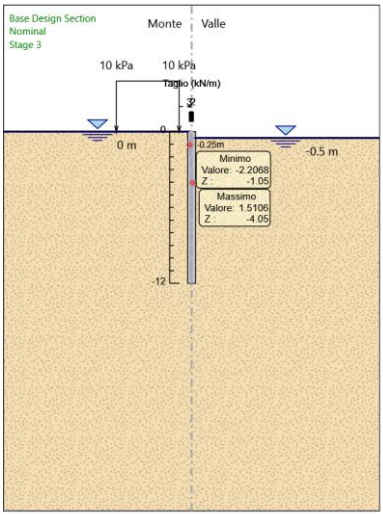


Grafico Taglio Nominal







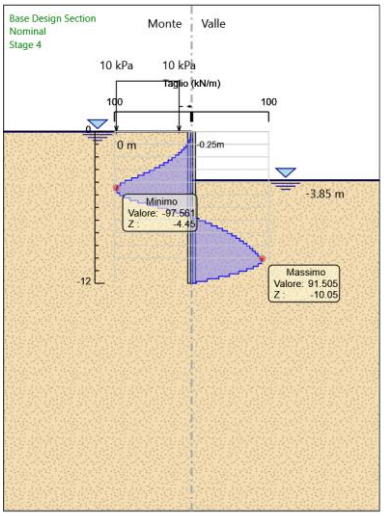


Grafico Momento Nominal

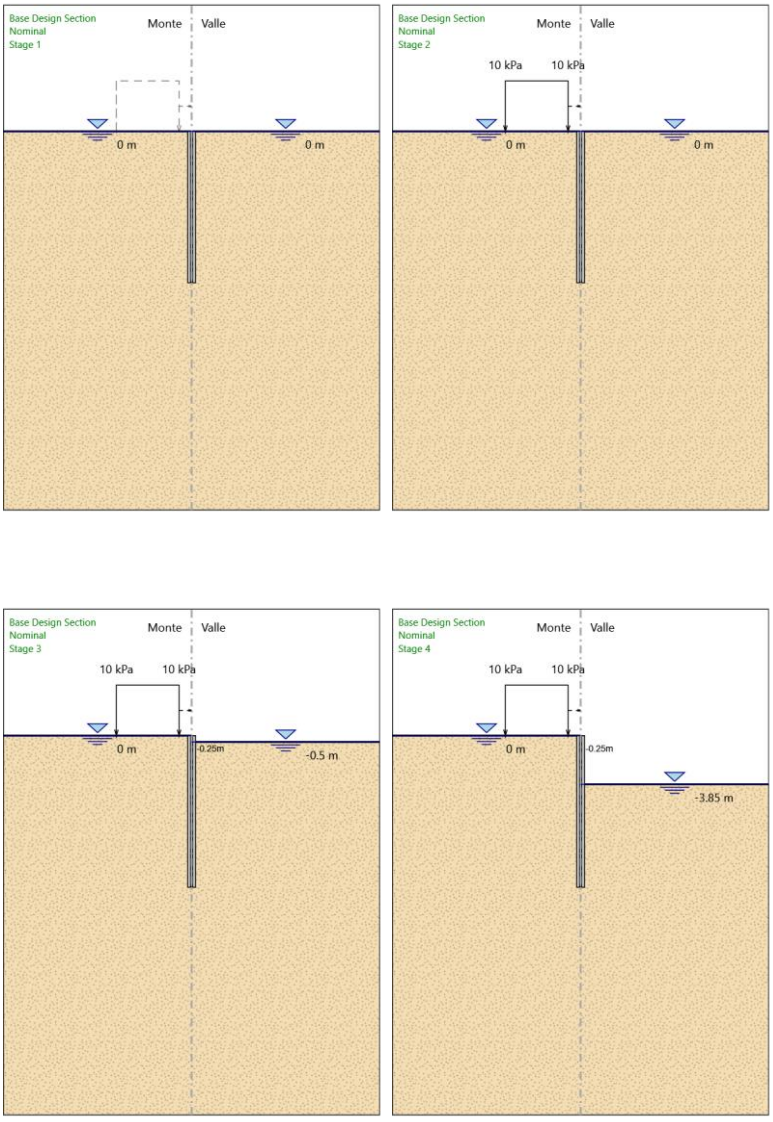
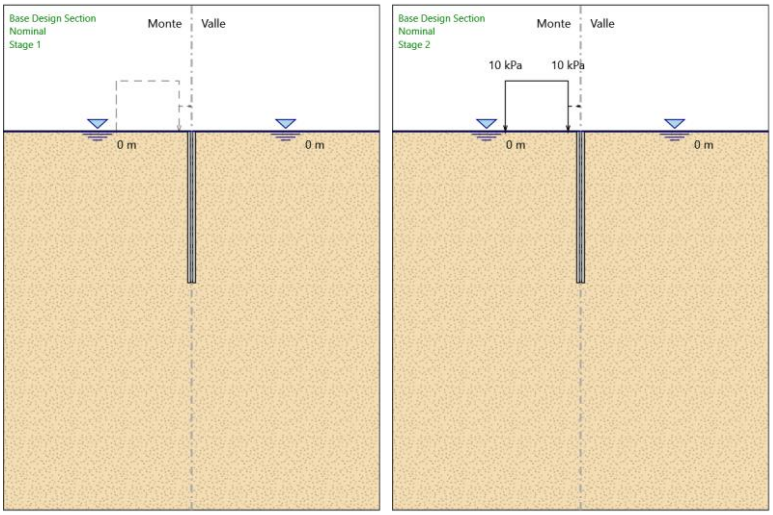
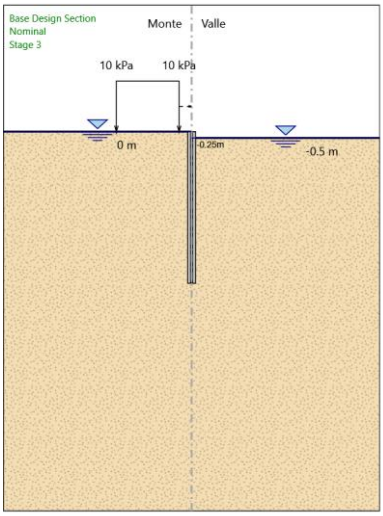
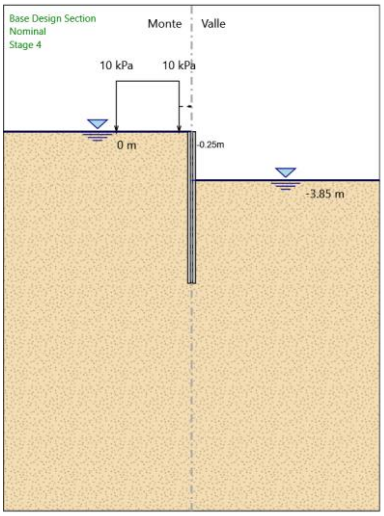


Grafico Taglio Nominal







Risultati Parete Combinata

Tabella Risultati Parete Combinata Nominal - Stage: Stage 1

Design Assumption: Nominal	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	0	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0

Design Assumption: Nominal	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	-5.85	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-12	0	0	0	0	0	0

Tabella Risultati Parete Combinata Nominal - Stage: Stage 2

Design Assumption: Nominal Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	0	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.85	0	0	0	0	0	0
Stage 2	-0.85	0	0	0	0	0	0
Stage 2	-1.05	0	0	0	0	0	0
Stage 2	-1.05	0	0	0	0	0	0
Stage 2	-1.25	0	0	0	0.01	0	0
Stage 2	-1.25	0	0.01	0	0.01	0	0
Stage 2	-1.45	0	0.01	0	0.01	0	0
Stage 2	-1.45	0	0.01	0	0.01	0	0
Stage 2	-1.65	0	0.01	0	0.01	0	0
Stage 2	-1.65	0	0.01	0	0.01	0	0
Stage 2	-1.85	0.01	0.01	0	0.01	0	0
Stage 2	-1.85	0.01	0.01	0	0.01	0	0
Stage 2	-2.05	0.01	0.01	0	0.01	0	0
Stage 2	-2.05	0.01	0.01	0	0.01	0	0
Stage 2	-2.25	0.01	0.01	0	0.02	0	0
Stage 2	-2.25	0.01	0	0	0.02	0	0
Stage 2	-2.45	0.01	0	0	0.02	0	0
Stage 2	-2.45	0.01	0	0	0.02	0	0
Stage 2	-2.65	0.01	0	0	0.02	0	0
Stage 2	-2.65	0.01	0	0	0.02	0	0
Stage 2	-2.85	0.01	0	0	0.02	0	0
Stage 2	-2.85	0.01	0	0	0.02	0	0
Stage 2	-3.05	0.01	0	0	0.02	0	0
Stage 2	-3.05	0.01	0	0	0.02	0	0
Stage 2	-3.25	0.01	0	0	0.02	0	0
Stage 2	-3.25	0.01	0	0	0.02	0	0
Stage 2	-3.45	0.01	0	0	0.02	0	0
Stage 2	-3.45	0.01	0	0	0.02	0	0
Stage 2	-3.65	0.01	0	0	0.02	0	0
Stage 2	-3.65	0.01	0	0	0.02	0	0
Stage 2	-3.85	0.01	0	0	0.02	0	0
Stage 2	-3.85	0.01	0	0	0.02	0	0
Stage 2	-4.05	0.01	0	0	0.02	0	0
Stage 2	-4.05	0.01	0	0	0.02	0	0
Stage 2	-4.25	0.01	0	0	0.02	0	0
Stage 2	-4.25	0.01	0	0	0.02	0	0
Stage 2	-4.45	0.01	0	0	0.02	0	0
Stage 2	-4.45	0.01	0	0	0.02	0	0
Stage 2	-4.65	0.01	0	0	0.02	0	0
Stage 2	-4.65	0.01	0	0	0.02	0	0
Stage 2	-4.85	0.01	0	0	0.02	0	0
Stage 2	-4.85	0.01	0	0	0.02	0	0
Stage 2	-5.05	0.01	0	0	0.02	0	0
Stage 2	-5.05	0.01	0	0	0.02	0	0
Stage 2	-5.25	0.01	0	0	0.02	0	0
Stage 2	-5.25	0.01	0	0	0.02	0	0
Stage 2	-5.45	0.01	0	0	0.02	0	0
Stage 2	-5.45	0.01	0	0	0.02	0	0
Stage 2	-5.65	0.01	0	0	0.02	0	0
Stage 2	-5.65	0.01	0	0	0.02	0	0
Stage 2	-5.85	0.01	0	0	0.02	0	0
Stage 2	-5.85	0.01	0	0	0.02	0	0
Stage 2	-6.05	0.01	0	0	0.02	0	0
Stage 2	-6.05	0.01	0	0	0.02	0	0

Design Assumption: Nominal	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	-6.25	0.01	0	0	0.02	0	0
Stage 2	-6.25	0.01	0	0	0.02	0	0
Stage 2	-6.45	0.01	0	0	0.01	0	0
Stage 2	-6.45	0.01	0	0	0.01	0	0
Stage 2	-6.65	0.01	0	0	0.01	0	0
Stage 2	-6.65	0.01	0	0	0.01	0	0
Stage 2	-6.85	0.01	0	0	0.01	0	0
Stage 2	-6.85	0.01	0	0	0.01	0	0
Stage 2	-7.05	0	0	0	0.01	0	0
Stage 2	-7.05	0	0	0	0.01	0	0
Stage 2	-7.25	0	0	0	0.01	0	0
Stage 2	-7.25	0	0	0	0.01	0	0
Stage 2	-7.45	0	0	0	0.01	0	0
Stage 2	-7.45	0	0	0	0.01	0	0
Stage 2	-7.65	0	0	0	0	0	0
Stage 2	-7.65	0	0	0	0	0	0
Stage 2	-7.85	0	0	0	0	0	0
Stage 2	-7.85	0	0	0	0	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-12	0	0	0	0	0	0

Tabella Risultati Parete Combinata Nominal - Stage: Stage 3

Design Assumption: Nominal Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	0	0	0	0
Stage 3	-0.2	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.02	0	0	0	0
Stage 3	-0.45	0	-0.02	0	-0.01	0	0
Stage 3	-0.45	0	-0.05	0	-0.01	0	0
Stage 3	-0.65	-0.01	-0.05	0	-0.03	0	0
Stage 3	-0.65	-0.01	-0.05	0	-0.03	0	0
Stage 3	-0.85	-0.02	-0.05	0	-0.05	0	0
Stage 3	-0.85	-0.02	-0.05	0	-0.05	0	0
Stage 3	-1.05	-0.03	-0.05	0	-0.07	0	0
Stage 3	-1.05	-0.03	-0.06	0	-0.07	0	0
Stage 3	-1.25	-0.05	-0.06	0	-0.09	0	0
Stage 3	-1.25	-0.05	-0.06	0	-0.09	0	0
Stage 3	-1.45	-0.06	-0.06	0	-0.11	0	0
Stage 3	-1.45	-0.06	-0.05	0	-0.11	0	0
Stage 3	-1.65	-0.07	-0.05	0	-0.13	0	0
Stage 3	-1.65	-0.07	-0.05	0	-0.13	0	0
Stage 3	-1.85	-0.08	-0.05	0	-0.15	0	0
Stage 3	-1.85	-0.08	-0.04	0	-0.15	0	0
Stage 3	-2.05	-0.09	-0.04	0	-0.17	0	0
Stage 3	-2.05	-0.09	-0.03	0	-0.17	0	0
Stage 3	-2.25	-0.09	-0.03	0	-0.19	0	0
Stage 3	-2.25	-0.09	-0.02	0	-0.19	0	0
Stage 3	-2.45	-0.1	-0.02	0	-0.2	0	0
Stage 3	-2.45	-0.1	-0.01	0	-0.2	0	0
Stage 3	-2.65	-0.1	-0.01	0	-0.2	0	0
Stage 3	-2.65	-0.1	0	0	-0.2	0	0
Stage 3	-2.85	-0.1	0	0	-0.2	0	0
Stage 3	-2.85	-0.1	0.01	0	-0.2	0	0
Stage 3	-3.05	-0.1	0.01	0	-0.19	0	0
Stage 3	-3.05	-0.1	0.02	0	-0.19	0	0
Stage 3	-3.25	-0.09	0.02	0	-0.18	0	0
Stage 3	-3.25	-0.09	0.03	0	-0.18	0	0
Stage 3	-3.45	-0.09	0.03	0	-0.17	0	0
Stage 3	-3.45	-0.09	0.03	0	-0.17	0	0
Stage 3	-3.65	-0.08	0.03	0	-0.16	0	0
Stage 3	-3.65	-0.08	0.04	0	-0.16	0	0
Stage 3	-3.85	-0.07	0.04	0	-0.14	0	0
Stage 3	-3.85	-0.07	0.04	0	-0.14	0	0
Stage 3	-4.05	-0.06	0.04	0	-0.13	0	0
Stage 3	-4.05	-0.06	0.04	0	-0.13	0	0
Stage 3	-4.25	-0.06	0.04	0	-0.11	0	0
Stage 3	-4.25	-0.06	0.04	0	-0.11	0	0
Stage 3	-4.45	-0.05	0.04	0	-0.1	0	0
Stage 3	-4.45	-0.05	0.04	0	-0.1	0	0
Stage 3	-4.65	-0.04	0.04	0	-0.08	0	0
Stage 3	-4.65	-0.04	0.04	0	-0.08	0	0
Stage 3	-4.85	-0.03	0.04	0	-0.07	0	0
Stage 3	-4.85	-0.03	0.03	0	-0.07	0	0
Stage 3	-5.05	-0.03	0.03	0	-0.06	0	0
Stage 3	-5.05	-0.03	0.03	0	-0.06	0	0
Stage 3	-5.25	-0.02	0.03	0	-0.04	0	0
Stage 3	-5.25	-0.02	0.03	0	-0.04	0	0
Stage 3	-5.45	-0.02	0.03	0	-0.03	0	0
Stage 3	-5.45	-0.02	0.02	0	-0.03	0	0
Stage 3	-5.65	-0.01	0.02	0	-0.02	0	0
Stage 3	-5.65	-0.01	0.02	0	-0.02	0	0
Stage 3	-5.85	-0.01	0.02	0	-0.01	0	0
Stage 3	-5.85	-0.01	0.02	0	-0.01	0	0
Stage 3	-6.05	0	0.02	0	-0.01	0	0
Stage 3	-6.05	0	0.01	0	-0.01	0	0

Design Assumption: Nominal	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	-6.25	0	0.01	0	0	0	0
Stage 3	-6.25	0	0.01	0	0	0	0
Stage 3	-6.45	0	0.01	0	0	0	0
Stage 3	-6.45	0	0.01	0	0	0	0
Stage 3	-6.65	0	0.01	0	0.01	0	0
Stage 3	-6.65	0	0.01	0	0.01	0	0
Stage 3	-6.85	0	0.01	0	0.01	0	0
Stage 3	-6.85	0	0	0	0.01	0	0
Stage 3	-7.05	0	0	0	0.01	0	0
Stage 3	-7.05	0	0	0	0.01	0	0
Stage 3	-7.25	0.01	0	0	0.01	0	0
Stage 3	-7.25	0.01	0	0	0.01	0	0
Stage 3	-7.45	0.01	0	0	0.01	0	0
Stage 3	-7.45	0.01	0	0	0.01	0	0
Stage 3	-7.65	0.01	0	0	0.01	0	0
Stage 3	-7.65	0.01	0	0	0.01	0	0
Stage 3	-7.85	0.01	0	0	0.01	0	0
Stage 3	-7.85	0.01	0	0	0.01	0	0
Stage 3	-8.05	0.01	0	0	0.01	0	0
Stage 3	-8.05	0.01	0	0	0.01	0	0
Stage 3	-8.25	0	0	0	0.01	0	0
Stage 3	-8.25	0	0	0	0.01	0	0
Stage 3	-8.45	0	0	0	0.01	0	0
Stage 3	-8.45	0	0	0	0.01	0	0
Stage 3	-8.65	0	0	0	0.01	0	0
Stage 3	-8.65	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.25	0	0	0	0	0	0
Stage 3	-9.25	0	0	0	0	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-12	0	0	0	0	0	0

Tabella Risultati Parete Combinata Nominal - Stage: Stage 4

Design Assumption: Nominal Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	0	0	0	0
Stage 4	-0.2	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.02	0	0	0	0
Stage 4	-0.45	0	-0.02	0	-0.01	0	0
Stage 4	-0.45	0	-0.04	0	-0.01	0	0
Stage 4	-0.65	-0.01	-0.04	0	-0.02	0	0
Stage 4	-0.65	-0.01	-0.08	0	-0.02	0	0
Stage 4	-0.85	-0.03	-0.08	0	-0.05	0	0
Stage 4	-0.85	-0.03	-0.12	0	-0.05	0	0
Stage 4	-1.05	-0.05	-0.12	0	-0.1	0	0
Stage 4	-1.05	-0.05	-0.18	0	-0.1	0	0
Stage 4	-1.25	-0.09	-0.18	0	-0.18	0	0
Stage 4	-1.25	-0.09	-0.25	0	-0.18	0	0
Stage 4	-1.45	-0.14	-0.25	0	-0.28	0	0
Stage 4	-1.45	-0.14	-0.34	0	-0.28	0	0
Stage 4	-1.65	-0.21	-0.34	0	-0.41	0	0
Stage 4	-1.65	-0.21	-0.43	0	-0.41	0	0
Stage 4	-1.85	-0.29	-0.43	0	-0.59	0	0
Stage 4	-1.85	-0.29	-0.54	0	-0.59	0	0
Stage 4	-2.05	-0.4	-0.54	0	-0.8	0	0
Stage 4	-2.05	-0.4	-0.65	0	-0.8	0	0
Stage 4	-2.25	-0.53	-0.65	0	-1.06	0	0
Stage 4	-2.25	-0.53	-0.78	0	-1.06	0	0
Stage 4	-2.45	-0.69	-0.78	0	-1.37	0	0
Stage 4	-2.45	-0.69	-0.92	0	-1.37	0	0
Stage 4	-2.65	-0.87	-0.92	0	-1.74	0	0
Stage 4	-2.65	-0.87	-1.07	0	-1.74	0	0
Stage 4	-2.85	-1.08	-1.07	0	-2.17	0	0
Stage 4	-2.85	-1.08	-1.23	0	-2.17	0	0
Stage 4	-3.05	-1.33	-1.23	0	-2.66	0	0
Stage 4	-3.05	-1.33	-1.4	0	-2.66	0	0
Stage 4	-3.25	-1.61	-1.4	0	-3.22	0	0
Stage 4	-3.25	-1.61	-1.59	0	-3.22	0	0
Stage 4	-3.45	-1.93	-1.59	0	-3.86	0	0
Stage 4	-3.45	-1.93	-1.79	0	-3.86	0	0
Stage 4	-3.65	-2.29	-1.79	0	-4.57	0	0
Stage 4	-3.65	-2.29	-1.99	0	-4.57	0	0
Stage 4	-3.85	-2.68	-1.99	0	-5.37	0	0
Stage 4	-3.85	-2.68	-2.21	0	-5.37	0	0
Stage 4	-4.05	-3.13	-2.21	0	-6.25	0	0
Stage 4	-4.05	-3.13	-2.37	0	-6.25	0	0
Stage 4	-4.25	-3.6	-2.37	0	-7.2	0	0
Stage 4	-4.25	-3.6	-2.47	0	-7.2	0	0
Stage 4	-4.45	-4.09	-2.47	0	-8.19	0	0
Stage 4	-4.45	-4.09	-2.5	0	-8.19	0	0
Stage 4	-4.65	-4.59	-2.5	0	-9.19	0	0
Stage 4	-4.65	-4.59	-2.48	0	-9.19	0	0
Stage 4	-4.85	-5.09	-2.48	0	-10.18	0	0
Stage 4	-4.85	-5.09	-2.4	0	-10.18	0	0
Stage 4	-5.05	-5.57	-2.4	0	-11.14	0	0
Stage 4	-5.05	-5.57	-2.25	0	-11.14	0	0
Stage 4	-5.25	-6.02	-2.25	0	-12.04	0	0
Stage 4	-5.25	-6.02	-2.05	0	-12.04	0	0
Stage 4	-5.45	-6.43	-2.05	0	-12.86	0	0
Stage 4	-5.45	-6.43	-1.78	0	-12.86	0	0
Stage 4	-5.65	-6.79	-1.78	0	-13.57	0	0
Stage 4	-5.65	-6.79	-1.46	0	-13.57	0	0
Stage 4	-5.85	-7.08	-1.46	0	-14.16	0	0
Stage 4	-5.85	-7.08	-1.13	0	-14.16	0	0
Stage 4	-6.05	-7.3	-1.13	0	-14.61	0	0
Stage 4	-6.05	-7.3	-0.81	0	-14.61	0	0

Design Assumption: Nominal	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	-6.25	-7.47	-0.81	0	-14.93	0	0
Stage 4	-6.25	-7.47	-0.52	0	-14.93	0	0
Stage 4	-6.45	-7.57	-0.52	0	-15.14	0	0
Stage 4	-6.45	-7.57	-0.25	0	-15.14	0	0
Stage 4	-6.65	-7.62	-0.25	0	-15.24	0	0
Stage 4	-6.65	-7.62	0	0	-15.24	0	0
Stage 4	-6.85	-7.62	0	0	-15.24	0	0
Stage 4	-6.85	-7.62	0.24	0	-15.24	0	0
Stage 4	-7.05	-7.57	0.24	0	-15.14	0	0
Stage 4	-7.05	-7.57	0.46	0	-15.14	0	0
Stage 4	-7.25	-7.48	0.46	0	-14.96	0	0
Stage 4	-7.25	-7.48	0.66	0	-14.96	0	0
Stage 4	-7.45	-7.35	0.66	0	-14.69	0	0
Stage 4	-7.45	-7.35	0.85	0	-14.69	0	0
Stage 4	-7.65	-7.18	0.85	0	-14.35	0	0
Stage 4	-7.65	-7.18	1.03	0	-14.35	0	0
Stage 4	-7.85	-6.97	1.03	0	-13.94	0	0
Stage 4	-7.85	-6.97	1.19	0	-13.94	0	0
Stage 4	-8.05	-6.73	1.19	0	-13.47	0	0
Stage 4	-8.05	-6.73	1.34	0	-13.47	0	0
Stage 4	-8.25	-6.47	1.34	0	-12.93	0	0
Stage 4	-8.25	-6.47	1.48	0	-12.93	0	0
Stage 4	-8.45	-6.17	1.48	0	-12.34	0	0
Stage 4	-8.45	-6.17	1.6	0	-12.34	0	0
Stage 4	-8.65	-5.85	1.6	0	-11.7	0	0
Stage 4	-8.65	-5.85	1.72	0	-11.7	0	0
Stage 4	-8.85	-5.51	1.72	0	-11.01	0	0
Stage 4	-8.85	-5.51	1.83	0	-11.01	0	0
Stage 4	-9.05	-5.14	1.83	0	-10.28	0	0
Stage 4	-9.05	-5.14	1.94	0	-10.28	0	0
Stage 4	-9.25	-4.75	1.94	0	-9.5	0	0
Stage 4	-9.25	-4.75	2.03	0	-9.5	0	0
Stage 4	-9.45	-4.35	2.03	0	-8.69	0	0
Stage 4	-9.45	-4.35	2.12	0	-8.69	0	0
Stage 4	-9.65	-3.92	2.12	0	-7.84	0	0
Stage 4	-9.65	-3.92	2.2	0	-7.84	0	0
Stage 4	-9.85	-3.48	2.2	0	-6.96	0	0
Stage 4	-9.85	-3.48	2.28	0	-6.96	0	0
Stage 4	-10.05	-3.03	2.28	0	-6.05	0	0
Stage 4	-10.05	-3.03	2.35	0	-6.05	0	0
Stage 4	-10.25	-2.56	2.35	0	-5.11	0	0
Stage 4	-10.25	-2.56	2.32	0	-5.11	0	0
Stage 4	-10.45	-2.09	2.32	0	-4.18	0	0
Stage 4	-10.45	-2.09	2.21	0	-4.18	0	0
Stage 4	-10.65	-1.65	2.21	0	-3.3	0	0
Stage 4	-10.65	-1.65	2.05	0	-3.3	0	0
Stage 4	-10.85	-1.24	2.05	0	-2.48	0	0
Stage 4	-10.85	-1.24	1.83	0	-2.48	0	0
Stage 4	-11.05	-0.87	1.83	0	-1.74	0	0
Stage 4	-11.05	-0.87	1.57	0	-1.74	0	0
Stage 4	-11.25	-0.56	1.57	0	-1.12	0	0
Stage 4	-11.25	-0.56	1.26	0	-1.12	0	0
Stage 4	-11.45	-0.31	1.26	0	-0.61	0	0
Stage 4	-11.45	-0.31	0.9	0	-0.61	0	0
Stage 4	-11.65	-0.13	0.9	0	-0.25	0	0
Stage 4	-11.65	-0.13	0.51	0	-0.25	0	0
Stage 4	-11.85	-0.02	0.51	0	-0.05	0	0
Stage 4	-11.85	-0.02	0.16	0	-0.05	0	0
Stage 4	-12	0	0.16	0	0	0	0

Grafico Momento Singola Gamba Nominal

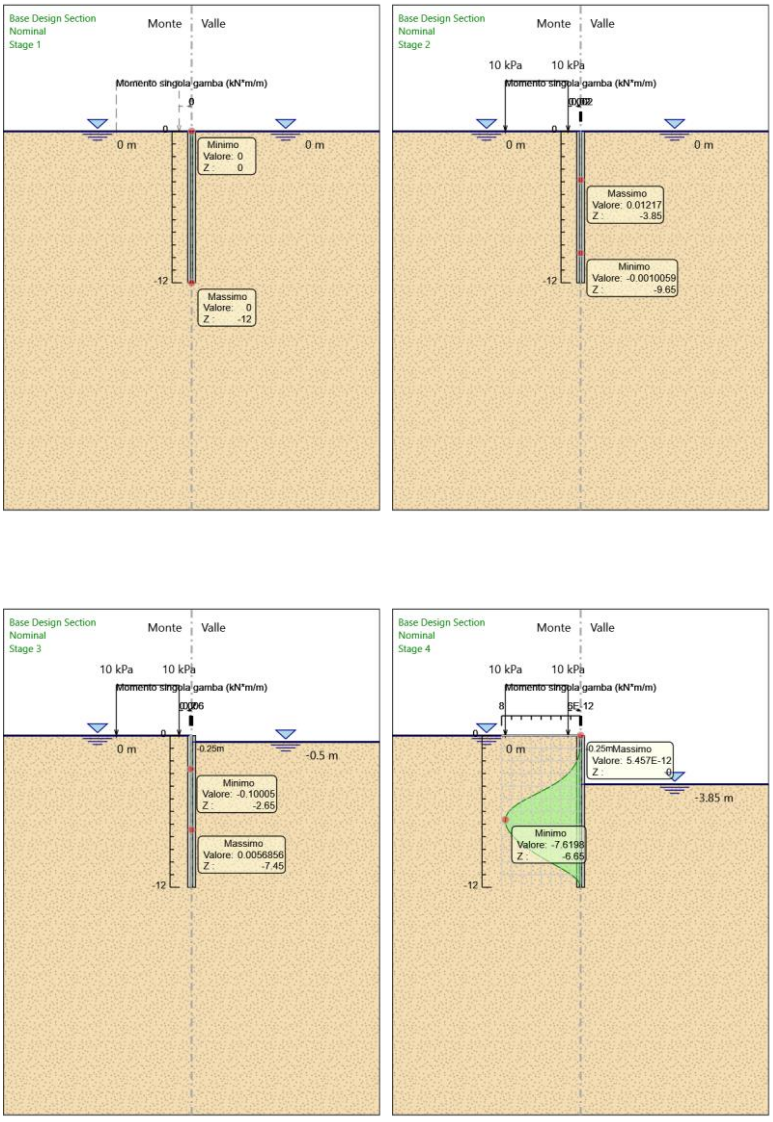


Grafico Taglio Singola Gamba Nominal

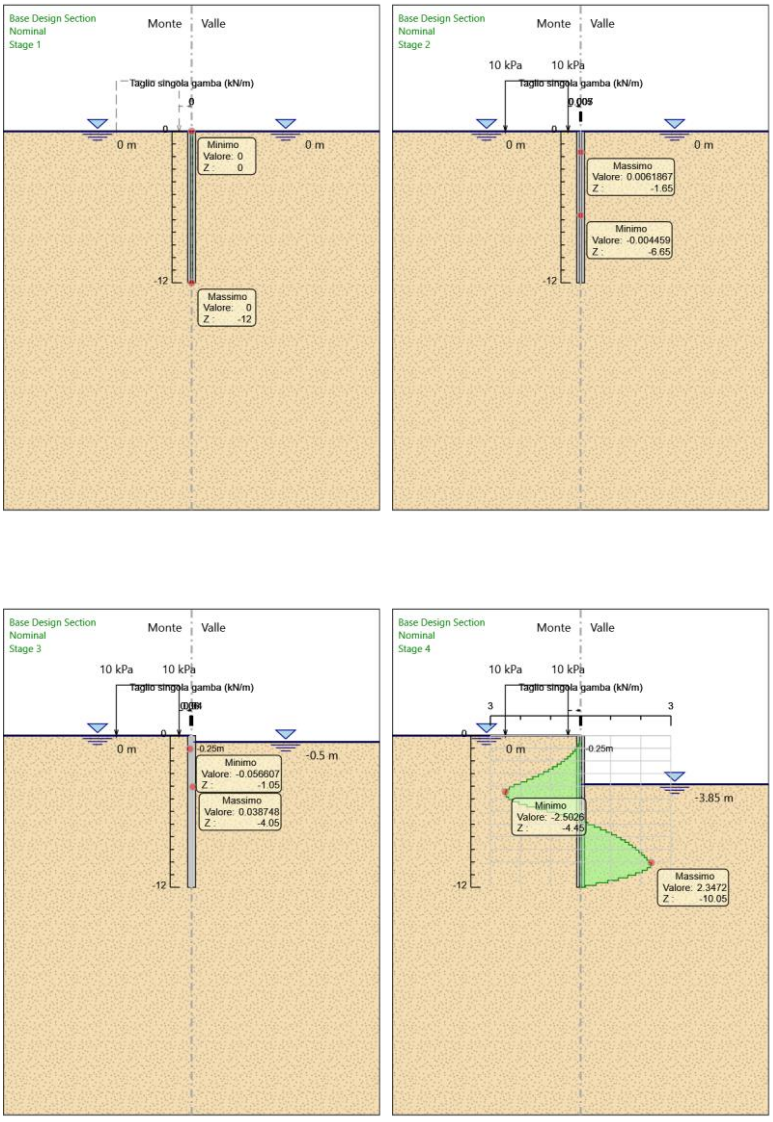
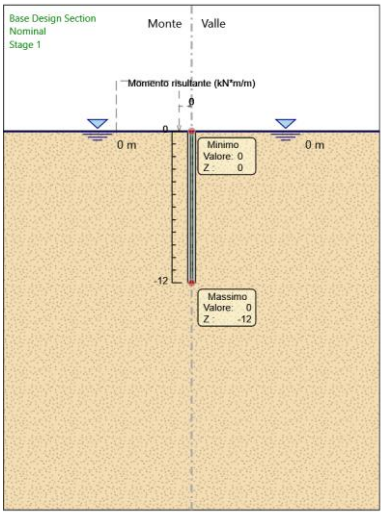
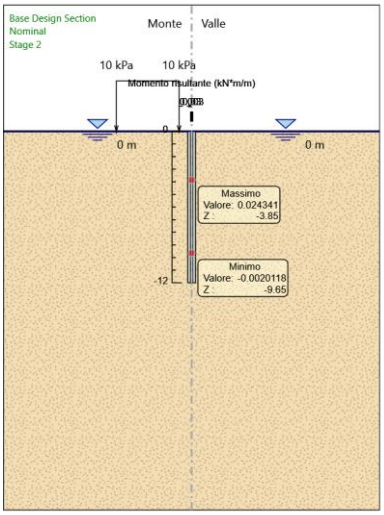
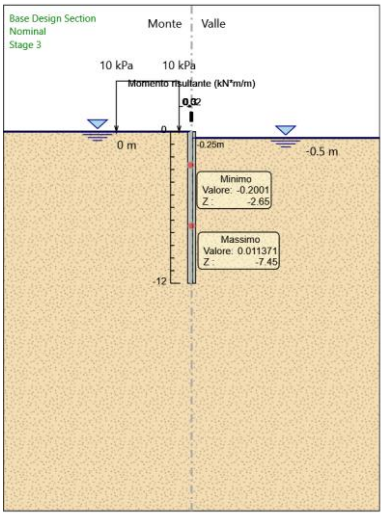


Grafico Momento Risultante Nominal







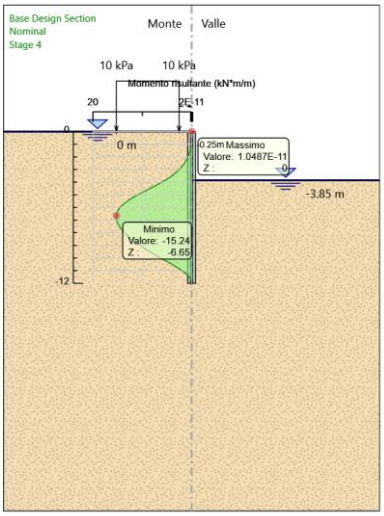


Grafico Azioni Assiali (sx) Nominal

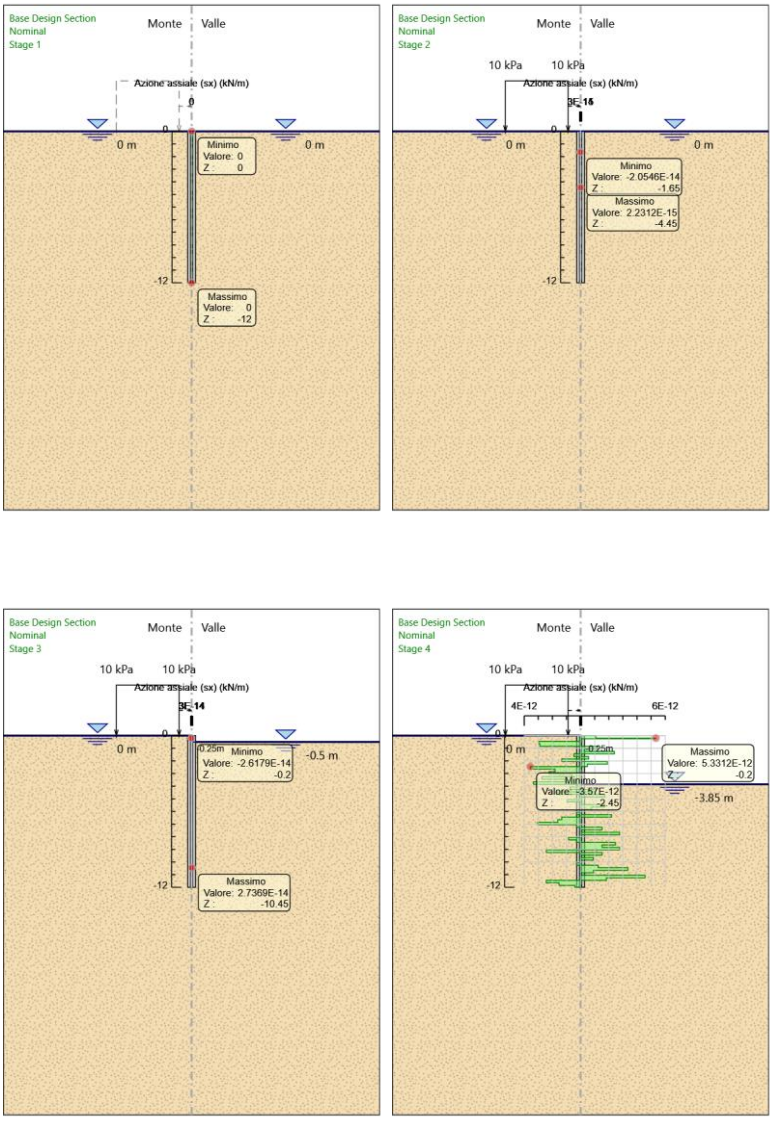


Grafico Forza nel Giunto Nominal

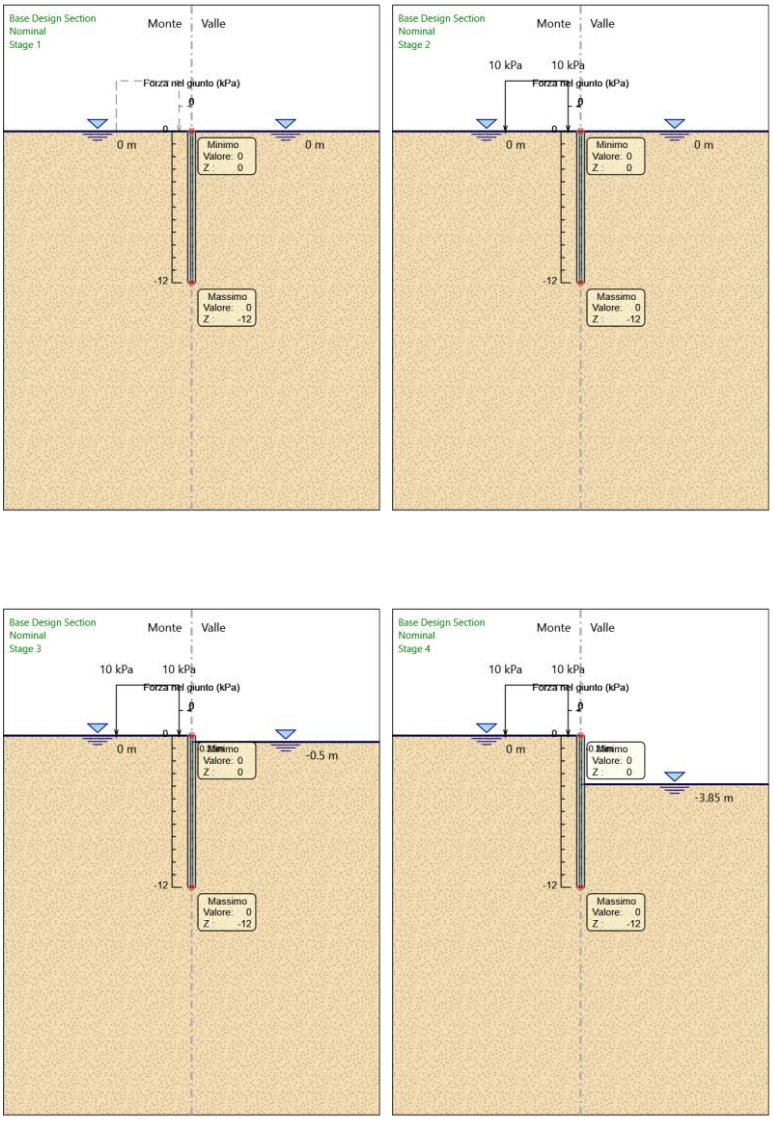
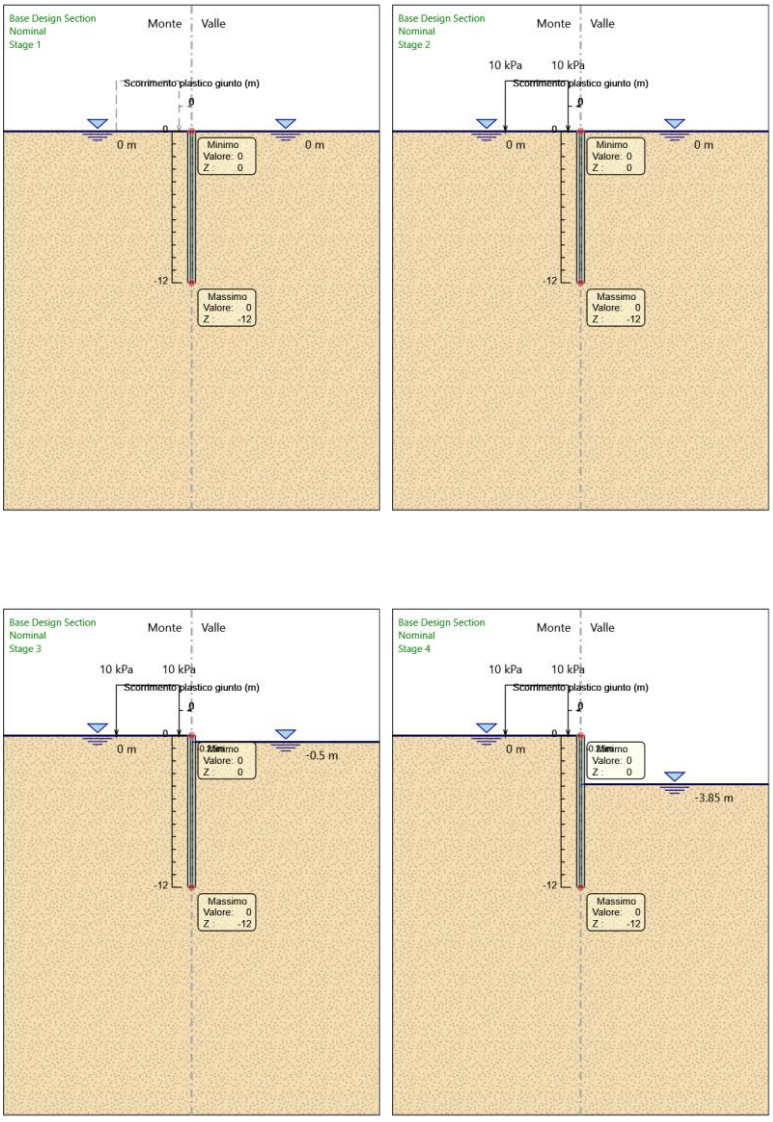


Grafico Scorrimento Plastico Giunto Nominal



Risultati Terreno

Tabella Risultati Terreno Left Wall - Nominal - Stage 1

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 1	0	0	0	V-C	0.249	6.738	0	0	0	0	0
Stage 1	-0.2	2.2	1.1	V-C	0.249	6.738	0	2	0	0	3.1
Stage 1	-0.25	2.75	1.375	V-C	0.249	6.738	0	2.5	0	0	3.875
Stage 1	-0.45	4.95	2.475	V-C	0.249	6.738	0	4.5	0	0	6.975
Stage 1	-0.65	7.15	3.575	V-C	0.249	6.738	0	6.5	0	0	10.075
Stage 1	-0.85	9.35	4.675	V-C	0.249	6.738	0	8.5	0	0	13.175
Stage 1	-1.05	11.55	5.775	V-C	0.249	6.738	0	10.5	0	0	16.275
Stage 1	-1.25	13.75	6.875	V-C	0.249	6.738	0	12.5	0	0	19.375
Stage 1	-1.45	15.95	7.975	V-C	0.249	6.738	0	14.5	0	0	22.475
Stage 1	-1.65	18.15	9.075	V-C	0.249	6.738	0	16.5	0	0	25.575
Stage 1	-1.85	20.35	10.175	V-C	0.249	6.738	0	18.5	0	0	28.675
Stage 1	-2.05	22.55	11.275	V-C	0.249	6.738	0	20.5	0	0	31.775
Stage 1	-2.25	24.75	12.375	V-C	0.249	6.738	0	22.5	0	0	34.875
Stage 1	-2.45	26.95	13.475	V-C	0.249	6.738	0	24.5	0	0	37.975
Stage 1	-2.65	29.15	14.575	V-C	0.249	6.738	0	26.5	0	0	41.075
Stage 1	-2.85	31.35	15.675	V-C	0.249	6.738	0	28.5	0	0	44.175
Stage 1	-3.05	33.55	16.775	V-C	0.249	6.738	0	30.5	0	0	47.275
Stage 1	-3.25	35.75	17.875	V-C	0.249	6.738	0	32.5	0	0	50.375
Stage 1	-3.45	37.95	18.975	V-C	0.249	6.738	0	34.5	0	0	53.475
Stage 1	-3.65	40.15	20.075	V-C	0.249	6.738	0	36.5	0	0	56.575
Stage 1	-3.85	42.35	21.175	V-C	0.249	6.738	0	38.5	0	0	59.675
Stage 1	-4.05	44.55	22.275	V-C	0.249	6.738	0	40.5	0	0	62.775
Stage 1	-4.25	46.75	23.375	V-C	0.249	6.738	0	42.5	0	0	65.875
Stage 1	-4.45	48.95	24.475	V-C	0.249	6.738	0	44.5	0	0	68.975
Stage 1	-4.65	51.15	25.575	V-C	0.249	6.738	0	46.5	0	0	72.075
Stage 1	-4.85	53.35	26.675	V-C	0.249	6.738	0	48.5	0	0	75.175
Stage 1	-5.05	55.55	27.775	V-C	0.249	6.738	0	50.5	0	0	78.275
Stage 1	-5.25	57.75	28.875	V-C	0.249	6.738	0	52.5	0	0	81.375
Stage 1	-5.45	59.95	29.975	V-C	0.249	6.738	0	54.5	0	0	84.475
Stage 1	-5.65	62.15	31.075	V-C	0.249	6.738	0	56.5	0	0	87.575
Stage 1	-5.85	64.35	32.175	V-C	0.249	6.738	0	58.5	0	0	90.675
Stage 1	-6.05	66.55	33.275	V-C	0.249	6.738	0	60.5	0	0	93.775
Stage 1	-6.25	68.75	34.375	V-C	0.249	6.738	0	62.5	0	0	96.875
Stage 1	-6.45	70.95	35.475	V-C	0.249	6.738	0	64.5	0	0	99.975
Stage 1	-6.65	73.15	36.575	V-C	0.249	6.738	0	66.5	0	0	103.075
Stage 1	-6.85	75.35	37.675	V-C	0.249	6.738	0	68.5	0	0	106.175
Stage 1	-7.05	77.55	38.775	V-C	0.249	6.738	0	70.5	0	0	109.275
Stage 1	-7.25	79.75	39.875	V-C	0.249	6.738	0	72.5	0	0	112.375
Stage 1	-7.45	81.95	40.975	V-C	0.249	6.738	0	74.5	0	0	115.475
Stage 1	-7.65	84.15	42.075	V-C	0.249	6.738	0	76.5	0	0	118.575
Stage 1	-7.85	86.35	43.175	V-C	0.249	6.738	0	78.5	0	0	121.675
Stage 1	-8.05	88.55	44.275	V-C	0.249	6.738	0	80.5	0	0	124.775
Stage 1	-8.25	90.75	45.375	V-C	0.249	6.738	0	82.5	0	0	127.875
Stage 1	-8.45	92.95	46.475	V-C	0.249	6.738	0	84.5	0	0	130.975
Stage 1	-8.65	95.15	47.575	V-C	0.249	6.738	0	86.5	0	0	134.075
Stage 1	-8.85	97.35	48.675	V-C	0.249	6.738	0	88.5	0	0	137.175
Stage 1	-9.05	99.55	49.775	V-C	0.249	6.738	0	90.5	0	0	140.275
Stage 1	-9.25	101.75	50.875	V-C	0.249	6.738	0	92.5	0	0	143.375
Stage 1	-9.45	103.95	51.975	V-C	0.249	6.738	0	94.5	0	0	146.475
Stage 1	-9.65	106.15	53.075	V-C	0.249	6.738	0	96.5	0	0	149.575
Stage 1	-9.85	108.35	54.175	V-C	0.249	6.738	0	98.5	0	0	152.675
Stage 1	-10.05	110.55	55.275	V-C	0.249	6.738	0	100.5	0	0	155.775
Stage 1	-10.25	112.75	56.375	V-C	0.249	6.738	0	102.5	0	0	158.875
Stage 1	-10.45	114.95	57.475	V-C	0.249	6.738	0	104.5	0	0	161.975
Stage 1	-10.65	117.15	58.575	V-C	0.249	6.738	0	106.5	0	0	165.075
Stage 1	-10.85	119.35	59.675	V-C	0.249	6.738	0	108.5	0	0	168.175
Stage 1	-11.05	121.55	60.775	V-C	0.249	6.738	0	110.5	0	0	171.275
Stage 1	-11.25	123.75	61.875	V-C	0.249	6.738	0	112.5	0	0	174.375
Stage 1	-11.45	125.95	62.975	V-C	0.249	6.738	0	114.5	0	0	177.475
Stage 1	-11.65	128.15	64.075	V-C	0.249	6.738	0	116.5	0	0	180.575
Stage 1	-11.85	130.35	65.175	V-C	0.249	6.738	0	118.5	0	0	183.675
Stage 1	-12	132	66	V-C	0.249	6.738	0	120	0	0	186

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 1	0	0	0	V-C	0.249	6.738	0	0	0	0	0
Stage 1	-0.2	2.2	1.1	V-C	0.249	6.738	0	2	0	0	3.1
Stage 1	-0.25	2.75	1.375	V-C	0.249	6.738	0	2.5	0	0	3.875
Stage 1	-0.45	4.95	2.475	V-C	0.249	6.738	0	4.5	0	0	6.975
Stage 1	-0.65	7.15	3.575	V-C	0.249	6.738	0	6.5	0	0	10.075
Stage 1	-0.85	9.35	4.675	V-C	0.249	6.738	0	8.5	0	0	13.175
Stage 1	-1.05	11.55	5.775	V-C	0.249	6.738	0	10.5	0	0	16.275
Stage 1	-1.25	13.75	6.875	V-C	0.249	6.738	0	12.5	0	0	19.375
Stage 1	-1.45	15.95	7.975	V-C	0.249	6.738	0	14.5	0	0	22.475
Stage 1	-1.65	18.15	9.075	V-C	0.249	6.738	0	16.5	0	0	25.575
Stage 1	-1.85	20.35	10.175	V-C	0.249	6.738	0	18.5	0	0	28.675
Stage 1	-2.05	22.55	11.275	V-C	0.249	6.738	0	20.5	0	0	31.775
Stage 1	-2.25	24.75	12.375	V-C	0.249	6.738	0	22.5	0	0	34.875
Stage 1	-2.45	26.95	13.475	V-C	0.249	6.738	0	24.5	0	0	37.975
Stage 1	-2.65	29.15	14.575	V-C	0.249	6.738	0	26.5	0	0	41.075
Stage 1	-2.85	31.35	15.675	V-C	0.249	6.738	0	28.5	0	0	44.175
Stage 1	-3.05	33.55	16.775	V-C	0.249	6.738	0	30.5	0	0	47.275
Stage 1	-3.25	35.75	17.875	V-C	0.249	6.738	0	32.5	0	0	50.375
Stage 1	-3.45	37.95	18.975	V-C	0.249	6.738	0	34.5	0	0	53.475
Stage 1	-3.65	40.15	20.075	V-C	0.249	6.738	0	36.5	0	0	56.575
Stage 1	-3.85	42.35	21.175	V-C	0.249	6.738	0	38.5	0	0	59.675
Stage 1	-4.05	44.55	22.275	V-C	0.249	6.738	0	40.5	0	0	62.775
Stage 1	-4.25	46.75	23.375	V-C	0.249	6.738	0	42.5	0	0	65.875
Stage 1	-4.45	48.95	24.475	V-C	0.249	6.738	0	44.5	0	0	68.975
Stage 1	-4.65	51.15	25.575	V-C	0.249	6.738	0	46.5	0	0	72.075
Stage 1	-4.85	53.35	26.675	V-C	0.249	6.738	0	48.5	0	0	75.175
Stage 1	-5.05	55.55	27.775	V-C	0.249	6.738	0	50.5	0	0	78.275
Stage 1	-5.25	57.75	28.875	V-C	0.249	6.738	0	52.5	0	0	81.375
Stage 1	-5.45	59.95	29.975	V-C	0.249	6.738	0	54.5	0	0	84.475
Stage 1	-5.65	62.15	31.075	V-C	0.249	6.738	0	56.5	0	0	87.575
Stage 1	-5.85	64.35	32.175	V-C	0.249	6.738	0	58.5	0	0	90.675
Stage 1	-6.05	66.55	33.275	V-C	0.249	6.738	0	60.5	0	0	93.775
Stage 1	-6.25	68.75	34.375	V-C	0.249	6.738	0	62.5	0	0	96.875
Stage 1	-6.45	70.95	35.475	V-C	0.249	6.738	0	64.5	0	0	99.975
Stage 1	-6.65	73.15	36.575	V-C	0.249	6.738	0	66.5	0	0	103.075
Stage 1	-6.85	75.35	37.675	V-C	0.249	6.738	0	68.5	0	0	106.175
Stage 1	-7.05	77.55	38.775	V-C	0.249	6.738	0	70.5	0	0	109.275
Stage 1	-7.25	79.75	39.875	V-C	0.249	6.738	0	72.5	0	0	112.375
Stage 1	-7.45	81.95	40.975	V-C	0.249	6.738	0	74.5	0	0	115.475
Stage 1	-7.65	84.15	42.075	V-C	0.249	6.738	0	76.5	0	0	118.575
Stage 1	-7.85	86.35	43.175	V-C	0.249	6.738	0	78.5	0	0	121.675
Stage 1	-8.05	88.55	44.275	V-C	0.249	6.738	0	80.5	0	0	124.775
Stage 1	-8.25	90.75	45.375	V-C	0.249	6.738	0	82.5	0	0	127.875
Stage 1	-8.45	92.95	46.475	V-C	0.249	6.738	0	84.5	0	0	130.975
Stage 1	-8.65	95.15	47.575	V-C	0.249	6.738	0	86.5	0	0	134.075
Stage 1	-8.85	97.35	48.675	V-C	0.249	6.738	0	88.5	0	0	137.175
Stage 1	-9.05	99.55	49.775	V-C	0.249	6.738	0	90.5	0	0	140.275
Stage 1	-9.25	101.75	50.875	V-C	0.249	6.738	0	92.5	0	0	143.375
Stage 1	-9.45	103.95	51.975	V-C	0.249	6.738	0	94.5	0	0	146.475
Stage 1	-9.65	106.15	53.075	V-C	0.249	6.738	0	96.5	0	0	149.575
Stage 1	-9.85	108.35	54.175	V-C	0.249	6.738	0	98.5	0	0	152.675
Stage 1	-10.05	110.55	55.275	V-C	0.249	6.738	0	100.5	0	0	155.775
Stage 1	-10.25	112.75	56.375	V-C	0.249	6.738	0	102.5	0	0	158.875
Stage 1	-10.45	114.95	57.475	V-C	0.249	6.738	0	104.5	0	0	161.975
Stage 1	-10.65	117.15	58.575	V-C	0.249	6.738	0	106.5	0	0	165.075
Stage 1	-10.85	119.35	59.675	V-C	0.249	6.738	0	108.5	0	0	168.175
Stage 1	-11.05	121.55	60.775	V-C	0.249	6.738	0	110.5	0	0	171.275
Stage 1	-11.25	123.75	61.875	V-C	0.249	6.738	0	112.5	0	0	174.375
Stage 1	-11.45	125.95	62.975	V-C	0.249	6.738	0	114.5	0	0	177.475
Stage 1	-11.65	128.15	64.075	V-C	0.249	6.738	0	116.5	0	0	180.575
Stage 1	-11.85	130.35	65.175	V-C	0.249	6.738	0	118.5	0	0	183.675
Stage 1	-12	132	66	V-C	0.249	6.738	0	120	0	0	186

Tabella Risultati Terreno Left Wall - Nominal - Stage 2

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	0	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 2	-0.2	2.216	1.029	UL-RL	0.249	6.738	0	2	0	0	3.029
Stage 2	-0.25	2.781	1.281	UL-RL	0.249	6.738	0	2.5	0	0	3.781
Stage 2	-0.45	5.104	2.322	UL-RL	0.249	6.738	0	4.5	0	0	6.822
Stage 2	-0.65	7.528	3.414	UL-RL	0.249	6.738	0	6.5	0	0	9.914
Stage 2	-0.85	10.016	4.538	UL-RL	0.249	6.738	0	8.5	0	0	13.038
Stage 2	-1.05	12.527	5.674	UL-RL	0.249	6.738	0	10.5	0	0	16.174
Stage 2	-1.25	15.031	6.807	UL-RL	0.249	6.738	0	12.5	0	0	19.307
Stage 2	-1.45	17.62	7.985	UL-RL	0.249	6.738	0	14.5	0	0	22.485
Stage 2	-1.65	20.325	9.222	UL-RL	0.249	6.738	0	16.5	0	0	25.722
Stage 2	-1.85	22.94	10.416	UL-RL	0.249	6.738	0	18.5	0	0	28.916
Stage 2	-2.05	25.488	11.581	UL-RL	0.249	6.738	0	20.5	0	0	32.081
Stage 2	-2.25	27.983	12.723	UL-RL	0.249	6.738	0	22.5	0	0	35.223
Stage 2	-2.45	30.437	13.849	UL-RL	0.249	6.738	0	24.5	0	0	38.349
Stage 2	-2.65	32.859	14.963	UL-RL	0.249	6.738	0	26.5	0	0	41.463
Stage 2	-2.85	35.253	16.069	UL-RL	0.249	6.738	0	28.5	0	0	44.569
Stage 2	-3.05	37.625	17.17	UL-RL	0.249	6.738	0	30.5	0	0	47.67
Stage 2	-3.25	39.979	18.268	UL-RL	0.249	6.738	0	32.5	0	0	50.768
Stage 2	-3.45	42.388	19.399	UL-RL	0.249	6.738	0	34.5	0	0	53.899
Stage 2	-3.65	44.709	20.492	UL-RL	0.249	6.738	0	36.5	0	0	56.993
Stage 2	-3.85	47.018	21.587	UL-RL	0.249	6.738	0	38.5	0	0	60.087
Stage 2	-4.05	49.318	22.682	UL-RL	0.249	6.738	0	40.5	0	0	63.182
Stage 2	-4.25	51.55	23.751	UL-RL	0.249	6.738	0	42.5	0	0	66.251
Stage 2	-4.45	53.837	24.853	UL-RL	0.249	6.738	0	44.5	0	0	69.353
Stage 2	-4.65	56.116	25.957	UL-RL	0.249	6.738	0	46.5	0	0	72.457
Stage 2	-4.85	58.39	27.065	UL-RL	0.249	6.738	0	48.5	0	0	75.565
Stage 2	-5.05	60.658	28.176	UL-RL	0.249	6.738	0	50.5	0	0	78.676
Stage 2	-5.25	62.922	29.291	UL-RL	0.249	6.738	0	52.5	0	0	81.791
Stage 2	-5.45	65.181	30.409	UL-RL	0.249	6.738	0	54.5	0	0	84.909
Stage 2	-5.65	67.436	31.531	UL-RL	0.249	6.738	0	56.5	0	0	88.031
Stage 2	-5.85	69.688	32.657	UL-RL	0.249	6.738	0	58.5	0	0	91.157
Stage 2	-6.05	71.896	33.765	UL-RL	0.249	6.738	0	60.5	0	0	94.265
Stage 2	-6.25	73.981	34.817	UL-RL	0.249	6.738	0	62.5	0	0	97.317
Stage 2	-6.45	76.072	35.876	UL-RL	0.249	6.738	0	64.5	0	0	100.376
Stage 2	-6.65	78.167	36.941	UL-RL	0.249	6.738	0	66.5	0	0	103.441
Stage 2	-6.85	80.266	38.011	UL-RL	0.249	6.738	0	68.5	0	0	106.511
Stage 2	-7.05	82.369	39.087	UL-RL	0.249	6.738	0	70.5	0	0	109.587
Stage 2	-7.25	84.476	40.167	UL-RL	0.249	6.738	0	72.5	0	0	112.667
Stage 2	-7.45	86.587	41.251	UL-RL	0.249	6.738	0	74.5	0	0	115.751
Stage 2	-7.65	88.701	42.338	UL-RL	0.249	6.738	0	76.5	0	0	118.838
Stage 2	-7.85	90.818	43.428	UL-RL	0.249	6.738	0	78.5	0	0	121.928
Stage 2	-8.05	92.939	44.52	UL-RL	0.249	6.738	0	80.5	0	0	125.02
Stage 2	-8.25	95.062	45.614	UL-RL	0.249	6.738	0	82.5	0	0	128.114
Stage 2	-8.45	97.188	46.71	UL-RL	0.249	6.738	0	84.5	0	0	131.21
Stage 2	-8.65	99.316	47.808	UL-RL	0.249	6.738	0	86.5	0	0	134.308
Stage 2	-8.85	101.447	48.906	UL-RL	0.249	6.738	0	88.5	0	0	137.406
Stage 2	-9.05	103.58	50.005	UL-RL	0.249	6.738	0	90.5	0	0	140.505
Stage 2	-9.25	105.715	51.105	UL-RL	0.249	6.738	0	92.5	0	0	143.605
Stage 2	-9.45	107.852	52.206	UL-RL	0.249	6.738	0	94.5	0	0	146.706
Stage 2	-9.65	109.992	53.307	UL-RL	0.249	6.738	0	96.5	0	0	149.807
Stage 2	-9.85	112.133	54.409	UL-RL	0.249	6.738	0	98.5	0	0	152.909
Stage 2	-10.05	114.276	55.511	UL-RL	0.249	6.738	0	100.5	0	0	156.011
Stage 2	-10.25	116.42	56.613	UL-RL	0.249	6.738	0	102.5	0	0	159.113
Stage 2	-10.45	118.567	57.716	UL-RL	0.249	6.738	0	104.5	0	0	162.216
Stage 2	-10.65	120.714	58.819	UL-RL	0.249	6.738	0	106.5	0	0	165.319
Stage 2	-10.85	122.864	59.922	UL-RL	0.249	6.738	0	108.5	0	0	168.422
Stage 2	-11.05	125.015	61.026	UL-RL	0.249	6.738	0	110.5	0	0	171.526
Stage 2	-11.25	127.167	62.13	UL-RL	0.249	6.738	0	112.5	0	0	174.63
Stage 2	-11.45	129.32	63.235	UL-RL	0.249	6.738	0	114.5	0	0	177.735
Stage 2	-11.65	131.475	64.34	UL-RL	0.249	6.738	0	116.5	0	0	180.84
Stage 2	-11.85	133.631	65.446	UL-RL	0.249	6.738	0	118.5	0	0	183.946
Stage 2	-12	135.249	66.276	UL-RL	0.249	6.738	0	120	0	0	186.276

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 2	-0.2	2.2	1.113	V-C	0.249	6.738	0	2	0	0	3.113
Stage 2	-0.25	2.75	1.393	V-C	0.249	6.738	0	2.5	0	0	3.893
Stage 2	-0.45	4.95	2.513	V-C	0.249	6.738	0	4.5	0	0	7.013
Stage 2	-0.65	7.15	3.633	V-C	0.249	6.738	0	6.5	0	0	10.133
Stage 2	-0.85	9.35	4.753	V-C	0.249	6.738	0	8.5	0	0	13.253
Stage 2	-1.05	11.55	5.873	V-C	0.249	6.738	0	10.5	0	0	16.373
Stage 2	-1.25	13.75	6.992	V-C	0.249	6.738	0	12.5	0	0	19.492
Stage 2	-1.45	15.95	8.112	V-C	0.249	6.738	0	14.5	0	0	22.612
Stage 2	-1.65	18.15	9.231	V-C	0.249	6.738	0	16.5	0	0	25.731
Stage 2	-1.85	20.35	10.35	V-C	0.249	6.738	0	18.5	0	0	28.85
Stage 2	-2.05	22.55	11.468	V-C	0.249	6.738	0	20.5	0	0	31.968
Stage 2	-2.25	24.75	12.585	V-C	0.249	6.738	0	22.5	0	0	35.085
Stage 2	-2.45	26.95	13.702	V-C	0.249	6.738	0	24.5	0	0	38.202
Stage 2	-2.65	29.15	14.818	V-C	0.249	6.738	0	26.5	0	0	41.318
Stage 2	-2.85	31.35	15.933	V-C	0.249	6.738	0	28.5	0	0	44.433
Stage 2	-3.05	33.55	17.047	V-C	0.249	6.738	0	30.5	0	0	47.547
Stage 2	-3.25	35.75	18.16	V-C	0.249	6.738	0	32.5	0	0	50.66
Stage 2	-3.45	37.95	19.272	V-C	0.249	6.738	0	34.5	0	0	53.772
Stage 2	-3.65	40.15	20.384	V-C	0.249	6.738	0	36.5	0	0	56.884
Stage 2	-3.85	42.35	21.494	V-C	0.249	6.738	0	38.5	0	0	59.994
Stage 2	-4.05	44.55	22.603	V-C	0.249	6.738	0	40.5	0	0	63.103
Stage 2	-4.25	46.75	23.71	V-C	0.249	6.738	0	42.5	0	0	66.21
Stage 2	-4.45	48.95	24.817	V-C	0.249	6.738	0	44.5	0	0	69.317
Stage 2	-4.65	51.15	25.923	V-C	0.249	6.738	0	46.5	0	0	72.423
Stage 2	-4.85	53.35	27.028	V-C	0.249	6.738	0	48.5	0	0	75.528
Stage 2	-5.05	55.55	28.132	V-C	0.249	6.738	0	50.5	0	0	78.632
Stage 2	-5.25	57.75	29.235	V-C	0.249	6.738	0	52.5	0	0	81.735
Stage 2	-5.45	59.95	30.336	V-C	0.249	6.738	0	54.5	0	0	84.836
Stage 2	-5.65	62.15	31.437	V-C	0.249	6.738	0	56.5	0	0	87.937
Stage 2	-5.85	64.35	32.538	V-C	0.249	6.738	0	58.5	0	0	91.038
Stage 2	-6.05	66.55	33.637	V-C	0.249	6.738	0	60.5	0	0	94.137
Stage 2	-6.25	68.75	34.735	V-C	0.249	6.738	0	62.5	0	0	97.235
Stage 2	-6.45	70.95	35.833	V-C	0.249	6.738	0	64.5	0	0	100.333
Stage 2	-6.65	73.15	36.93	V-C	0.249	6.738	0	66.5	0	0	103.43
Stage 2	-6.85	75.35	38.027	V-C	0.249	6.738	0	68.5	0	0	106.527
Stage 2	-7.05	77.55	39.123	V-C	0.249	6.738	0	70.5	0	0	109.623
Stage 2	-7.25	79.75	40.218	V-C	0.249	6.738	0	72.5	0	0	112.718
Stage 2	-7.45	81.95	41.314	V-C	0.249	6.738	0	74.5	0	0	115.814
Stage 2	-7.65	84.15	42.409	V-C	0.249	6.738	0	76.5	0	0	118.908
Stage 2	-7.85	86.35	43.503	V-C	0.249	6.738	0	78.5	0	0	122.003
Stage 2	-8.05	88.55	44.598	V-C	0.249	6.738	0	80.5	0	0	125.098
Stage 2	-8.25	90.75	45.693	V-C	0.249	6.738	0	82.5	0	0	128.193
Stage 2	-8.45	92.95	46.787	V-C	0.249	6.738	0	84.5	0	0	131.287
Stage 2	-8.65	95.15	47.882	V-C	0.249	6.738	0	86.5	0	0	134.382
Stage 2	-8.85	97.35	48.976	V-C	0.249	6.738	0	88.5	0	0	137.476
Stage 2	-9.05	99.55	50.071	V-C	0.249	6.738	0	90.5	0	0	140.571
Stage 2	-9.25	101.75	51.165	V-C	0.249	6.738	0	92.5	0	0	143.665
Stage 2	-9.45	103.95	52.26	V-C	0.249	6.738	0	94.5	0	0	146.76
Stage 2	-9.65	106.15	53.355	V-C	0.249	6.738	0	96.5	0	0	149.855
Stage 2	-9.85	108.35	54.45	V-C	0.249	6.738	0	98.5	0	0	152.95
Stage 2	-10.05	110.55	55.545	V-C	0.249	6.738	0	100.5	0	0	156.045
Stage 2	-10.25	112.75	56.64	V-C	0.249	6.738	0	102.5	0	0	159.14
Stage 2	-10.45	114.95	57.735	V-C	0.249	6.738	0	104.5	0	0	162.235
Stage 2	-10.65	117.15	58.83	V-C	0.249	6.738	0	106.5	0	0	165.33
Stage 2	-10.85	119.35	59.925	V-C	0.249	6.738	0	108.5	0	0	168.425
Stage 2	-11.05	121.55	61.02	V-C	0.249	6.738	0	110.5	0	0	171.52
Stage 2	-11.25	123.75	62.116	V-C	0.249	6.738	0	112.5	0	0	174.616
Stage 2	-11.45	125.95	63.211	V-C	0.249	6.738	0	114.5	0	0	177.711
Stage 2	-11.65	128.15	64.306	V-C	0.249	6.738	0	116.5	0	0	180.806
Stage 2	-11.85	130.35	65.402	V-C	0.249	6.738	0	118.5	0	0	183.902
Stage 2	-12	132	66.223	V-C	0.249	6.738	0	120	0	0	186.223

Tabella Risultati Terreno Left Wall - Nominal - Stage 3

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 3	-0.2	2.259	0.562	ACTIVE	0.249	6.738	0	1.957	0.021	0	2.52
Stage 3	-0.25	2.834	0.706	ACTIVE	0.249	6.738	0	2.447	0.021	0	3.152
Stage 3	-0.45	5.2	1.295	ACTIVE	0.249	6.738	0	4.404	0.021	0	5.699
Stage 3	-0.65	7.666	1.909	ACTIVE	0.249	6.738	0	6.362	0.021	0	8.27
Stage 3	-0.85	10.197	2.539	ACTIVE	0.249	6.738	0	8.319	0.021	0	10.858
Stage 3	-1.05	12.75	3.175	ACTIVE	0.249	6.738	0	10.277	0.021	0	13.451
Stage 3	-1.25	15.297	3.809	ACTIVE	0.249	6.738	0	12.234	0.021	0	16.043
Stage 3	-1.45	17.929	4.464	ACTIVE	0.249	6.738	0	14.191	0.021	0	18.656
Stage 3	-1.65	20.676	5.148	ACTIVE	0.249	6.738	0	16.149	0.021	0	21.297
Stage 3	-1.85	23.334	5.81	ACTIVE	0.249	6.738	0	18.106	0.021	0	23.916
Stage 3	-2.05	25.924	6.455	ACTIVE	0.249	6.738	0	20.064	0.021	0	26.519
Stage 3	-2.25	28.462	7.087	ACTIVE	0.249	6.738	0	22.021	0.021	0	29.108
Stage 3	-2.45	30.959	7.709	ACTIVE	0.249	6.738	0	23.979	0.021	0	31.687
Stage 3	-2.65	33.422	8.515	UL-RL	0.249	6.738	0	25.936	0.021	0	34.451
Stage 3	-2.85	35.859	10.213	UL-RL	0.249	6.738	0	27.894	0.021	0	38.107
Stage 3	-3.05	38.274	11.848	UL-RL	0.249	6.738	0	29.851	0.021	0	41.699
Stage 3	-3.25	40.67	13.422	UL-RL	0.249	6.738	0	31.809	0.021	0	45.231
Stage 3	-3.45	43.122	14.976	UL-RL	0.249	6.738	0	33.766	0.021	0	48.742
Stage 3	-3.65	45.485	16.44	UL-RL	0.249	6.738	0	35.723	0.021	0	52.164
Stage 3	-3.85	47.837	17.857	UL-RL	0.249	6.738	0	37.681	0.021	0	55.538
Stage 3	-4.05	50.179	19.231	UL-RL	0.249	6.738	0	39.638	0.021	0	58.869
Stage 3	-4.25	52.454	20.537	UL-RL	0.249	6.738	0	41.596	0.021	0	62.133
Stage 3	-4.45	54.783	21.841	UL-RL	0.249	6.738	0	43.553	0.021	0	65.394
Stage 3	-4.65	57.106	23.115	UL-RL	0.249	6.738	0	45.511	0.021	0	68.626
Stage 3	-4.85	59.422	24.364	UL-RL	0.249	6.738	0	47.468	0.021	0	71.833
Stage 3	-5.05	61.733	25.593	UL-RL	0.249	6.738	0	49.426	0.021	0	75.018
Stage 3	-5.25	64.039	26.804	UL-RL	0.249	6.738	0	51.383	0.021	0	78.187
Stage 3	-5.45	66.341	28.002	UL-RL	0.249	6.738	0	53.34	0.021	0	81.342
Stage 3	-5.65	68.639	29.189	UL-RL	0.249	6.738	0	55.298	0.021	0	84.487
Stage 3	-5.85	70.933	30.369	UL-RL	0.249	6.738	0	57.255	0.021	0	87.624
Stage 3	-6.05	73.183	31.522	UL-RL	0.249	6.738	0	59.213	0.021	0	90.735
Stage 3	-6.25	75.311	32.612	UL-RL	0.249	6.738	0	61.17	0.021	0	93.782
Stage 3	-6.45	77.444	33.704	UL-RL	0.249	6.738	0	63.128	0.021	0	96.832
Stage 3	-6.65	79.582	34.799	UL-RL	0.249	6.738	0	65.085	0.021	0	99.885
Stage 3	-6.85	81.723	35.898	UL-RL	0.249	6.738	0	67.043	0.021	0	102.941
Stage 3	-7.05	83.869	37.001	UL-RL	0.249	6.738	0	69	0.021	0	106.001
Stage 3	-7.25	86.019	38.109	UL-RL	0.249	6.738	0	70.957	0.021	0	109.066
Stage 3	-7.45	88.172	39.221	UL-RL	0.249	6.738	0	72.915	0.021	0	112.136
Stage 3	-7.65	90.329	40.338	UL-RL	0.249	6.738	0	74.872	0.021	0	115.21
Stage 3	-7.85	92.489	41.459	UL-RL	0.249	6.738	0	76.83	0.021	0	118.289
Stage 3	-8.05	94.652	42.585	UL-RL	0.249	6.738	0	78.787	0.021	0	121.372
Stage 3	-8.25	96.817	43.715	UL-RL	0.249	6.738	0	80.745	0.021	0	124.459
Stage 3	-8.45	98.986	44.849	UL-RL	0.249	6.738	0	82.702	0.021	0	127.551
Stage 3	-8.65	101.156	45.986	UL-RL	0.249	6.738	0	84.66	0.021	0	130.645
Stage 3	-8.85	103.33	47.126	UL-RL	0.249	6.738	0	86.617	0.021	0	133.744
Stage 3	-9.05	105.505	48.27	UL-RL	0.249	6.738	0	88.574	0.021	0	136.844
Stage 3	-9.25	107.683	49.416	UL-RL	0.249	6.738	0	90.532	0.021	0	139.948
Stage 3	-9.45	109.863	50.564	UL-RL	0.249	6.738	0	92.489	0.021	0	143.054
Stage 3	-9.65	112.045	51.715	UL-RL	0.249	6.738	0	94.447	0.021	0	146.162
Stage 3	-9.85	114.228	52.867	UL-RL	0.249	6.738	0	96.404	0.021	0	149.271
Stage 3	-10.05	116.414	54.021	UL-RL	0.249	6.738	0	98.362	0.021	0	152.383
Stage 3	-10.25	118.601	55.176	UL-RL	0.249	6.738	0	100.319	0.021	0	155.495
Stage 3	-10.45	120.79	56.332	UL-RL	0.249	6.738	0	102.277	0.021	0	158.609
Stage 3	-10.65	122.98	57.489	UL-RL	0.249	6.738	0	104.234	0.021	0	161.723
Stage 3	-10.85	125.172	58.648	UL-RL	0.249	6.738	0	106.191	0.021	0	164.839
Stage 3	-11.05	127.366	59.807	UL-RL	0.249	6.738	0	108.149	0.021	0	167.956
Stage 3	-11.25	129.56	60.966	UL-RL	0.249	6.738	0	110.106	0.021	0	171.073
Stage 3	-11.45	131.756	62.127	UL-RL	0.249	6.738	0	112.064	0.021	0	174.19
Stage 3	-11.65	133.954	63.288	UL-RL	0.249	6.738	0	114.021	0.021	0	177.309
Stage 3	-11.85	136.152	64.449	UL-RL	0.249	6.738	0	115.979	0.021	0	180.428
Stage 3	-12	137.802	65.321	UL-RL	0.249	6.738	0	117.447	0.021	0	182.768

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.65	1.618	5.493	V-C	0.249	6.738	0	1.532	0.021	0	7.025
Stage 3	-0.85	3.776	6.511	V-C	0.249	6.738	0	3.574	0.021	0	10.085
Stage 3	-1.05	5.933	7.497	V-C	0.249	6.738	0	5.617	0.021	0	13.114
Stage 3	-1.25	8.09	8.475	V-C	0.249	6.738	0	7.66	0.021	0	16.134
Stage 3	-1.45	10.248	9.451	V-C	0.249	6.738	0	9.702	0.021	0	19.153
Stage 3	-1.65	12.405	10.43	V-C	0.249	6.738	0	11.745	0.021	0	22.175
Stage 3	-1.85	14.563	11.413	V-C	0.249	6.738	0	13.787	0.021	0	25.2
Stage 3	-2.05	16.72	12.401	V-C	0.249	6.738	0	15.83	0.021	0	28.231
Stage 3	-2.25	18.878	13.396	V-C	0.249	6.738	0	17.872	0.021	0	31.268
Stage 3	-2.45	21.035	14.398	V-C	0.249	6.738	0	19.915	0.021	0	34.313
Stage 3	-2.65	23.193	15.408	V-C	0.249	6.738	0	21.957	0.021	0	37.366
Stage 3	-2.85	25.35	16.427	V-C	0.249	6.738	0	24	0.021	0	40.427
Stage 3	-3.05	27.507	17.454	V-C	0.249	6.738	0	26.043	0.021	0	43.497
Stage 3	-3.25	29.665	18.49	V-C	0.249	6.738	0	28.085	0.021	0	46.575
Stage 3	-3.45	31.822	19.533	V-C	0.249	6.738	0	30.128	0.021	0	49.661
Stage 3	-3.65	33.98	20.584	V-C	0.249	6.738	0	32.17	0.021	0	52.754
Stage 3	-3.85	36.137	21.641	V-C	0.249	6.738	0	34.213	0.021	0	55.854
Stage 3	-4.05	38.295	22.705	V-C	0.249	6.738	0	36.255	0.021	0	58.96
Stage 3	-4.25	40.452	23.774	V-C	0.249	6.738	0	38.298	0.021	0	62.072
Stage 3	-4.45	42.61	24.828	UL-RL	0.249	6.738	0	40.34	0.021	0	65.168
Stage 3	-4.65	44.767	25.869	UL-RL	0.249	6.738	0	42.383	0.021	0	68.252
Stage 3	-4.85	46.924	26.924	UL-RL	0.249	6.738	0	44.426	0.021	0	71.349
Stage 3	-5.05	49.082	27.989	UL-RL	0.249	6.738	0	46.468	0.021	0	74.457
Stage 3	-5.25	51.239	29.063	UL-RL	0.249	6.738	0	48.511	0.021	0	77.574
Stage 3	-5.45	53.397	30.136	UL-RL	0.249	6.738	0	50.553	0.021	0	80.689
Stage 3	-5.65	55.554	31.205	UL-RL	0.249	6.738	0	52.596	0.021	0	83.801
Stage 3	-5.85	57.712	32.28	UL-RL	0.249	6.738	0	54.638	0.021	0	86.918
Stage 3	-6.05	59.869	33.358	UL-RL	0.249	6.738	0	56.681	0.021	0	90.038
Stage 3	-6.25	62.027	34.438	UL-RL	0.249	6.738	0	58.723	0.021	0	93.161
Stage 3	-6.45	64.184	35.52	UL-RL	0.249	6.738	0	60.766	0.021	0	96.286
Stage 3	-6.65	66.341	36.603	UL-RL	0.249	6.738	0	62.808	0.021	0	99.411
Stage 3	-6.85	68.499	37.686	UL-RL	0.249	6.738	0	64.851	0.021	0	102.537
Stage 3	-7.05	70.656	38.769	UL-RL	0.249	6.738	0	66.894	0.021	0	105.662
Stage 3	-7.25	72.814	39.851	UL-RL	0.249	6.738	0	68.936	0.021	0	108.788
Stage 3	-7.45	74.971	40.933	UL-RL	0.249	6.738	0	70.979	0.021	0	111.912
Stage 3	-7.65	77.129	42.014	UL-RL	0.249	6.738	0	73.021	0.021	0	115.035
Stage 3	-7.85	79.286	43.094	UL-RL	0.249	6.738	0	75.064	0.021	0	118.157
Stage 3	-8.05	81.444	44.172	UL-RL	0.249	6.738	0	77.106	0.021	0	121.278
Stage 3	-8.25	83.601	45.249	UL-RL	0.249	6.738	0	79.149	0.021	0	124.398
Stage 3	-8.45	85.758	46.326	UL-RL	0.249	6.738	0	81.191	0.021	0	127.517
Stage 3	-8.65	87.916	47.401	UL-RL	0.249	6.738	0	83.234	0.021	0	130.635
Stage 3	-8.85	90.073	48.475	UL-RL	0.249	6.738	0	85.277	0.021	0	133.751
Stage 3	-9.05	92.231	49.547	UL-RL	0.249	6.738	0	87.319	0.021	0	136.867
Stage 3	-9.25	94.388	50.62	UL-RL	0.249	6.738	0	89.362	0.021	0	139.981
Stage 3	-9.45	96.546	51.691	UL-RL	0.249	6.738	0	91.404	0.021	0	143.095
Stage 3	-9.65	98.703	52.761	UL-RL	0.249	6.738	0	93.447	0.021	0	146.208
Stage 3	-9.85	100.861	53.831	UL-RL	0.249	6.738	0	95.489	0.021	0	149.321
Stage 3	-10.05	103.018	54.901	UL-RL	0.249	6.738	0	97.532	0.021	0	152.433
Stage 3	-10.25	105.176	55.97	UL-RL	0.249	6.738	0	99.574	0.021	0	155.544
Stage 3	-10.45	107.333	57.038	UL-RL	0.249	6.738	0	101.617	0.021	0	158.655
Stage 3	-10.65	109.49	58.107	UL-RL	0.249	6.738	0	103.66	0.021	0	161.766
Stage 3	-10.85	111.648	59.175	UL-RL	0.249	6.738	0	105.702	0.021	0	164.877
Stage 3	-11.05	113.805	60.243	UL-RL	0.249	6.738	0	107.745	0.021	0	167.988
Stage 3	-11.25	115.963	61.311	UL-RL	0.249	6.738	0	109.787	0.021	0	171.098
Stage 3	-11.45	118.12	62.379	UL-RL	0.249	6.738	0	111.83	0.021	0	174.209
Stage 3	-11.65	120.278	63.447	UL-RL	0.249	6.738	0	113.872	0.021	0	177.319
Stage 3	-11.85	122.435	64.515	UL-RL	0.249	6.738	0	115.915	0.021	0	180.429
Stage 3	-12	124.053	65.315	UL-RL	0.249	6.738	0	117.447	0.021	0	182.762

Tabella Risultati Terreno Left Wall - Nominal - Stage 4

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 4	-0.2	2.598	0.647	ACTIVE	0.249	6.738	0	1.618	0.191	0	2.265
Stage 4	-0.25	3.258	0.811	ACTIVE	0.249	6.738	0	2.022	0.191	0	2.834
Stage 4	-0.45	5.964	1.485	ACTIVE	0.249	6.738	0	3.64	0.191	0	5.125
Stage 4	-0.65	8.769	2.184	ACTIVE	0.249	6.738	0	5.258	0.191	0	7.442
Stage 4	-0.85	11.64	2.898	ACTIVE	0.249	6.738	0	6.876	0.191	0	9.774
Stage 4	-1.05	14.533	3.619	ACTIVE	0.249	6.738	0	8.494	0.191	0	12.113
Stage 4	-1.25	17.42	4.337	ACTIVE	0.249	6.738	0	10.112	0.191	0	14.449
Stage 4	-1.45	20.391	5.077	ACTIVE	0.249	6.738	0	11.73	0.191	0	16.807
Stage 4	-1.65	23.478	5.846	ACTIVE	0.249	6.738	0	13.347	0.191	0	19.193
Stage 4	-1.85	26.475	6.592	ACTIVE	0.249	6.738	0	14.965	0.191	0	21.557
Stage 4	-2.05	29.404	7.322	ACTIVE	0.249	6.738	0	16.583	0.191	0	23.905
Stage 4	-2.25	32.282	8.038	ACTIVE	0.249	6.738	0	18.201	0.191	0	26.239
Stage 4	-2.45	35.118	8.744	ACTIVE	0.249	6.738	0	19.819	0.191	0	28.563
Stage 4	-2.65	37.922	9.443	ACTIVE	0.249	6.738	0	21.437	0.191	0	30.879
Stage 4	-2.85	40.698	10.134	ACTIVE	0.249	6.738	0	23.055	0.191	0	33.188
Stage 4	-3.05	43.453	10.82	ACTIVE	0.249	6.738	0	24.672	0.191	0	35.492
Stage 4	-3.25	46.188	11.501	ACTIVE	0.249	6.738	0	26.29	0.191	0	37.791
Stage 4	-3.45	48.98	12.196	ACTIVE	0.249	6.738	0	27.908	0.191	0	40.104
Stage 4	-3.65	51.683	12.869	ACTIVE	0.249	6.738	0	29.526	0.191	0	42.395
Stage 4	-3.85	54.374	13.539	ACTIVE	0.249	6.738	0	31.144	0.191	0	44.683
Stage 4	-4.05	57.056	14.207	ACTIVE	0.249	6.738	0	32.762	0.191	0	46.969
Stage 4	-4.25	59.671	14.858	ACTIVE	0.249	6.738	0	34.38	0.191	0	49.238
Stage 4	-4.45	62.339	15.522	ACTIVE	0.249	6.738	0	35.998	0.191	0	51.52
Stage 4	-4.65	65.001	16.185	ACTIVE	0.249	6.738	0	37.615	0.191	0	53.801
Stage 4	-4.85	67.657	16.847	ACTIVE	0.249	6.738	0	39.233	0.191	0	56.08
Stage 4	-5.05	70.307	17.506	ACTIVE	0.249	6.738	0	40.851	0.191	0	58.358
Stage 4	-5.25	72.953	18.165	ACTIVE	0.249	6.738	0	42.469	0.191	0	60.634
Stage 4	-5.45	75.594	18.823	ACTIVE	0.249	6.738	0	44.087	0.191	0	62.91
Stage 4	-5.65	78.232	19.48	ACTIVE	0.249	6.738	0	45.705	0.191	0	65.184
Stage 4	-5.85	80.866	20.136	ACTIVE	0.249	6.738	0	47.323	0.191	0	67.458
Stage 4	-6.05	83.455	20.78	ACTIVE	0.249	6.738	0	48.94	0.191	0	69.721
Stage 4	-6.25	85.923	21.395	ACTIVE	0.249	6.738	0	50.558	0.191	0	71.953
Stage 4	-6.45	88.395	22.01	ACTIVE	0.249	6.738	0	52.176	0.191	0	74.187
Stage 4	-6.65	90.873	22.627	ACTIVE	0.249	6.738	0	53.794	0.191	0	76.421
Stage 4	-6.85	93.354	23.245	ACTIVE	0.249	6.738	0	55.412	0.191	0	78.657
Stage 4	-7.05	95.839	23.864	ACTIVE	0.249	6.738	0	57.03	0.191	0	80.894
Stage 4	-7.25	98.329	24.484	ACTIVE	0.249	6.738	0	58.648	0.191	0	83.131
Stage 4	-7.45	100.822	25.105	ACTIVE	0.249	6.738	0	60.265	0.191	0	85.37
Stage 4	-7.65	103.318	25.726	ACTIVE	0.249	6.738	0	61.883	0.191	0	87.609
Stage 4	-7.85	105.817	26.348	ACTIVE	0.249	6.738	0	63.501	0.191	0	89.85
Stage 4	-8.05	108.32	26.972	ACTIVE	0.249	6.738	0	65.119	0.191	0	92.091
Stage 4	-8.25	110.825	27.595	ACTIVE	0.249	6.738	0	66.737	0.191	0	94.332
Stage 4	-8.45	113.333	28.22	ACTIVE	0.249	6.738	0	68.355	0.191	0	96.575
Stage 4	-8.65	115.843	28.845	ACTIVE	0.249	6.738	0	69.973	0.191	0	98.818
Stage 4	-8.85	118.356	29.471	ACTIVE	0.249	6.738	0	71.591	0.191	0	101.061
Stage 4	-9.05	120.871	30.097	ACTIVE	0.249	6.738	0	73.208	0.191	0	103.305
Stage 4	-9.25	123.389	30.724	ACTIVE	0.249	6.738	0	74.826	0.191	0	105.55
Stage 4	-9.45	125.908	31.351	ACTIVE	0.249	6.738	0	76.444	0.191	0	107.795
Stage 4	-9.65	128.429	31.979	ACTIVE	0.249	6.738	0	78.062	0.191	0	110.041
Stage 4	-9.85	130.953	32.607	ACTIVE	0.249	6.738	0	79.68	0.191	0	112.287
Stage 4	-10.05	133.478	33.958	UL-RL	0.249	6.738	0	81.298	0.191	0	115.256
Stage 4	-10.25	136.005	48.326	UL-RL	0.249	6.738	0	82.916	0.191	0	131.241
Stage 4	-10.45	138.533	60.427	UL-RL	0.249	6.738	0	84.534	0.191	0	144.96
Stage 4	-10.65	141.063	67.696	UL-RL	0.249	6.738	0	86.151	0.191	0	153.847
Stage 4	-10.85	143.595	74.865	UL-RL	0.249	6.738	0	87.769	0.191	0	162.634
Stage 4	-11.05	146.128	80.24	V-C	0.249	6.738	0	89.387	0.191	0	169.627
Stage 4	-11.25	148.662	85.455	V-C	0.249	6.738	0	91.005	0.191	0	176.46
Stage 4	-11.45	151.198	90.64	V-C	0.249	6.738	0	92.623	0.191	0	183.263
Stage 4	-11.65	153.734	95.808	V-C	0.249	6.738	0	94.241	0.191	0	190.048
Stage 4	-11.85	156.272	100.969	V-C	0.249	6.738	0	95.858	0.191	0	196.827
Stage 4	-12	158.177	104.839	V-C	0.249	6.738	0	97.072	0.191	0	201.911

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3.85	0	0	PASSIVE	0.249	6.738	0	0	0.191	0	0
Stage 4	-4.05	1.818	12.249	PASSIVE	0.249	6.738	0	2.382	0.191	0	14.631
Stage 4	-4.25	3.636	24.498	PASSIVE	0.249	6.738	0	4.764	0.191	0	29.262
Stage 4	-4.45	5.454	36.746	PASSIVE	0.249	6.738	0	7.146	0.191	0	43.893
Stage 4	-4.65	7.271	48.995	PASSIVE	0.249	6.738	0	9.529	0.191	0	58.524
Stage 4	-4.85	9.089	61.244	PASSIVE	0.249	6.738	0	11.911	0.191	0	73.155
Stage 4	-5.05	10.907	73.493	PASSIVE	0.249	6.738	0	14.293	0.191	0	87.785
Stage 4	-5.25	12.725	85.741	PASSIVE	0.249	6.738	0	16.675	0.191	0	102.416
Stage 4	-5.45	14.543	97.99	PASSIVE	0.249	6.738	0	19.057	0.191	0	117.047
Stage 4	-5.65	16.361	110.239	PASSIVE	0.249	6.738	0	21.439	0.191	0	131.678
Stage 4	-5.85	18.179	112.135	V-C	0.249	6.738	0	23.821	0.191	0	135.956
Stage 4	-6.05	19.997	107.558	V-C	0.249	6.738	0	26.203	0.191	0	133.761
Stage 4	-6.25	21.814	103.174	V-C	0.249	6.738	0	28.586	0.191	0	131.76
Stage 4	-6.45	23.632	98.989	V-C	0.249	6.738	0	30.968	0.191	0	129.957
Stage 4	-6.65	25.45	95.006	V-C	0.249	6.738	0	33.35	0.191	0	128.356
Stage 4	-6.85	27.268	91.227	V-C	0.249	6.738	0	35.732	0.191	0	126.959
Stage 4	-7.05	29.086	87.653	V-C	0.249	6.738	0	38.114	0.191	0	125.767
Stage 4	-7.25	30.904	84.282	V-C	0.249	6.738	0	40.496	0.191	0	124.778
Stage 4	-7.45	32.722	81.111	V-C	0.249	6.738	0	42.878	0.191	0	123.99
Stage 4	-7.65	34.539	78.139	V-C	0.249	6.738	0	45.261	0.191	0	123.399
Stage 4	-7.85	36.357	75.359	V-C	0.249	6.738	0	47.643	0.191	0	123.002
Stage 4	-8.05	38.175	72.768	V-C	0.249	6.738	0	50.025	0.191	0	122.793
Stage 4	-8.25	39.993	70.358	V-C	0.249	6.738	0	52.407	0.191	0	122.765
Stage 4	-8.45	41.811	68.123	V-C	0.249	6.738	0	54.789	0.191	0	122.912
Stage 4	-8.65	43.629	66.054	V-C	0.249	6.738	0	57.171	0.191	0	123.225
Stage 4	-8.85	45.447	64.143	V-C	0.249	6.738	0	59.553	0.191	0	123.696
Stage 4	-9.05	47.264	62.381	V-C	0.249	6.738	0	61.935	0.191	0	124.317
Stage 4	-9.25	49.082	60.758	V-C	0.249	6.738	0	64.318	0.191	0	125.076
Stage 4	-9.45	50.9	59.263	V-C	0.249	6.738	0	66.7	0.191	0	125.963
Stage 4	-9.65	52.718	57.886	V-C	0.249	6.738	0	69.082	0.191	0	126.968
Stage 4	-9.85	54.536	56.615	V-C	0.249	6.738	0	71.464	0.191	0	128.079
Stage 4	-10.05	56.354	55.223	UL-RL	0.249	6.738	0	73.846	0.191	0	129.069
Stage 4	-10.25	58.172	49.747	UL-RL	0.249	6.738	0	76.228	0.191	0	125.975
Stage 4	-10.45	59.99	44.477	UL-RL	0.249	6.738	0	78.61	0.191	0	123.088
Stage 4	-10.65	61.807	39.378	UL-RL	0.249	6.738	0	80.992	0.191	0	120.37
Stage 4	-10.85	63.625	34.412	UL-RL	0.249	6.738	0	83.375	0.191	0	117.786
Stage 4	-11.05	65.443	29.546	UL-RL	0.249	6.738	0	85.757	0.191	0	115.303
Stage 4	-11.25	67.261	24.751	UL-RL	0.249	6.738	0	88.139	0.191	0	112.89
Stage 4	-11.45	69.079	20.002	UL-RL	0.249	6.738	0	90.521	0.191	0	110.523
Stage 4	-11.65	70.897	17.653	ACTIVE	0.249	6.738	0	92.903	0.191	0	110.556
Stage 4	-11.85	72.715	18.106	ACTIVE	0.249	6.738	0	95.285	0.191	0	113.391
Stage 4	-12	74.078	18.445	ACTIVE	0.249	6.738	0	97.072	0.191	0	115.517

Grafico Risultati Terreno Sigma V

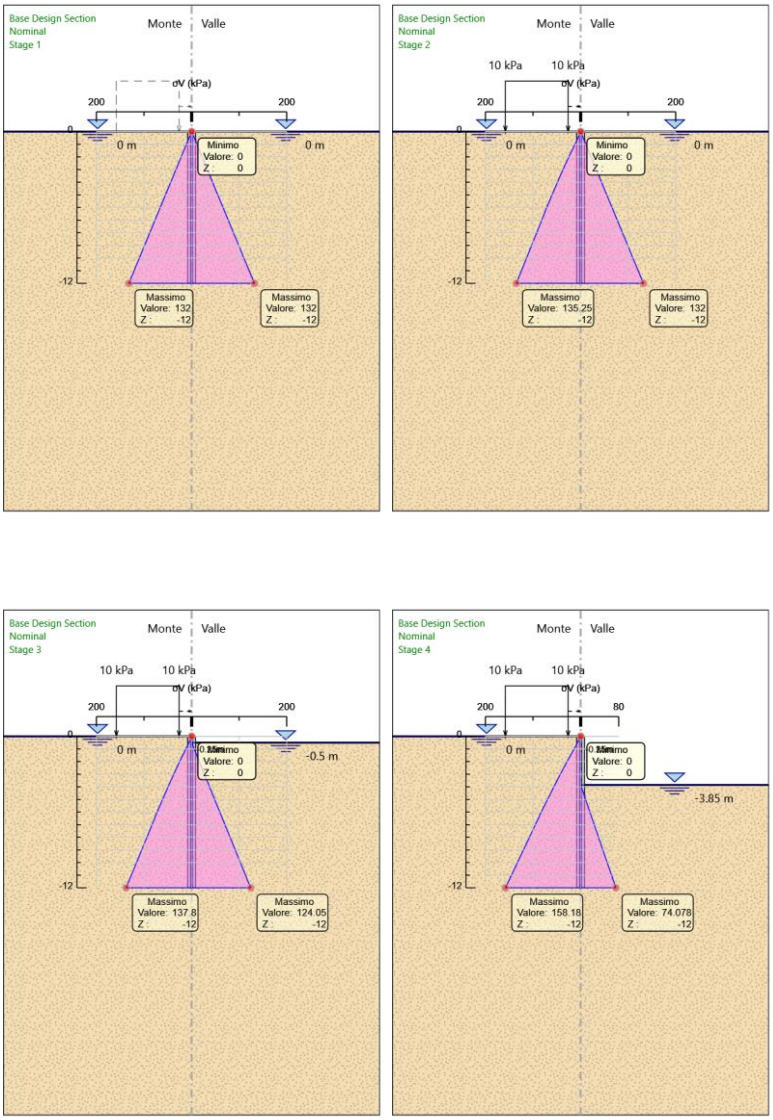
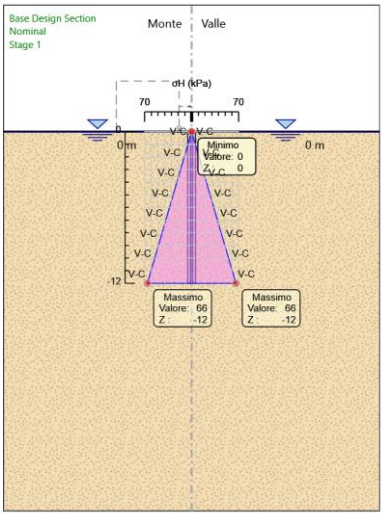
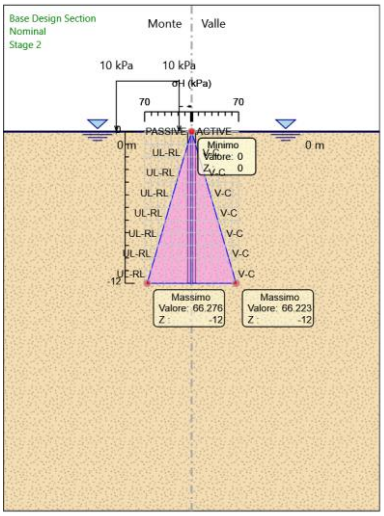
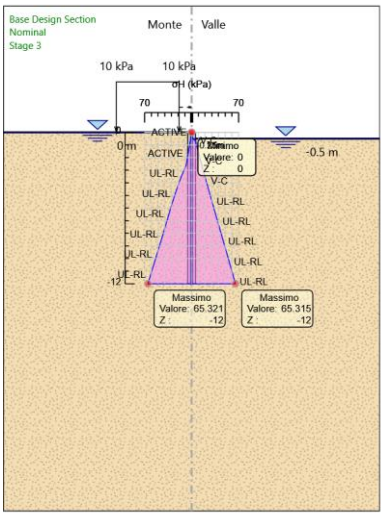


Grafico Risultati Terreno Sigma H







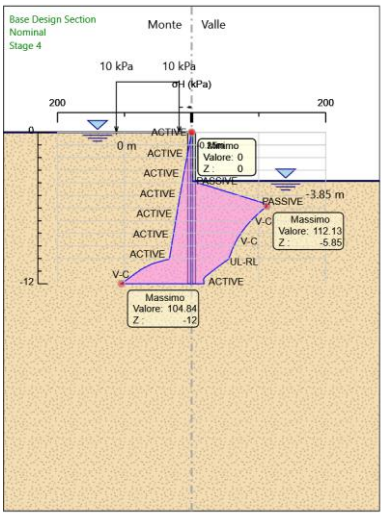


Grafico Risultati Terreno Pressione neutra

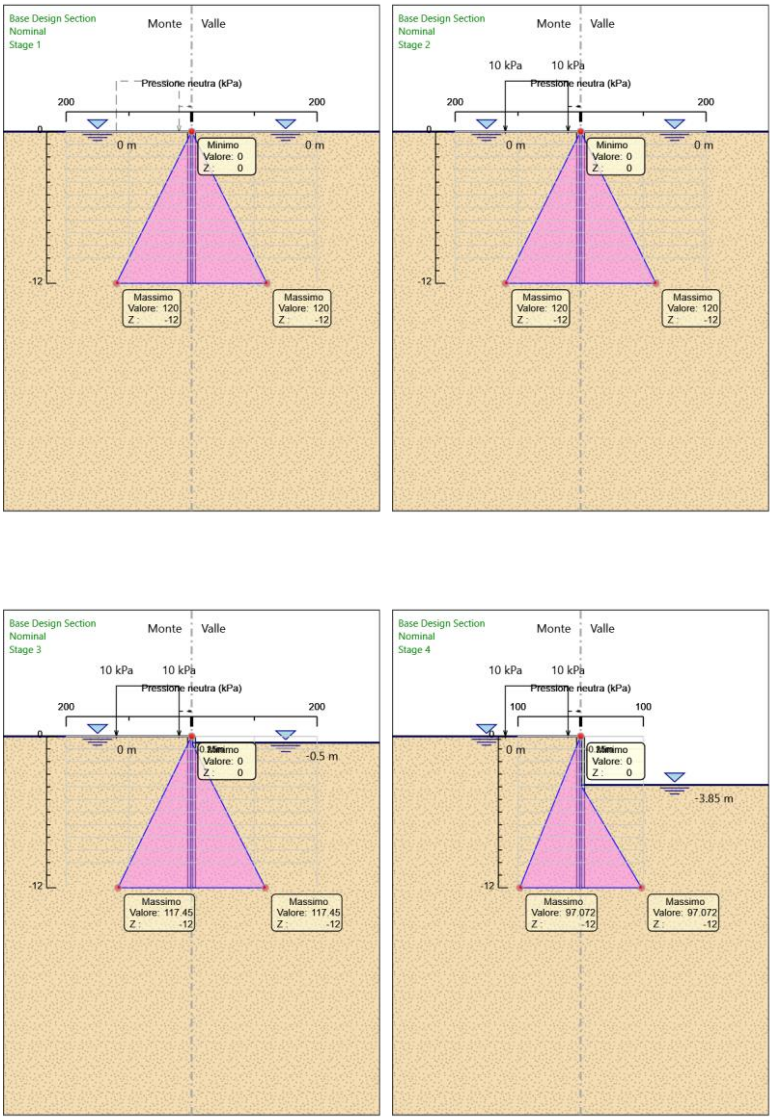
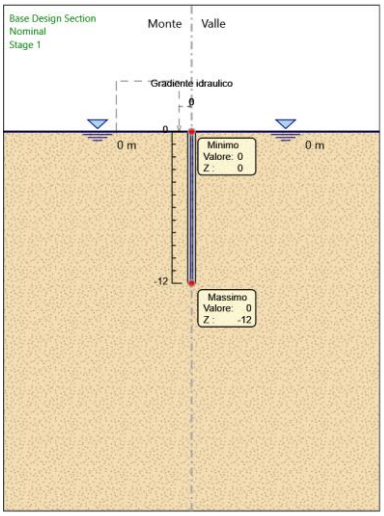
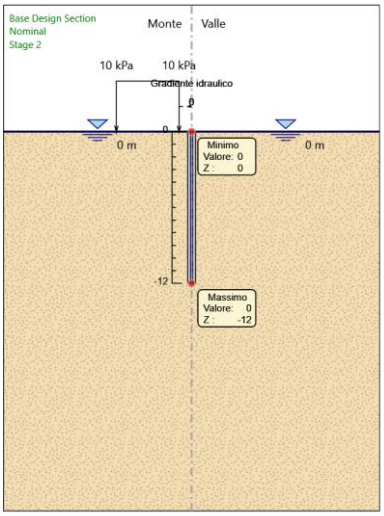
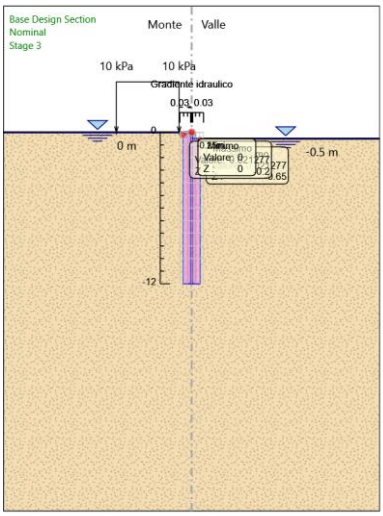


Grafico Risultati Terreno Gradiente idraulico







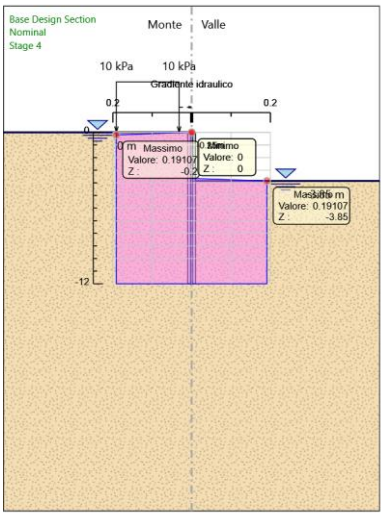
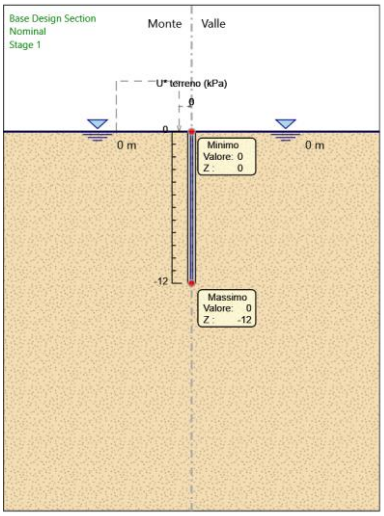
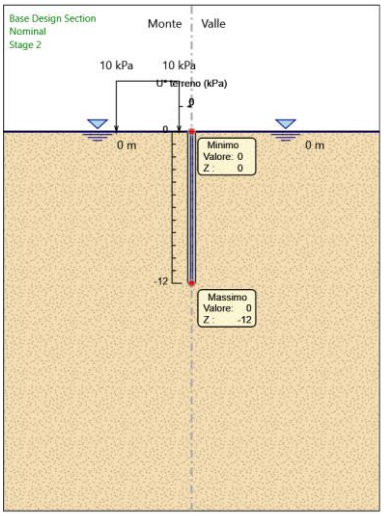
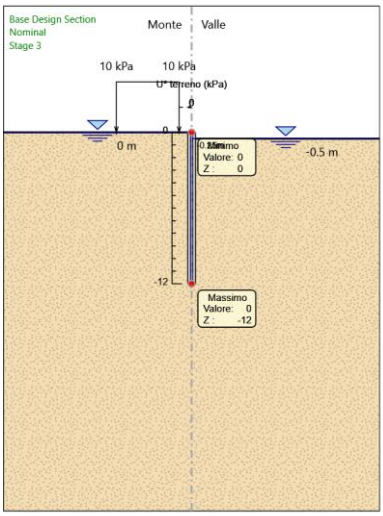
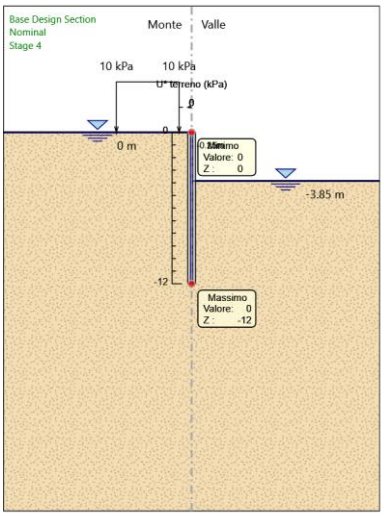


Grafico Risultati Terreno U* terreno









Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	396	720	1116	2.5	5336.5	7.42%	158.4
Stage 2	399.2	720	1119.2	2.5	5639.8	7.08%	159.68
Stage 3	368.6	704.7	1073.3	2.6	5743	6.42%	141.77
Stage 4	321.6	582.4	904	3	6566.7	4.9%	107.2

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	396	720	1116	2.5	5336.5	7.42%	158.4
Stage 2	399.2	720	1119.2	2.5	5336.5	7.48%	159.68
Stage 3	397.9	675.4	1073.3	2.3	4806.5	8.28%	173
Stage 4	508.4	395.6	904	1.4	2034	25%	363.14

Descrizione Coefficienti Design Assumption

Coefficienti A

Nome	Carichi Permanenti Sfavorevoli (F_dead_load_unfavour)	Carichi Permanenti Favorevoli (F_dead_load_favour)	Carichi Variabili Sfavorevoli (F_live_load_unfavour)	Carichi Variabili Favorevoli (F_live_load_favour)	Carico Sismico (F_seism_load)	Pressioni Acqua Lato Monte (F_WaterDR)	Pressioni Acqua Lato Valle (F_WaterRes)	Carichi Permanenti Destabilizzanti (F_UPL_GDStab)	Carichi Permanenti Stabilizzanti (F_UPL_GStab)	Carichi Variabili Destabilizzanti (F_UPL_QDStab)	Carichi Permanenti Destabilizzanti (F_HYD_GDStab)	Carichi Permanenti Stabilizzanti (F_HYD_GStab)	Carichi Variabili Destabilizzanti (F_HYD_QDStab)
Simbolo	γG	γG	γQ	γQ	γQE	γG	γG	γGdst	γGstb	γQdst	γGdst	γGstb	γQdst
Nominal	1	1	1	1	1	1	1	1	1	1	1	1	1
SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1	0	1	1	1	1	1	1	1	1
A1+M1+R1 (R3 per tiranti)	1.3	1	1.5	1	0	1.3	1	1	1	1	1.3	0.9	1
A2+M2+R1	1	1	1.3	1	0	1	1	1	1	1	1.3	0.9	1

Coefficienti M

Nome	Parziale su tan(ø') (F_Fr)	Parziale su c' (F_eff_cohe)	Parziale su Su (F_Su)	Parziale su qu (F_qu)	Parziale su peso specifico (F_gamma)
Simbolo	γϕ	γc	γcu	γqu	γγ
Nominal	1	1	1	1	1
SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1	1
A1+M1+R1 (R3 per tiranti)	1	1	1	1	1
A2+M2+R1	1.25	1.25	1.4	1	1

Coefficienti R

Nome	Parziale resistenza terreno (es. Kp) (F_Soil_Res_walls)	Parziale resistenza Tiranti permanenti (F_Anch_P)	Parziale resistenza Tiranti temporanei (F_Anch_T)	Parziale elementi strutturali (F_wall)
Simbolo	γRe	γap	γat	
Nominal	1	1	1	1
SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1
A1+M1+R1 (R3 per tiranti)	1	1.2	1.1	1
A2+M2+R1	1	1.2	1.1	1

Risultati SLE (Rara/Frequente/Quasi Permanente)

Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 1

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	0	0
Stage 1	-0.2	0
Stage 1	-0.25	0
Stage 1	-0.45	0
Stage 1	-0.65	0
Stage 1	-0.85	0
Stage 1	-1.05	0
Stage 1	-1.25	0
Stage 1	-1.45	0
Stage 1	-1.65	0
Stage 1	-1.85	0
Stage 1	-2.05	0
Stage 1	-2.25	0
Stage 1	-2.45	0
Stage 1	-2.65	0
Stage 1	-2.85	0
Stage 1	-3.05	0
Stage 1	-3.25	0
Stage 1	-3.45	0
Stage 1	-3.65	0
Stage 1	-3.85	0
Stage 1	-4.05	0
Stage 1	-4.25	0
Stage 1	-4.45	0
Stage 1	-4.65	0
Stage 1	-4.85	0
Stage 1	-5.05	0
Stage 1	-5.25	0
Stage 1	-5.45	0
Stage 1	-5.65	0
Stage 1	-5.85	0
Stage 1	-6.05	0
Stage 1	-6.25	0
Stage 1	-6.45	0
Stage 1	-6.65	0
Stage 1	-6.85	0
Stage 1	-7.05	0
Stage 1	-7.25	0
Stage 1	-7.45	0
Stage 1	-7.65	0
Stage 1	-7.85	0
Stage 1	-8.05	0
Stage 1	-8.25	0
Stage 1	-8.45	0
Stage 1	-8.65	0
Stage 1	-8.85	0
Stage 1	-9.05	0
Stage 1	-9.25	0
Stage 1	-9.45	0
Stage 1	-9.65	0
Stage 1	-9.85	0
Stage 1	-10.05	0
Stage 1	-10.25	0
Stage 1	-10.45	0
Stage 1	-10.65	0
Stage 1	-10.85	0
Stage 1	-11.05	0
Stage 1	-11.25	0
Stage 1	-11.45	0
Stage 1	-11.65	0
Stage 1	-11.85	0
Stage 1	-12	0

Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 1

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.25	0	0
Stage 1	-0.45	0	0
Stage 1	-0.65	0	0
Stage 1	-0.85	0	0
Stage 1	-1.05	0	0
Stage 1	-1.25	0	0
Stage 1	-1.45	0	0
Stage 1	-1.65	0	0
Stage 1	-1.85	0	0
Stage 1	-2.05	0	0
Stage 1	-2.25	0	0
Stage 1	-2.45	0	0
Stage 1	-2.65	0	0
Stage 1	-2.85	0	0
Stage 1	-3.05	0	0
Stage 1	-3.25	0	0
Stage 1	-3.45	0	0
Stage 1	-3.65	0	0
Stage 1	-3.85	0	0
Stage 1	-4.05	0	0
Stage 1	-4.25	0	0
Stage 1	-4.45	0	0
Stage 1	-4.65	0	0
Stage 1	-4.85	0	0
Stage 1	-5.05	0	0
Stage 1	-5.25	0	0
Stage 1	-5.45	0	0
Stage 1	-5.65	0	0
Stage 1	-5.85	0	0
Stage 1	-6.05	0	0
Stage 1	-6.25	0	0
Stage 1	-6.45	0	0
Stage 1	-6.65	0	0
Stage 1	-6.85	0	0
Stage 1	-7.05	0	0
Stage 1	-7.25	0	0
Stage 1	-7.45	0	0
Stage 1	-7.65	0	0
Stage 1	-7.85	0	0
Stage 1	-8.05	0	0
Stage 1	-8.25	0	0
Stage 1	-8.45	0	0
Stage 1	-8.65	0	0
Stage 1	-8.85	0	0
Stage 1	-9.05	0	0
Stage 1	-9.25	0	0
Stage 1	-9.45	0	0
Stage 1	-9.65	0	0
Stage 1	-9.85	0	0
Stage 1	-10.05	0	0
Stage 1	-10.25	0	0
Stage 1	-10.45	0	0
Stage 1	-10.65	0	0
Stage 1	-10.85	0	0
Stage 1	-11.05	0	0
Stage 1	-11.25	0	0
Stage 1	-11.45	0	0
Stage 1	-11.65	0	0
Stage 1	-11.85	0	0
Stage 1	-12	0	0

Tabella Risultati Parete Combinata SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 1

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	0	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-12	0	0	0	0	0	0

Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 2

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	0	0
Stage 2	-0.2	0
Stage 2	-0.25	0
Stage 2	-0.45	0
Stage 2	-0.65	0
Stage 2	-0.85	0
Stage 2	-1.05	0.01
Stage 2	-1.25	0.01
Stage 2	-1.45	0.01
Stage 2	-1.65	0.01
Stage 2	-1.85	0.01
Stage 2	-2.05	0.01
Stage 2	-2.25	0.01
Stage 2	-2.45	0.01
Stage 2	-2.65	0.01
Stage 2	-2.85	0.01
Stage 2	-3.05	0.01
Stage 2	-3.25	0.02
Stage 2	-3.45	0.02
Stage 2	-3.65	0.02
Stage 2	-3.85	0.02
Stage 2	-4.05	0.02
Stage 2	-4.25	0.02
Stage 2	-4.45	0.02
Stage 2	-4.65	0.02
Stage 2	-4.85	0.02
Stage 2	-5.05	0.02
Stage 2	-5.25	0.02
Stage 2	-5.45	0.02
Stage 2	-5.65	0.02
Stage 2	-5.85	0.02
Stage 2	-6.05	0.02
Stage 2	-6.25	0.02
Stage 2	-6.45	0.02
Stage 2	-6.65	0.02
Stage 2	-6.85	0.02
Stage 2	-7.05	0.02
Stage 2	-7.25	0.02
Stage 2	-7.45	0.02
Stage 2	-7.65	0.02
Stage 2	-7.85	0.02
Stage 2	-8.05	0.02
Stage 2	-8.25	0.02
Stage 2	-8.45	0.02
Stage 2	-8.65	0.02
Stage 2	-8.85	0.02
Stage 2	-9.05	0.02
Stage 2	-9.25	0.02
Stage 2	-9.45	0.02
Stage 2	-9.65	0.01
Stage 2	-9.85	0.01
Stage 2	-10.05	0.01
Stage 2	-10.25	0.01
Stage 2	-10.45	0.01
Stage 2	-10.65	0.01
Stage 2	-10.85	0.01
Stage 2	-11.05	0.01
Stage 2	-11.25	0.01
Stage 2	-11.45	0.01
Stage 2	-11.65	0.01
Stage 2	-11.85	0.01
Stage 2	-12	0.01

Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 2

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.25	0	0.01
Stage 2	-0.45	0.01	0.02
Stage 2	-0.65	0.02	0.06
Stage 2	-0.85	0.04	0.1
Stage 2	-1.05	0.07	0.14
Stage 2	-1.25	0.1	0.18
Stage 2	-1.45	0.14	0.22
Stage 2	-1.65	0.19	0.24
Stage 2	-1.85	0.24	0.24
Stage 2	-2.05	0.29	0.23
Stage 2	-2.25	0.33	0.21
Stage 2	-2.45	0.36	0.18
Stage 2	-2.65	0.39	0.15
Stage 2	-2.85	0.42	0.13
Stage 2	-3.05	0.44	0.1
Stage 2	-3.25	0.45	0.08
Stage 2	-3.45	0.47	0.06
Stage 2	-3.65	0.47	0.03
Stage 2	-3.85	0.47	0.01
Stage 2	-4.05	0.47	-0.01
Stage 2	-4.25	0.47	-0.02
Stage 2	-4.45	0.46	-0.03
Stage 2	-4.65	0.46	-0.04
Stage 2	-4.85	0.45	-0.04
Stage 2	-5.05	0.44	-0.05
Stage 2	-5.25	0.43	-0.06
Stage 2	-5.45	0.41	-0.07
Stage 2	-5.65	0.39	-0.08
Stage 2	-5.85	0.37	-0.1
Stage 2	-6.05	0.35	-0.12
Stage 2	-6.25	0.32	-0.15
Stage 2	-6.45	0.29	-0.16
Stage 2	-6.65	0.25	-0.17
Stage 2	-6.85	0.22	-0.17
Stage 2	-7.05	0.18	-0.17
Stage 2	-7.25	0.15	-0.16
Stage 2	-7.45	0.12	-0.15
Stage 2	-7.65	0.09	-0.14
Stage 2	-7.85	0.07	-0.13
Stage 2	-8.05	0.04	-0.11
Stage 2	-8.25	0.02	-0.1
Stage 2	-8.45	0.01	-0.08
Stage 2	-8.65	-0.01	-0.07
Stage 2	-8.85	-0.02	-0.06
Stage 2	-9.05	-0.03	-0.04
Stage 2	-9.25	-0.03	-0.03
Stage 2	-9.45	-0.04	-0.02
Stage 2	-9.65	-0.04	-0.01
Stage 2	-9.85	-0.04	0
Stage 2	-10.05	-0.04	0.01
Stage 2	-10.25	-0.03	0.01
Stage 2	-10.45	-0.03	0.02
Stage 2	-10.65	-0.03	0.02
Stage 2	-10.85	-0.02	0.03
Stage 2	-11.05	-0.02	0.03
Stage 2	-11.25	-0.01	0.02
Stage 2	-11.45	-0.01	0.02
Stage 2	-11.65	0	0.02
Stage 2	-11.85	0	0.01
Stage 2	-12	0	0

Tabella Risultati Parete Combinata SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 2

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	0	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.85	0	0	0	0	0	0
Stage 2	-0.85	0	0	0	0	0	0
Stage 2	-1.05	0	0	0	0	0	0
Stage 2	-1.05	0	0	0	0	0	0
Stage 2	-1.25	0	0	0	0.01	0	0
Stage 2	-1.25	0	0.01	0	0.01	0	0
Stage 2	-1.45	0	0.01	0	0.01	0	0
Stage 2	-1.45	0	0.01	0	0.01	0	0
Stage 2	-1.65	0	0.01	0	0.01	0	0
Stage 2	-1.65	0	0.01	0	0.01	0	0
Stage 2	-1.85	0.01	0.01	0	0.01	0	0
Stage 2	-1.85	0.01	0.01	0	0.01	0	0
Stage 2	-2.05	0.01	0.01	0	0.01	0	0
Stage 2	-2.05	0.01	0.01	0	0.01	0	0
Stage 2	-2.25	0.01	0.01	0	0.02	0	0
Stage 2	-2.25	0.01	0	0	0.02	0	0
Stage 2	-2.45	0.01	0	0	0.02	0	0
Stage 2	-2.45	0.01	0	0	0.02	0	0
Stage 2	-2.65	0.01	0	0	0.02	0	0
Stage 2	-2.65	0.01	0	0	0.02	0	0
Stage 2	-2.85	0.01	0	0	0.02	0	0
Stage 2	-2.85	0.01	0	0	0.02	0	0
Stage 2	-3.05	0.01	0	0	0.02	0	0
Stage 2	-3.05	0.01	0	0	0.02	0	0
Stage 2	-3.25	0.01	0	0	0.02	0	0
Stage 2	-3.25	0.01	0	0	0.02	0	0
Stage 2	-3.45	0.01	0	0	0.02	0	0
Stage 2	-3.45	0.01	0	0	0.02	0	0
Stage 2	-3.65	0.01	0	0	0.02	0	0
Stage 2	-3.65	0.01	0	0	0.02	0	0
Stage 2	-3.85	0.01	0	0	0.02	0	0
Stage 2	-3.85	0.01	0	0	0.02	0	0
Stage 2	-4.05	0.01	0	0	0.02	0	0
Stage 2	-4.05	0.01	0	0	0.02	0	0
Stage 2	-4.25	0.01	0	0	0.02	0	0
Stage 2	-4.25	0.01	0	0	0.02	0	0
Stage 2	-4.45	0.01	0	0	0.02	0	0
Stage 2	-4.45	0.01	0	0	0.02	0	0
Stage 2	-4.65	0.01	0	0	0.02	0	0
Stage 2	-4.65	0.01	0	0	0.02	0	0
Stage 2	-4.85	0.01	0	0	0.02	0	0
Stage 2	-4.85	0.01	0	0	0.02	0	0
Stage 2	-5.05	0.01	0	0	0.02	0	0
Stage 2	-5.05	0.01	0	0	0.02	0	0
Stage 2	-5.25	0.01	0	0	0.02	0	0
Stage 2	-5.25	0.01	0	0	0.02	0	0
Stage 2	-5.45	0.01	0	0	0.02	0	0
Stage 2	-5.45	0.01	0	0	0.02	0	0
Stage 2	-5.65	0.01	0	0	0.02	0	0
Stage 2	-5.65	0.01	0	0	0.02	0	0
Stage 2	-5.85	0.01	0	0	0.02	0	0
Stage 2	-5.85	0.01	0	0	0.02	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	-6.05	0.01	0	0	0.02	0	0
Stage 2	-6.05	0.01	0	0	0.02	0	0
Stage 2	-6.25	0.01	0	0	0.02	0	0
Stage 2	-6.25	0.01	0	0	0.02	0	0
Stage 2	-6.45	0.01	0	0	0.01	0	0
Stage 2	-6.45	0.01	0	0	0.01	0	0
Stage 2	-6.65	0.01	0	0	0.01	0	0
Stage 2	-6.65	0.01	0	0	0.01	0	0
Stage 2	-6.85	0.01	0	0	0.01	0	0
Stage 2	-6.85	0.01	0	0	0.01	0	0
Stage 2	-7.05	0	0	0	0.01	0	0
Stage 2	-7.05	0	0	0	0.01	0	0
Stage 2	-7.25	0	0	0	0.01	0	0
Stage 2	-7.25	0	0	0	0.01	0	0
Stage 2	-7.45	0	0	0	0.01	0	0
Stage 2	-7.45	0	0	0	0.01	0	0
Stage 2	-7.65	0	0	0	0	0	0
Stage 2	-7.65	0	0	0	0	0	0
Stage 2	-7.85	0	0	0	0	0	0
Stage 2	-7.85	0	0	0	0	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-12	0	0	0	0	0	0

Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 3

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 3	0	0.16
Stage 3	-0.2	0.15
Stage 3	-0.25	0.15
Stage 3	-0.45	0.14
Stage 3	-0.65	0.14
Stage 3	-0.85	0.13
Stage 3	-1.05	0.12
Stage 3	-1.25	0.11
Stage 3	-1.45	0.11
Stage 3	-1.65	0.1
Stage 3	-1.85	0.09
Stage 3	-2.05	0.09
Stage 3	-2.25	0.08
Stage 3	-2.45	0.08
Stage 3	-2.65	0.07
Stage 3	-2.85	0.07
Stage 3	-3.05	0.06
Stage 3	-3.25	0.06
Stage 3	-3.45	0.06
Stage 3	-3.65	0.06
Stage 3	-3.85	0.05
Stage 3	-4.05	0.05
Stage 3	-4.25	0.05
Stage 3	-4.45	0.05
Stage 3	-4.65	0.05
Stage 3	-4.85	0.05
Stage 3	-5.05	0.05
Stage 3	-5.25	0.05
Stage 3	-5.45	0.05
Stage 3	-5.65	0.05
Stage 3	-5.85	0.05
Stage 3	-6.05	0.04
Stage 3	-6.25	0.04
Stage 3	-6.45	0.04
Stage 3	-6.65	0.04
Stage 3	-6.85	0.04
Stage 3	-7.05	0.04
Stage 3	-7.25	0.04
Stage 3	-7.45	0.04
Stage 3	-7.65	0.04
Stage 3	-7.85	0.04
Stage 3	-8.05	0.04
Stage 3	-8.25	0.04
Stage 3	-8.45	0.04
Stage 3	-8.65	0.04
Stage 3	-8.85	0.04
Stage 3	-9.05	0.04
Stage 3	-9.25	0.04
Stage 3	-9.45	0.04
Stage 3	-9.65	0.04
Stage 3	-9.85	0.04
Stage 3	-10.05	0.04
Stage 3	-10.25	0.04
Stage 3	-10.45	0.04
Stage 3	-10.65	0.04
Stage 3	-10.85	0.03
Stage 3	-11.05	0.03
Stage 3	-11.25	0.03
Stage 3	-11.45	0.03
Stage 3	-11.65	0.03
Stage 3	-11.85	0.03
Stage 3	-12	0.03

Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 3

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.25	-0.01	-0.3
Stage 3	-0.45	-0.15	-0.67
Stage 3	-0.65	-0.5	-1.76
Stage 3	-0.85	-0.9	-2
Stage 3	-1.05	-1.33	-2.14
Stage 3	-1.25	-1.77	-2.21
Stage 3	-1.45	-2.21	-2.19
Stage 3	-1.65	-2.63	-2.09
Stage 3	-1.85	-3.01	-1.93
Stage 3	-2.05	-3.35	-1.68
Stage 3	-2.25	-3.62	-1.36
Stage 3	-2.45	-3.81	-0.95
Stage 3	-2.65	-3.9	-0.45
Stage 3	-2.85	-3.88	0.11
Stage 3	-3.05	-3.77	0.55
Stage 3	-3.25	-3.59	0.89
Stage 3	-3.45	-3.36	1.15
Stage 3	-3.65	-3.1	1.32
Stage 3	-3.85	-2.81	1.43
Stage 3	-4.05	-2.51	1.49
Stage 3	-4.25	-2.21	1.51
Stage 3	-4.45	-1.91	1.5
Stage 3	-4.65	-1.62	1.46
Stage 3	-4.85	-1.34	1.38
Stage 3	-5.05	-1.08	1.29
Stage 3	-5.25	-0.85	1.19
Stage 3	-5.45	-0.63	1.07
Stage 3	-5.65	-0.44	0.94
Stage 3	-5.85	-0.28	0.81
Stage 3	-6.05	-0.15	0.68
Stage 3	-6.25	-0.04	0.55
Stage 3	-6.45	0.05	0.43
Stage 3	-6.65	0.12	0.33
Stage 3	-6.85	0.16	0.24
Stage 3	-7.05	0.19	0.16
Stage 3	-7.25	0.21	0.09
Stage 3	-7.45	0.22	0.04
Stage 3	-7.65	0.22	0
Stage 3	-7.85	0.21	-0.03
Stage 3	-8.05	0.2	-0.06
Stage 3	-8.25	0.19	-0.08
Stage 3	-8.45	0.17	-0.09
Stage 3	-8.65	0.15	-0.1
Stage 3	-8.85	0.13	-0.1
Stage 3	-9.05	0.11	-0.1
Stage 3	-9.25	0.09	-0.09
Stage 3	-9.45	0.08	-0.09
Stage 3	-9.65	0.06	-0.08
Stage 3	-9.85	0.05	-0.07
Stage 3	-10.05	0.04	-0.06
Stage 3	-10.25	0.03	-0.05
Stage 3	-10.45	0.02	-0.04
Stage 3	-10.65	0.01	-0.03
Stage 3	-10.85	0.01	-0.02
Stage 3	-11.05	0	-0.02
Stage 3	-11.25	0	-0.01
Stage 3	-11.45	0	-0.01
Stage 3	-11.65	0	0
Stage 3	-11.85	0	0
Stage 3	-12	0	0

Tabella Risultati Parete Combinata SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 3

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	0	0	0	0
Stage 3	-0.2	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.02	0	0	0	0
Stage 3	-0.45	0	-0.02	0	-0.01	0	0
Stage 3	-0.45	0	-0.05	0	-0.01	0	0
Stage 3	-0.65	-0.01	-0.05	0	-0.03	0	0
Stage 3	-0.65	-0.01	-0.05	0	-0.03	0	0
Stage 3	-0.85	-0.02	-0.05	0	-0.05	0	0
Stage 3	-0.85	-0.02	-0.05	0	-0.05	0	0
Stage 3	-1.05	-0.03	-0.05	0	-0.07	0	0
Stage 3	-1.05	-0.03	-0.06	0	-0.07	0	0
Stage 3	-1.25	-0.05	-0.06	0	-0.09	0	0
Stage 3	-1.25	-0.05	-0.06	0	-0.09	0	0
Stage 3	-1.45	-0.06	-0.06	0	-0.11	0	0
Stage 3	-1.45	-0.06	-0.05	0	-0.11	0	0
Stage 3	-1.65	-0.07	-0.05	0	-0.13	0	0
Stage 3	-1.65	-0.07	-0.05	0	-0.13	0	0
Stage 3	-1.85	-0.08	-0.05	0	-0.15	0	0
Stage 3	-1.85	-0.08	-0.04	0	-0.15	0	0
Stage 3	-2.05	-0.09	-0.04	0	-0.17	0	0
Stage 3	-2.05	-0.09	-0.03	0	-0.17	0	0
Stage 3	-2.25	-0.09	-0.03	0	-0.19	0	0
Stage 3	-2.25	-0.09	-0.02	0	-0.19	0	0
Stage 3	-2.45	-0.1	-0.02	0	-0.2	0	0
Stage 3	-2.45	-0.1	-0.01	0	-0.2	0	0
Stage 3	-2.65	-0.1	-0.01	0	-0.2	0	0
Stage 3	-2.65	-0.1	0	0	-0.2	0	0
Stage 3	-2.85	-0.1	0	0	-0.2	0	0
Stage 3	-2.85	-0.1	0.01	0	-0.2	0	0
Stage 3	-3.05	-0.1	0.01	0	-0.19	0	0
Stage 3	-3.05	-0.1	0.02	0	-0.19	0	0
Stage 3	-3.25	-0.09	0.02	0	-0.18	0	0
Stage 3	-3.25	-0.09	0.03	0	-0.18	0	0
Stage 3	-3.45	-0.09	0.03	0	-0.17	0	0
Stage 3	-3.45	-0.09	0.03	0	-0.17	0	0
Stage 3	-3.65	-0.08	0.03	0	-0.16	0	0
Stage 3	-3.65	-0.08	0.04	0	-0.16	0	0
Stage 3	-3.85	-0.07	0.04	0	-0.14	0	0
Stage 3	-3.85	-0.07	0.04	0	-0.14	0	0
Stage 3	-4.05	-0.06	0.04	0	-0.13	0	0
Stage 3	-4.05	-0.06	0.04	0	-0.13	0	0
Stage 3	-4.25	-0.06	0.04	0	-0.11	0	0
Stage 3	-4.25	-0.06	0.04	0	-0.11	0	0
Stage 3	-4.45	-0.05	0.04	0	-0.1	0	0
Stage 3	-4.45	-0.05	0.04	0	-0.1	0	0
Stage 3	-4.65	-0.04	0.04	0	-0.08	0	0
Stage 3	-4.65	-0.04	0.04	0	-0.08	0	0
Stage 3	-4.85	-0.03	0.04	0	-0.07	0	0
Stage 3	-4.85	-0.03	0.03	0	-0.07	0	0
Stage 3	-5.05	-0.03	0.03	0	-0.06	0	0
Stage 3	-5.05	-0.03	0.03	0	-0.06	0	0
Stage 3	-5.25	-0.02	0.03	0	-0.04	0	0
Stage 3	-5.25	-0.02	0.03	0	-0.04	0	0
Stage 3	-5.45	-0.02	0.03	0	-0.03	0	0
Stage 3	-5.45	-0.02	0.02	0	-0.03	0	0
Stage 3	-5.65	-0.01	0.02	0	-0.02	0	0
Stage 3	-5.65	-0.01	0.02	0	-0.02	0	0
Stage 3	-5.85	-0.01	0.02	0	-0.01	0	0
Stage 3	-5.85	-0.01	0.02	0	-0.01	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	-6.05	0	0.02	0	-0.01	0	0
Stage 3	-6.05	0	0.01	0	-0.01	0	0
Stage 3	-6.25	0	0.01	0	0	0	0
Stage 3	-6.25	0	0.01	0	0	0	0
Stage 3	-6.45	0	0.01	0	0	0	0
Stage 3	-6.45	0	0.01	0	0	0	0
Stage 3	-6.65	0	0.01	0	0.01	0	0
Stage 3	-6.65	0	0.01	0	0.01	0	0
Stage 3	-6.85	0	0.01	0	0.01	0	0
Stage 3	-6.85	0	0	0	0.01	0	0
Stage 3	-7.05	0	0	0	0.01	0	0
Stage 3	-7.05	0	0	0	0.01	0	0
Stage 3	-7.25	0.01	0	0	0.01	0	0
Stage 3	-7.25	0.01	0	0	0.01	0	0
Stage 3	-7.45	0.01	0	0	0.01	0	0
Stage 3	-7.45	0.01	0	0	0.01	0	0
Stage 3	-7.65	0.01	0	0	0.01	0	0
Stage 3	-7.65	0.01	0	0	0.01	0	0
Stage 3	-7.85	0.01	0	0	0.01	0	0
Stage 3	-7.85	0.01	0	0	0.01	0	0
Stage 3	-8.05	0.01	0	0	0.01	0	0
Stage 3	-8.05	0.01	0	0	0.01	0	0
Stage 3	-8.25	0	0	0	0.01	0	0
Stage 3	-8.25	0	0	0	0.01	0	0
Stage 3	-8.45	0	0	0	0.01	0	0
Stage 3	-8.45	0	0	0	0.01	0	0
Stage 3	-8.65	0	0	0	0.01	0	0
Stage 3	-8.65	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.25	0	0	0	0	0	0
Stage 3	-9.25	0	0	0	0	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-12	0	0	0	0	0	0

Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 4

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 4	0	50.31
Stage 4	-0.2	49.02
Stage 4	-0.25	48.7
Stage 4	-0.45	47.41
Stage 4	-0.65	46.12
Stage 4	-0.85	44.84
Stage 4	-1.05	43.55
Stage 4	-1.25	42.26
Stage 4	-1.45	40.98
Stage 4	-1.65	39.69
Stage 4	-1.85	38.41
Stage 4	-2.05	37.12
Stage 4	-2.25	35.84
Stage 4	-2.45	34.56
Stage 4	-2.65	33.29
Stage 4	-2.85	32.02
Stage 4	-3.05	30.75
Stage 4	-3.25	29.49
Stage 4	-3.45	28.24
Stage 4	-3.65	26.99
Stage 4	-3.85	25.76
Stage 4	-4.05	24.54
Stage 4	-4.25	23.33
Stage 4	-4.45	22.14
Stage 4	-4.65	20.97
Stage 4	-4.85	19.83
Stage 4	-5.05	18.7
Stage 4	-5.25	17.6
Stage 4	-5.45	16.53
Stage 4	-5.65	15.49
Stage 4	-5.85	14.48
Stage 4	-6.05	13.51
Stage 4	-6.25	12.57
Stage 4	-6.45	11.66
Stage 4	-6.65	10.79
Stage 4	-6.85	9.95
Stage 4	-7.05	9.15
Stage 4	-7.25	8.39
Stage 4	-7.45	7.65
Stage 4	-7.65	6.96
Stage 4	-7.85	6.3
Stage 4	-8.05	5.67
Stage 4	-8.25	5.07
Stage 4	-8.45	4.5
Stage 4	-8.65	3.96
Stage 4	-8.85	3.45
Stage 4	-9.05	2.96
Stage 4	-9.25	2.5
Stage 4	-9.45	2.06
Stage 4	-9.65	1.64
Stage 4	-9.85	1.24
Stage 4	-10.05	0.85
Stage 4	-10.25	0.48
Stage 4	-10.45	0.12
Stage 4	-10.65	-0.23
Stage 4	-10.85	-0.57
Stage 4	-11.05	-0.91
Stage 4	-11.25	-1.24
Stage 4	-11.45	-1.57
Stage 4	-11.65	-1.9
Stage 4	-11.85	-2.23
Stage 4	-12	-2.47

Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 4

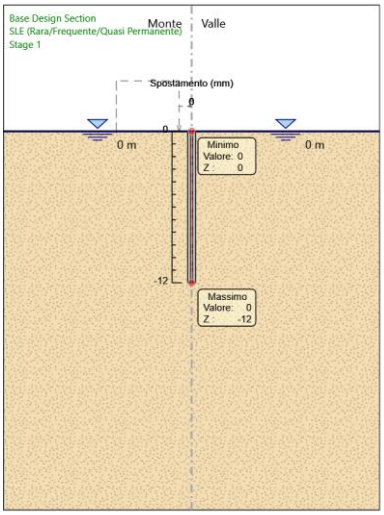
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	0	0	0
Stage 4	-0.2	0	0
Stage 4	-0.2	0	0
Stage 4	-0.25	-0.01	-0.27
Stage 4	-0.25	-0.01	-0.27
Stage 4	-0.45	-0.13	-0.61
Stage 4	-0.65	-0.45	-1.58
Stage 4	-0.85	-1.05	-3
Stage 4	-1.05	-2.02	-4.86
Stage 4	-1.25	-3.45	-7.16
Stage 4	-1.45	-5.44	-9.91
Stage 4	-1.65	-8.06	-13.11
Stage 4	-1.85	-11.41	-16.76
Stage 4	-2.05	-15.58	-20.86
Stage 4	-2.25	-20.66	-25.41
Stage 4	-2.45	-26.74	-30.4
Stage 4	-2.65	-33.91	-35.83
Stage 4	-2.85	-42.25	-41.71
Stage 4	-3.05	-51.85	-48.02
Stage 4	-3.25	-62.81	-54.77
Stage 4	-3.45	-75.2	-61.96
Stage 4	-3.65	-89.12	-69.59
Stage 4	-3.85	-104.65	-77.66
Stage 4	-4.05	-121.88	-86.16
Stage 4	-4.25	-140.34	-92.31
Stage 4	-4.45	-159.57	-96.11
Stage 4	-4.65	-179.08	-97.56
Stage 4	-4.85	-198.41	-96.66
Stage 4	-5.05	-217.09	-93.41
Stage 4	-5.25	-234.66	-87.82
Stage 4	-5.45	-250.63	-79.87
Stage 4	-5.65	-264.54	-69.57
Stage 4	-5.85	-275.93	-56.92
Stage 4	-6.05	-284.7	-43.89
Stage 4	-6.25	-291.04	-31.7
Stage 4	-6.45	-295.11	-20.33
Stage 4	-6.65	-297.05	-9.72
Stage 4	-6.85	-297.02	0.16
Stage 4	-7.05	-295.15	9.35
Stage 4	-7.25	-291.57	17.89
Stage 4	-7.45	-286.41	25.81
Stage 4	-7.65	-279.78	33.16
Stage 4	-7.85	-271.78	39.97
Stage 4	-8.05	-262.53	46.27
Stage 4	-8.25	-252.11	52.12
Stage 4	-8.45	-240.6	57.52
Stage 4	-8.65	-228.09	62.53
Stage 4	-8.85	-214.66	67.18
Stage 4	-9.05	-200.36	71.48
Stage 4	-9.25	-185.27	75.48
Stage 4	-9.45	-169.43	79.2
Stage 4	-9.65	-152.9	82.65
Stage 4	-9.85	-135.72	85.87
Stage 4	-10.05	-117.95	88.88
Stage 4	-10.25	-99.64	91.5
Stage 4	-10.45	-81.54	90.5
Stage 4	-10.65	-64.28	86.34
Stage 4	-10.85	-48.28	79.97
Stage 4	-11.05	-33.99	71.44
Stage 4	-11.25	-21.77	61.11
Stage 4	-11.45	-11.97	49.01
Stage 4	-11.65	-4.93	35.17
Stage 4	-11.85	-0.92	20.05
Stage 4	-12	0	6.16

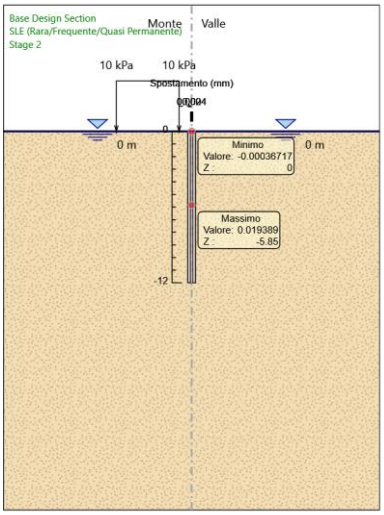
Tabella Risultati Parete Combinata SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 4

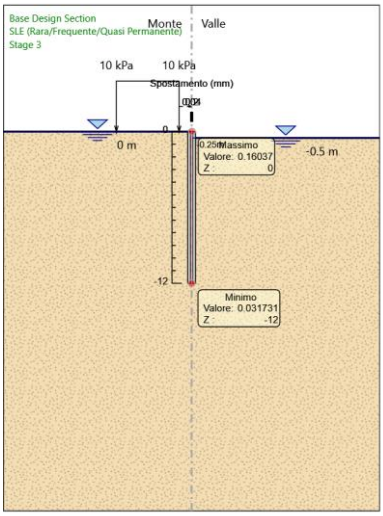
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	0	0	0	0
Stage 4	-0.2	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.02	0	0	0	0
Stage 4	-0.45	0	-0.02	0	-0.01	0	0
Stage 4	-0.45	0	-0.04	0	-0.01	0	0
Stage 4	-0.65	-0.01	-0.04	0	-0.02	0	0
Stage 4	-0.65	-0.01	-0.08	0	-0.02	0	0
Stage 4	-0.85	-0.03	-0.08	0	-0.05	0	0
Stage 4	-0.85	-0.03	-0.12	0	-0.05	0	0
Stage 4	-1.05	-0.05	-0.12	0	-0.1	0	0
Stage 4	-1.05	-0.05	-0.18	0	-0.1	0	0
Stage 4	-1.25	-0.09	-0.18	0	-0.18	0	0
Stage 4	-1.25	-0.09	-0.25	0	-0.18	0	0
Stage 4	-1.45	-0.14	-0.25	0	-0.28	0	0
Stage 4	-1.45	-0.14	-0.34	0	-0.28	0	0
Stage 4	-1.65	-0.21	-0.34	0	-0.41	0	0
Stage 4	-1.65	-0.21	-0.43	0	-0.41	0	0
Stage 4	-1.85	-0.29	-0.43	0	-0.59	0	0
Stage 4	-1.85	-0.29	-0.54	0	-0.59	0	0
Stage 4	-2.05	-0.4	-0.54	0	-0.8	0	0
Stage 4	-2.05	-0.4	-0.65	0	-0.8	0	0
Stage 4	-2.25	-0.53	-0.65	0	-1.06	0	0
Stage 4	-2.25	-0.53	-0.78	0	-1.06	0	0
Stage 4	-2.45	-0.69	-0.78	0	-1.37	0	0
Stage 4	-2.45	-0.69	-0.92	0	-1.37	0	0
Stage 4	-2.65	-0.87	-0.92	0	-1.74	0	0
Stage 4	-2.65	-0.87	-1.07	0	-1.74	0	0
Stage 4	-2.85	-1.08	-1.07	0	-2.17	0	0
Stage 4	-2.85	-1.08	-1.23	0	-2.17	0	0
Stage 4	-3.05	-1.33	-1.23	0	-2.66	0	0
Stage 4	-3.05	-1.33	-1.4	0	-2.66	0	0
Stage 4	-3.25	-1.61	-1.4	0	-3.22	0	0
Stage 4	-3.25	-1.61	-1.59	0	-3.22	0	0
Stage 4	-3.45	-1.93	-1.59	0	-3.86	0	0
Stage 4	-3.45	-1.93	-1.79	0	-3.86	0	0
Stage 4	-3.65	-2.29	-1.79	0	-4.57	0	0
Stage 4	-3.65	-2.29	-1.99	0	-4.57	0	0
Stage 4	-3.85	-2.68	-1.99	0	-5.37	0	0
Stage 4	-3.85	-2.68	-2.21	0	-5.37	0	0
Stage 4	-4.05	-3.13	-2.21	0	-6.25	0	0
Stage 4	-4.05	-3.13	-2.37	0	-6.25	0	0
Stage 4	-4.25	-3.6	-2.37	0	-7.2	0	0
Stage 4	-4.25	-3.6	-2.47	0	-7.2	0	0
Stage 4	-4.45	-4.09	-2.47	0	-8.19	0	0
Stage 4	-4.45	-4.09	-2.5	0	-8.19	0	0
Stage 4	-4.65	-4.59	-2.5	0	-9.19	0	0
Stage 4	-4.65	-4.59	-2.48	0	-9.19	0	0
Stage 4	-4.85	-5.09	-2.48	0	-10.18	0	0
Stage 4	-4.85	-5.09	-2.4	0	-10.18	0	0
Stage 4	-5.05	-5.57	-2.4	0	-11.14	0	0
Stage 4	-5.05	-5.57	-2.25	0	-11.14	0	0
Stage 4	-5.25	-6.02	-2.25	0	-12.04	0	0
Stage 4	-5.25	-6.02	-2.05	0	-12.04	0	0
Stage 4	-5.45	-6.43	-2.05	0	-12.86	0	0
Stage 4	-5.45	-6.43	-1.78	0	-12.86	0	0
Stage 4	-5.65	-6.79	-1.78	0	-13.57	0	0
Stage 4	-5.65	-6.79	-1.46	0	-13.57	0	0
Stage 4	-5.85	-7.08	-1.46	0	-14.16	0	0
Stage 4	-5.85	-7.08	-1.13	0	-14.16	0	0

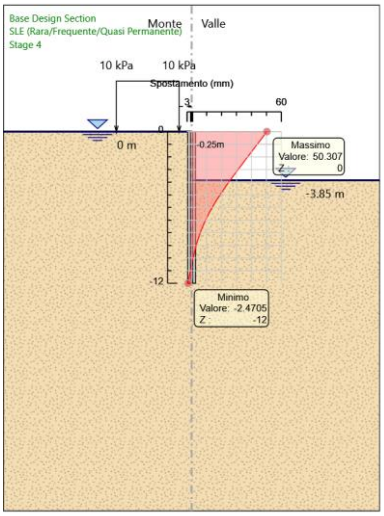
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	-6.05	-7.3	-1.13	0	-14.61	0	0
Stage 4	-6.05	-7.3	-0.81	0	-14.61	0	0
Stage 4	-6.25	-7.47	-0.81	0	-14.93	0	0
Stage 4	-6.25	-7.47	-0.52	0	-14.93	0	0
Stage 4	-6.45	-7.57	-0.52	0	-15.14	0	0
Stage 4	-6.45	-7.57	-0.25	0	-15.14	0	0
Stage 4	-6.65	-7.62	-0.25	0	-15.24	0	0
Stage 4	-6.65	-7.62	0	0	-15.24	0	0
Stage 4	-6.85	-7.62	0	0	-15.24	0	0
Stage 4	-6.85	-7.62	0.24	0	-15.24	0	0
Stage 4	-7.05	-7.57	0.24	0	-15.14	0	0
Stage 4	-7.05	-7.57	0.46	0	-15.14	0	0
Stage 4	-7.25	-7.48	0.46	0	-14.96	0	0
Stage 4	-7.25	-7.48	0.66	0	-14.96	0	0
Stage 4	-7.45	-7.35	0.66	0	-14.69	0	0
Stage 4	-7.45	-7.35	0.85	0	-14.69	0	0
Stage 4	-7.65	-7.18	0.85	0	-14.35	0	0
Stage 4	-7.65	-7.18	1.03	0	-14.35	0	0
Stage 4	-7.85	-6.97	1.03	0	-13.94	0	0
Stage 4	-7.85	-6.97	1.19	0	-13.94	0	0
Stage 4	-8.05	-6.73	1.19	0	-13.47	0	0
Stage 4	-8.05	-6.73	1.34	0	-13.47	0	0
Stage 4	-8.25	-6.47	1.34	0	-12.93	0	0
Stage 4	-8.25	-6.47	1.48	0	-12.93	0	0
Stage 4	-8.45	-6.17	1.48	0	-12.34	0	0
Stage 4	-8.45	-6.17	1.6	0	-12.34	0	0
Stage 4	-8.65	-5.85	1.6	0	-11.7	0	0
Stage 4	-8.65	-5.85	1.72	0	-11.7	0	0
Stage 4	-8.85	-5.51	1.72	0	-11.01	0	0
Stage 4	-8.85	-5.51	1.83	0	-11.01	0	0
Stage 4	-9.05	-5.14	1.83	0	-10.28	0	0
Stage 4	-9.05	-5.14	1.94	0	-10.28	0	0
Stage 4	-9.25	-4.75	1.94	0	-9.5	0	0
Stage 4	-9.25	-4.75	2.03	0	-9.5	0	0
Stage 4	-9.45	-4.35	2.03	0	-8.69	0	0
Stage 4	-9.45	-4.35	2.12	0	-8.69	0	0
Stage 4	-9.65	-3.92	2.12	0	-7.84	0	0
Stage 4	-9.65	-3.92	2.2	0	-7.84	0	0
Stage 4	-9.85	-3.48	2.2	0	-6.96	0	0
Stage 4	-9.85	-3.48	2.28	0	-6.96	0	0
Stage 4	-10.05	-3.03	2.28	0	-6.05	0	0
Stage 4	-10.05	-3.03	2.35	0	-6.05	0	0
Stage 4	-10.25	-2.56	2.35	0	-5.11	0	0
Stage 4	-10.25	-2.56	2.32	0	-5.11	0	0
Stage 4	-10.45	-2.09	2.32	0	-4.18	0	0
Stage 4	-10.45	-2.09	2.21	0	-4.18	0	0
Stage 4	-10.65	-1.65	2.21	0	-3.3	0	0
Stage 4	-10.65	-1.65	2.05	0	-3.3	0	0
Stage 4	-10.85	-1.24	2.05	0	-2.48	0	0
Stage 4	-10.85	-1.24	1.83	0	-2.48	0	0
Stage 4	-11.05	-0.87	1.83	0	-1.74	0	0
Stage 4	-11.05	-0.87	1.57	0	-1.74	0	0
Stage 4	-11.25	-0.56	1.57	0	-1.12	0	0
Stage 4	-11.25	-0.56	1.26	0	-1.12	0	0
Stage 4	-11.45	-0.31	1.26	0	-0.61	0	0
Stage 4	-11.45	-0.31	0.9	0	-0.61	0	0
Stage 4	-11.65	-0.13	0.9	0	-0.25	0	0
Stage 4	-11.65	-0.13	0.51	0	-0.25	0	0
Stage 4	-11.85	-0.02	0.51	0	-0.05	0	0
Stage 4	-11.85	-0.02	0.16	0	-0.05	0	0
Stage 4	-12	0	0.16	0	0	0	0

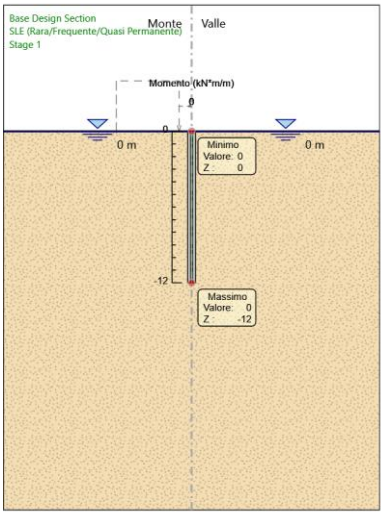
Tabella Grafici dei Risultati

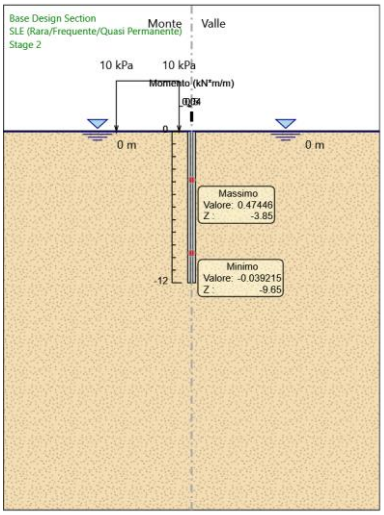


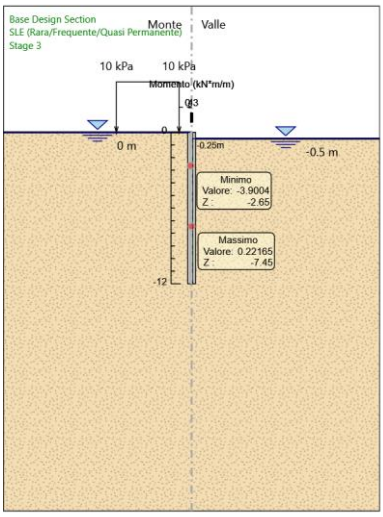


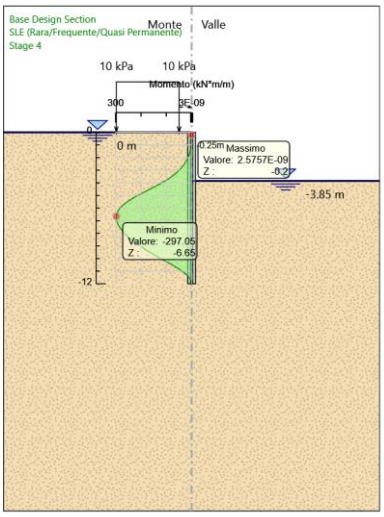


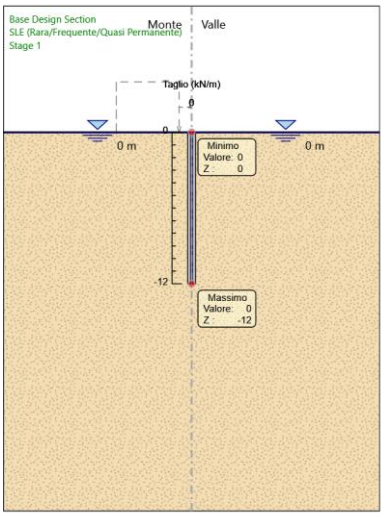


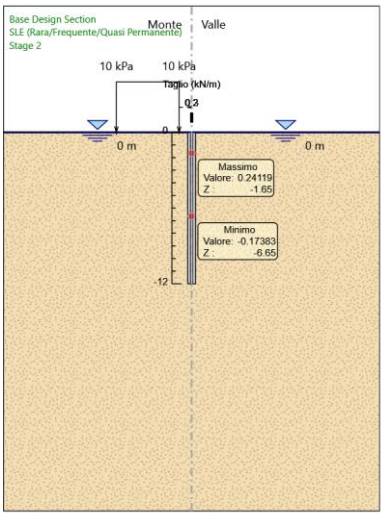


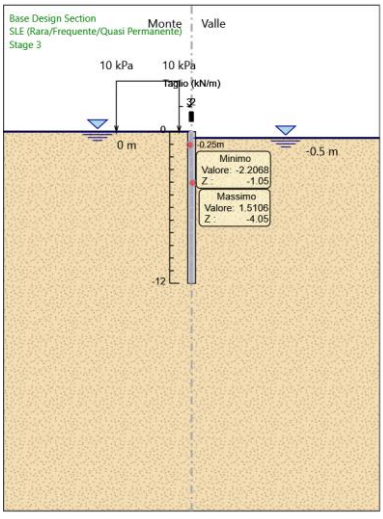


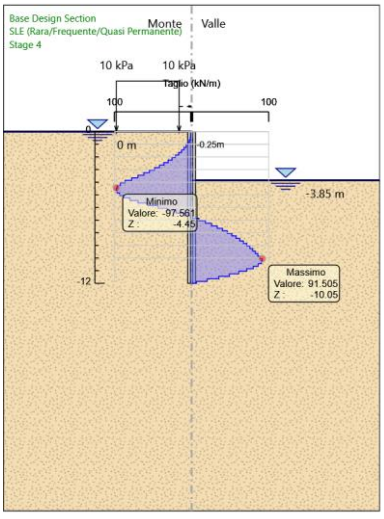

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -3.9004
Z : -2.65
Massimo
Valore: 0.22165
Z : -7.45
-12

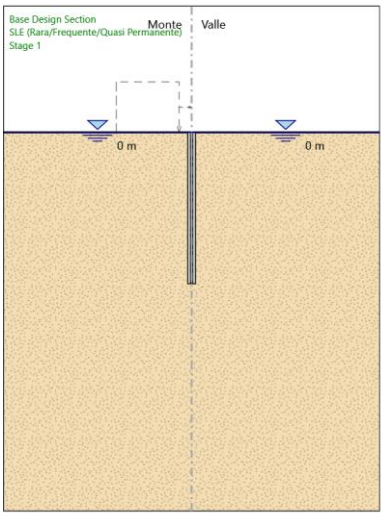

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento (kN*m/m)
0 m
-0.25m
Massimo
Valore: 2.5757E-09
Z : -0.2
-3.85 m
Minimo
Valore: -297.05
Z : -6.65
-12

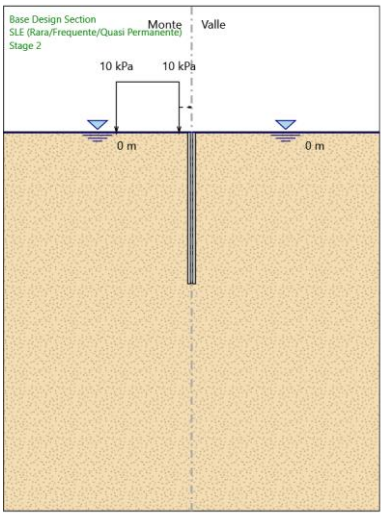

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Taglio (kN/m)
0 m
0 m
Minimo
Valore: 0
Z : 0
-12
Massimo
Valore: 0
Z : -12

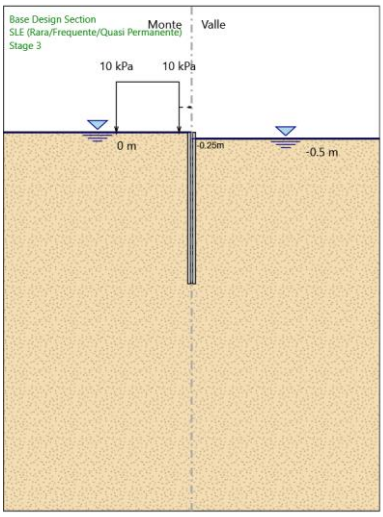

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
0 m
0 m
Massimo
Valore: 0.24119
Z : -1.65
Minimo
Valore: -0.17383
Z : -6.65
-12

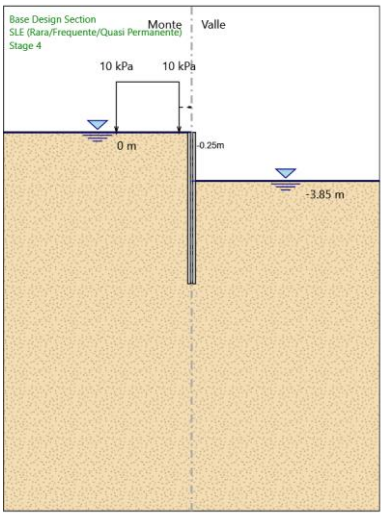

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -2.2068
Z : -1.05
Massimo
Valore: 1.5106
Z : -4.05
-12

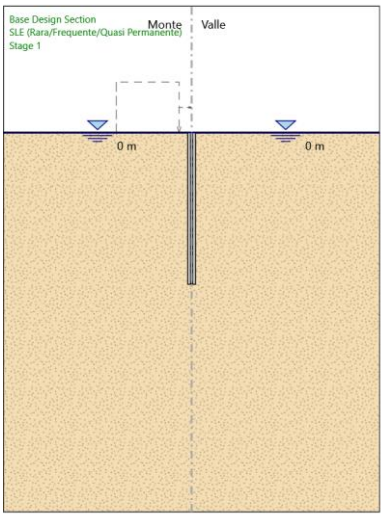

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
100
100
0 m
-0.25m
-3.85 m
Minimo
Valore: -97.561
Z : -4.45
Massimo
Valore: 91.505
Z : -10.05
-12

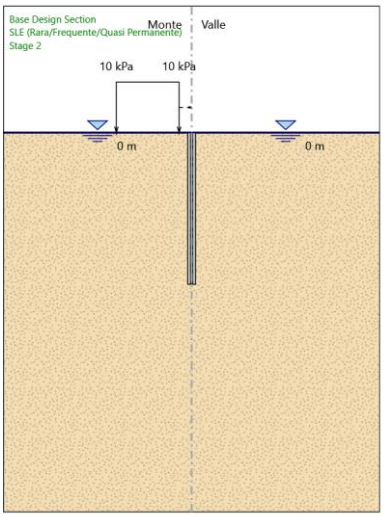

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
0 m
0 m

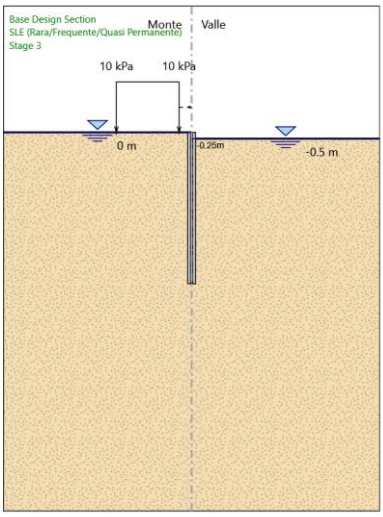

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
0 m
0 m

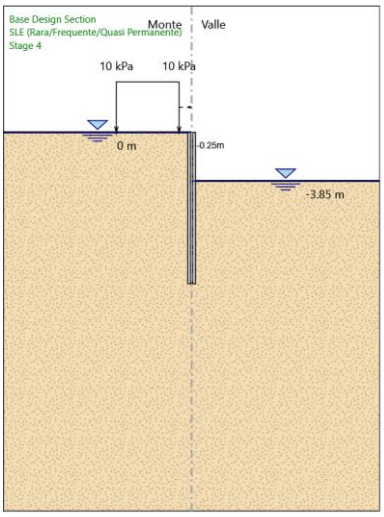

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-0.5 m

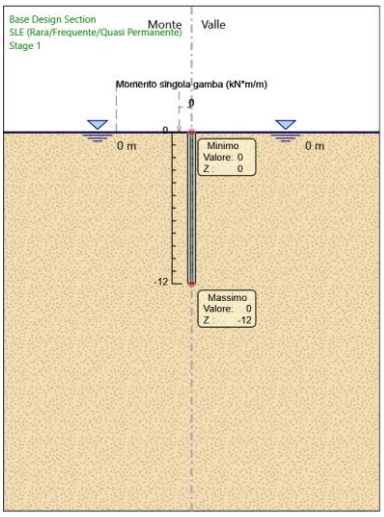

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-3.85 m

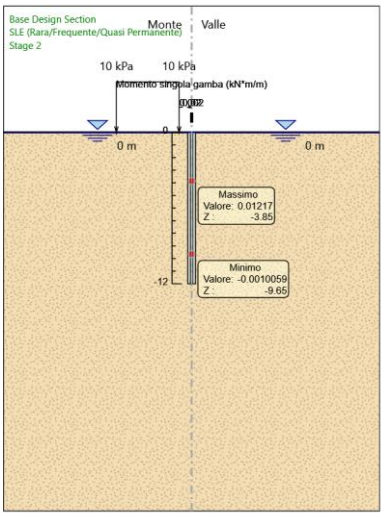

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
0 m
0 m

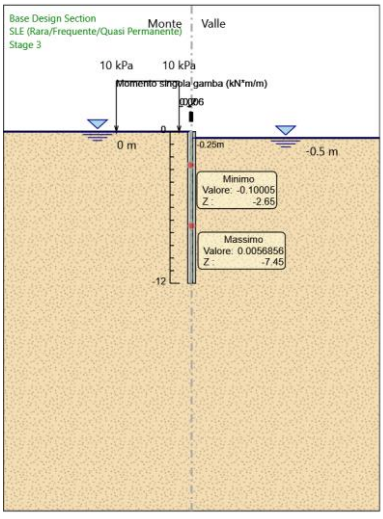

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
0 m
0 m

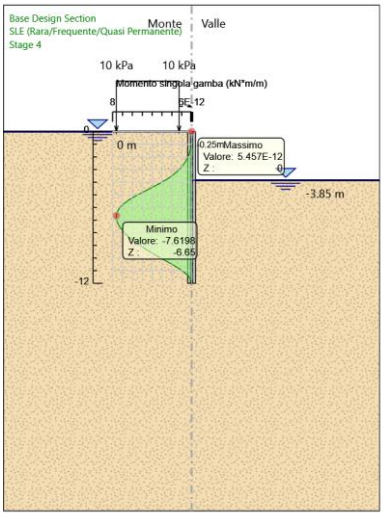

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-0.5 m

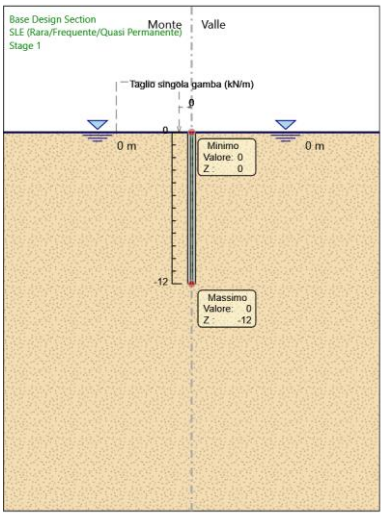

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-3.85 m

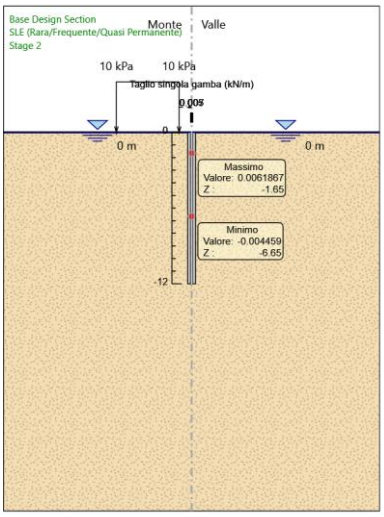

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Momento singola gamba (kN*m/m)
0 m
0 m
Minimo
Valore: 0
Z : 0
-12
Massimo
Valore: 0
Z : -12

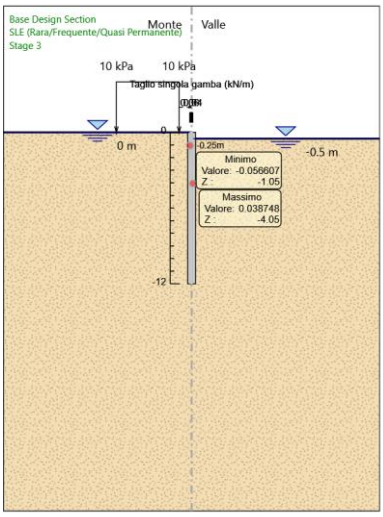

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
0 m
Massimo
Valore: 0.01217
Z : -3.85
Minimo
Valore: -0.0010059
Z : -9.65
-12

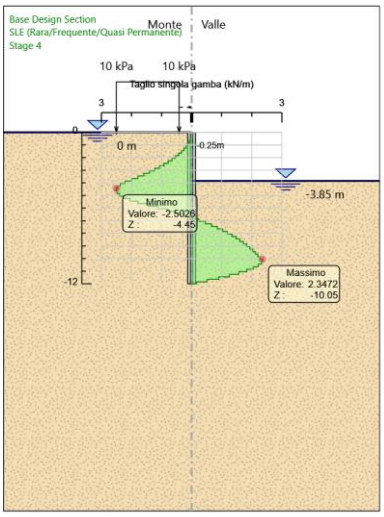

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -0.10005
Z : -2.65
Massimo
Valore: 0.0058856
Z : -7.45
-12

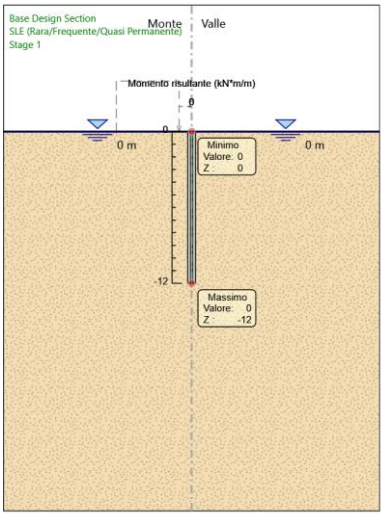

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
0.25mMassimo
Valore: 5.457E-12
Z : 0
-3.85 m
Minimo
Valore: -7.6198
Z : -6.65
-12

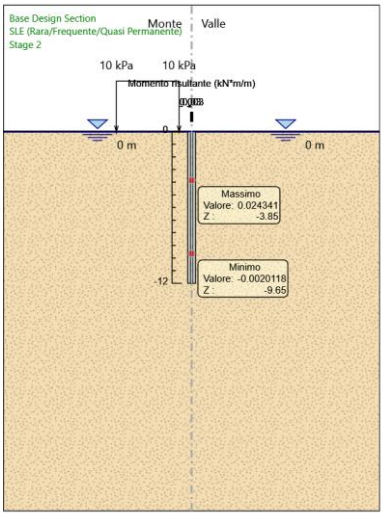

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Taglio singola gamba (kN/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

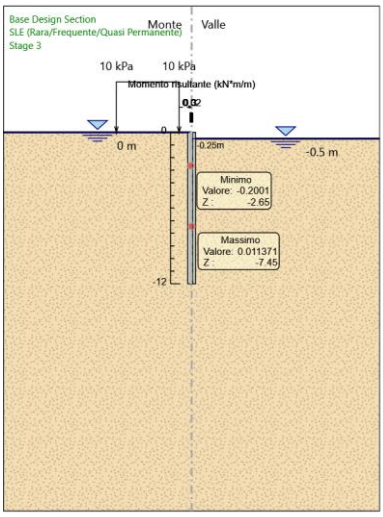

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
0 m
Massimo
Valore: 0.0061867
Z: -1.65
Minimo
Valore: -0.004459
Z: -6.65
-12

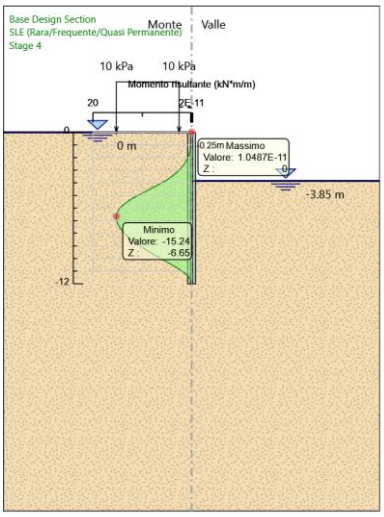

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
-0.5 m
-0.25m
Minimo
Valore: -0.056607
Z: -1.05
Massimo
Valore: 0.038748
Z: -4.05
-12

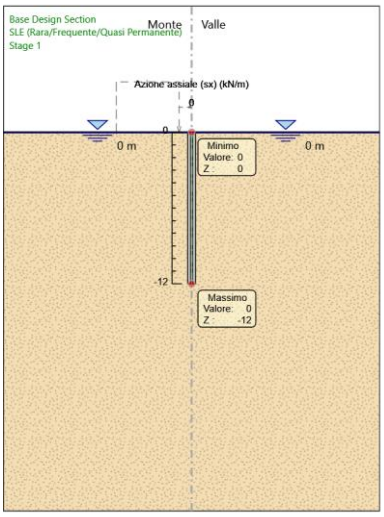

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
3
3
0 m
-0.25m
-3.85 m
Minimo
Valore: -2.5028
Z: -4.45
Massimo
Valore: 2.3472
Z: -10.05
-12

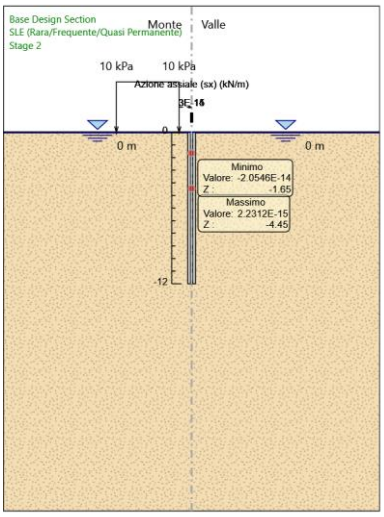

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Momento risultante (kN*m/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

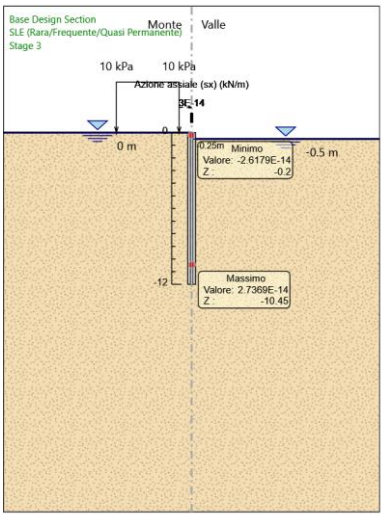

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
0 m
Massimo
Valore: 0.024341
Z: -3.85
Minimo
Valore: -0.0020118
Z: -9.65
-12

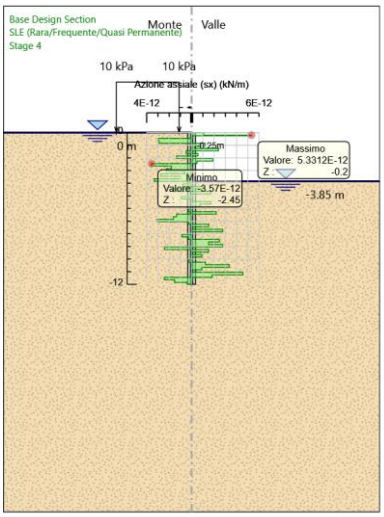

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -0.2001
Z: -2.65
Massimo
Valore: 0.011371
Z: -7.45
-12

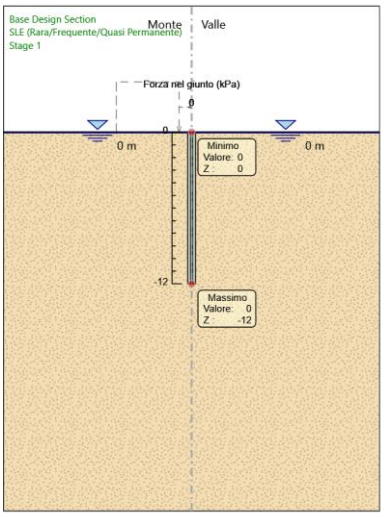

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
0.25m Massimo
Valore: 1.0487E-11
Z: 0
-3.85 m
Minimo
Valore: -15.24
Z: -6.65
-12

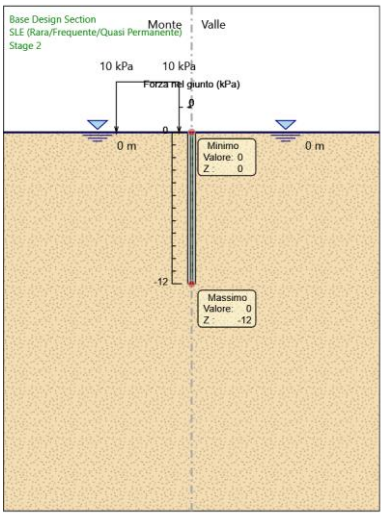

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Azione assiale (sx) (kN/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

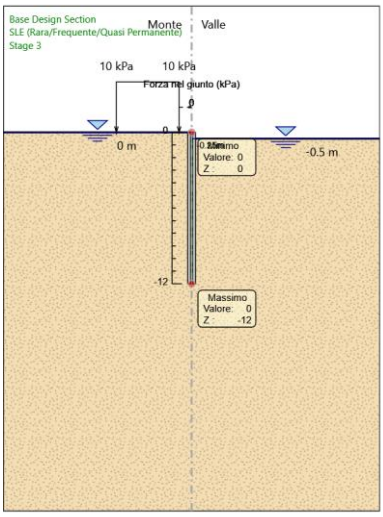

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
0 m
Minimo
Valore: -2.0546E-14
Z: -1.65
Massimo
Valore: 2.2312E-15
Z: -4.45
-12

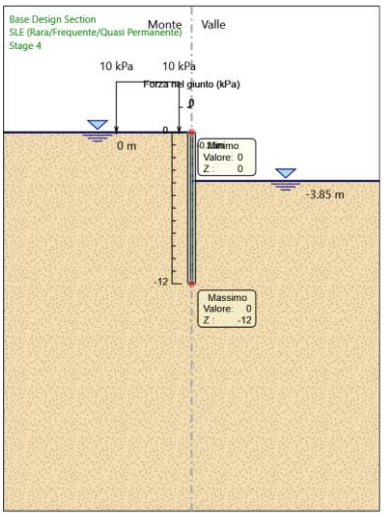

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
0.25m Minimo
Valore: -2.6179E-14
Z: -0.2
-0.5 m
-12
Massimo
Valore: 2.7369E-14
Z: -10.45

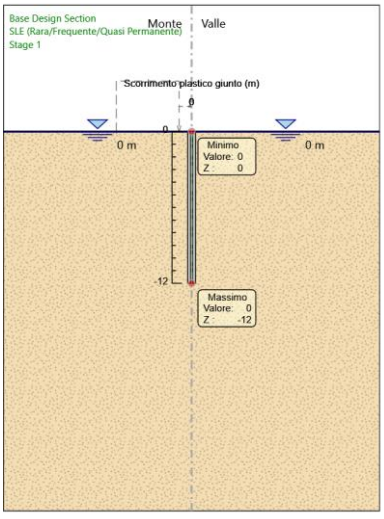

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
4E-12
6E-12
0 m
0.25m
Massimo
Valore: 5.3312E-12
Z: -0.2
Minimo
Valore: -3.57E-12
Z: -2.45
-3.85 m
-12

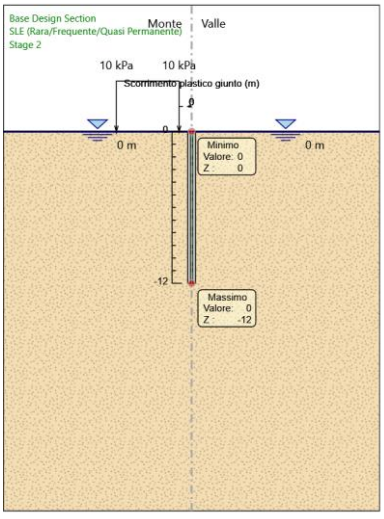

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Forza nel giunto (kPa)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

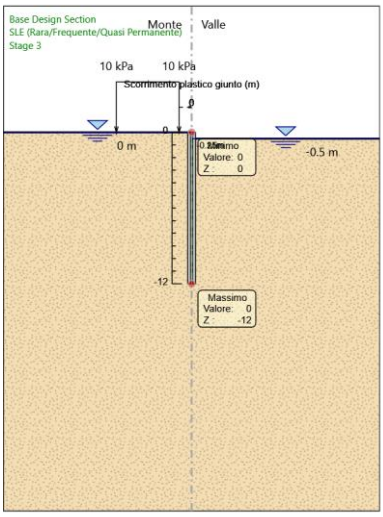

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

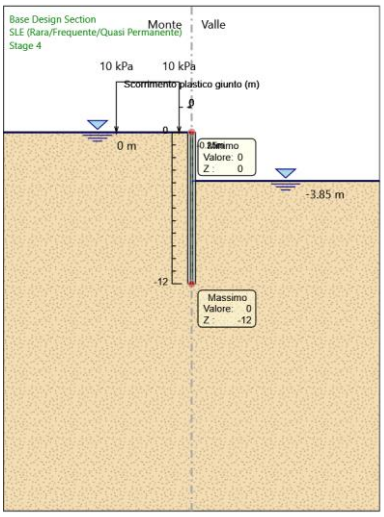

Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0 m
-0.5 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0 m
-3.85 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 1
Monte
Valle
Scorrimento plastico giunto (m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 2
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 3
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
-0.5 m
-12
Massimo
Valore: 0
Z: -12


Base Design Section
SLE (Rara/Frequente/Quasi Permanente)
Stage 4
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
-3.85 m
-12
Massimo
Valore: 0
Z: -12

Risultati A1+M1+R1 (R3 per tiranti)

Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 1

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.25	0	0
Stage 1	-0.45	0	0
Stage 1	-0.65	0	0
Stage 1	-0.85	0	0
Stage 1	-1.05	0	0
Stage 1	-1.25	0	0
Stage 1	-1.45	0	0
Stage 1	-1.65	0	0
Stage 1	-1.85	0	0
Stage 1	-2.05	0	0
Stage 1	-2.25	0	0
Stage 1	-2.45	0	0
Stage 1	-2.65	0	0
Stage 1	-2.85	0	0
Stage 1	-3.05	0	0
Stage 1	-3.25	0	0
Stage 1	-3.45	0	0
Stage 1	-3.65	0	0
Stage 1	-3.85	0	0
Stage 1	-4.05	0	0
Stage 1	-4.25	0	0
Stage 1	-4.45	0	0
Stage 1	-4.65	0	0
Stage 1	-4.85	0	0
Stage 1	-5.05	0	0
Stage 1	-5.25	0	0
Stage 1	-5.45	0	0
Stage 1	-5.65	0	0
Stage 1	-5.85	0	0
Stage 1	-6.05	0	0
Stage 1	-6.25	0	0
Stage 1	-6.45	0	0
Stage 1	-6.65	0	0
Stage 1	-6.85	0	0
Stage 1	-7.05	0	0
Stage 1	-7.25	0	0
Stage 1	-7.45	0	0
Stage 1	-7.65	0	0
Stage 1	-7.85	0	0
Stage 1	-8.05	0	0
Stage 1	-8.25	0	0
Stage 1	-8.45	0	0
Stage 1	-8.65	0	0
Stage 1	-8.85	0	0
Stage 1	-9.05	0	0
Stage 1	-9.25	0	0
Stage 1	-9.45	0	0
Stage 1	-9.65	0	0
Stage 1	-9.85	0	0
Stage 1	-10.05	0	0
Stage 1	-10.25	0	0
Stage 1	-10.45	0	0
Stage 1	-10.65	0	0
Stage 1	-10.85	0	0
Stage 1	-11.05	0	0
Stage 1	-11.25	0	0
Stage 1	-11.45	0	0
Stage 1	-11.65	0	0
Stage 1	-11.85	0	0
Stage 1	-12	0	0

Tabella Risultati Parete Combinata A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 1

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	0	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-12	0	0	0	0	0	0

Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 2

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.25	0	0.01
Stage 2	-0.45	0.01	0.03
Stage 2	-0.65	0.03	0.09
Stage 2	-0.85	0.06	0.15
Stage 2	-1.05	0.1	0.21
Stage 2	-1.25	0.15	0.27
Stage 2	-1.45	0.22	0.32
Stage 2	-1.65	0.29	0.36
Stage 2	-1.85	0.36	0.36
Stage 2	-2.05	0.43	0.34
Stage 2	-2.25	0.49	0.31
Stage 2	-2.45	0.55	0.27
Stage 2	-2.65	0.59	0.23
Stage 2	-2.85	0.63	0.19
Stage 2	-3.05	0.66	0.15
Stage 2	-3.25	0.68	0.11
Stage 2	-3.45	0.7	0.08
Stage 2	-3.65	0.71	0.05
Stage 2	-3.85	0.71	0.02
Stage 2	-4.05	0.71	-0.01
Stage 2	-4.25	0.7	-0.03
Stage 2	-4.45	0.69	-0.04
Stage 2	-4.65	0.68	-0.05
Stage 2	-4.85	0.67	-0.06
Stage 2	-5.05	0.66	-0.08
Stage 2	-5.25	0.64	-0.09
Stage 2	-5.45	0.62	-0.1
Stage 2	-5.65	0.59	-0.12
Stage 2	-5.85	0.56	-0.15
Stage 2	-6.05	0.52	-0.19
Stage 2	-6.25	0.48	-0.22
Stage 2	-6.45	0.43	-0.25
Stage 2	-6.65	0.38	-0.26
Stage 2	-6.85	0.33	-0.26
Stage 2	-7.05	0.28	-0.26
Stage 2	-7.25	0.23	-0.25
Stage 2	-7.45	0.18	-0.23
Stage 2	-7.65	0.14	-0.21
Stage 2	-7.85	0.1	-0.19
Stage 2	-8.05	0.06	-0.17
Stage 2	-8.25	0.03	-0.15
Stage 2	-8.45	0.01	-0.13
Stage 2	-8.65	-0.01	-0.11
Stage 2	-8.85	-0.03	-0.08
Stage 2	-9.05	-0.04	-0.06
Stage 2	-9.25	-0.05	-0.05
Stage 2	-9.45	-0.06	-0.03
Stage 2	-9.65	-0.06	-0.01
Stage 2	-9.85	-0.06	0
Stage 2	-10.05	-0.06	0.01
Stage 2	-10.25	-0.05	0.02
Stage 2	-10.45	-0.05	0.03
Stage 2	-10.65	-0.04	0.03
Stage 2	-10.85	-0.03	0.04
Stage 2	-11.05	-0.02	0.04
Stage 2	-11.25	-0.02	0.04
Stage 2	-11.45	-0.01	0.03
Stage 2	-11.65	0	0.03
Stage 2	-11.85	0	0.02
Stage 2	-12	0	0.01

Tabella Risultati Parete Combinata A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 2

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	0	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.85	0	0	0	0	0	0
Stage 2	-0.85	0	0.01	0	0	0	0
Stage 2	-1.05	0	0.01	0	0.01	0	0
Stage 2	-1.05	0	0.01	0	0.01	0	0
Stage 2	-1.25	0	0.01	0	0.01	0	0
Stage 2	-1.25	0	0.01	0	0.01	0	0
Stage 2	-1.45	0.01	0.01	0	0.01	0	0
Stage 2	-1.45	0.01	0.01	0	0.01	0	0
Stage 2	-1.65	0.01	0.01	0	0.01	0	0
Stage 2	-1.65	0.01	0.01	0	0.01	0	0
Stage 2	-1.85	0.01	0.01	0	0.02	0	0
Stage 2	-1.85	0.01	0.01	0	0.02	0	0
Stage 2	-2.05	0.01	0.01	0	0.02	0	0
Stage 2	-2.05	0.01	0.01	0	0.02	0	0
Stage 2	-2.25	0.01	0.01	0	0.03	0	0
Stage 2	-2.25	0.01	0.01	0	0.03	0	0
Stage 2	-2.45	0.01	0.01	0	0.03	0	0
Stage 2	-2.45	0.01	0.01	0	0.03	0	0
Stage 2	-2.65	0.02	0.01	0	0.03	0	0
Stage 2	-2.65	0.02	0	0	0.03	0	0
Stage 2	-2.85	0.02	0	0	0.03	0	0
Stage 2	-2.85	0.02	0	0	0.03	0	0
Stage 2	-3.05	0.02	0	0	0.03	0	0
Stage 2	-3.05	0.02	0	0	0.03	0	0
Stage 2	-3.25	0.02	0	0	0.04	0	0
Stage 2	-3.25	0.02	0	0	0.04	0	0
Stage 2	-3.45	0.02	0	0	0.04	0	0
Stage 2	-3.45	0.02	0	0	0.04	0	0
Stage 2	-3.65	0.02	0	0	0.04	0	0
Stage 2	-3.65	0.02	0	0	0.04	0	0
Stage 2	-3.85	0.02	0	0	0.04	0	0
Stage 2	-3.85	0.02	0	0	0.04	0	0
Stage 2	-4.05	0.02	0	0	0.04	0	0
Stage 2	-4.05	0.02	0	0	0.04	0	0
Stage 2	-4.25	0.02	0	0	0.04	0	0
Stage 2	-4.25	0.02	0	0	0.04	0	0
Stage 2	-4.45	0.02	0	0	0.04	0	0
Stage 2	-4.45	0.02	0	0	0.04	0	0
Stage 2	-4.65	0.02	0	0	0.04	0	0
Stage 2	-4.65	0.02	0	0	0.04	0	0
Stage 2	-4.85	0.02	0	0	0.03	0	0
Stage 2	-4.85	0.02	0	0	0.03	0	0
Stage 2	-5.05	0.02	0	0	0.03	0	0
Stage 2	-5.05	0.02	0	0	0.03	0	0
Stage 2	-5.25	0.02	0	0	0.03	0	0
Stage 2	-5.25	0.02	0	0	0.03	0	0
Stage 2	-5.45	0.02	0	0	0.03	0	0
Stage 2	-5.45	0.02	0	0	0.03	0	0
Stage 2	-5.65	0.02	0	0	0.03	0	0
Stage 2	-5.65	0.02	0	0	0.03	0	0
Stage 2	-5.85	0.01	0	0	0.03	0	0
Stage 2	-5.85	0.01	0	0	0.03	0	0
Stage 2	-6.05	0.01	0	0	0.03	0	0
Stage 2	-6.05	0.01	-0.01	0	0.03	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	-6.25	0.01	-0.01	0	0.02	0	0
Stage 2	-6.25	0.01	-0.01	0	0.02	0	0
Stage 2	-6.45	0.01	-0.01	0	0.02	0	0
Stage 2	-6.45	0.01	-0.01	0	0.02	0	0
Stage 2	-6.65	0.01	-0.01	0	0.02	0	0
Stage 2	-6.65	0.01	-0.01	0	0.02	0	0
Stage 2	-6.85	0.01	-0.01	0	0.02	0	0
Stage 2	-6.85	0.01	-0.01	0	0.02	0	0
Stage 2	-7.05	0.01	-0.01	0	0.01	0	0
Stage 2	-7.05	0.01	-0.01	0	0.01	0	0
Stage 2	-7.25	0.01	-0.01	0	0.01	0	0
Stage 2	-7.25	0.01	-0.01	0	0.01	0	0
Stage 2	-7.45	0	-0.01	0	0.01	0	0
Stage 2	-7.45	0	-0.01	0	0.01	0	0
Stage 2	-7.65	0	-0.01	0	0.01	0	0
Stage 2	-7.65	0	0	0	0.01	0	0
Stage 2	-7.85	0	0	0	0.01	0	0
Stage 2	-7.85	0	0	0	0.01	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-12	0	0	0	0	0	0

Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 3

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.25	-0.02	-0.39
Stage 3	-0.45	-0.19	-0.88
Stage 3	-0.65	-0.65	-2.29
Stage 3	-0.85	-1.17	-2.59
Stage 3	-1.05	-1.72	-2.77
Stage 3	-1.25	-2.29	-2.85
Stage 3	-1.45	-2.86	-2.83
Stage 3	-1.65	-3.4	-2.71
Stage 3	-1.85	-3.9	-2.5
Stage 3	-2.05	-4.34	-2.19
Stage 3	-2.25	-4.7	-1.78
Stage 3	-2.45	-4.95	-1.27
Stage 3	-2.65	-5.08	-0.64
Stage 3	-2.85	-5.06	0.1
Stage 3	-3.05	-4.92	0.69
Stage 3	-3.25	-4.69	1.15
Stage 3	-3.45	-4.39	1.5
Stage 3	-3.65	-4.04	1.73
Stage 3	-3.85	-3.67	1.88
Stage 3	-4.05	-3.27	1.96
Stage 3	-4.25	-2.88	1.99
Stage 3	-4.45	-2.48	1.98
Stage 3	-4.65	-2.09	1.93
Stage 3	-4.85	-1.73	1.84
Stage 3	-5.05	-1.38	1.71
Stage 3	-5.25	-1.07	1.57
Stage 3	-5.45	-0.79	1.42
Stage 3	-5.65	-0.54	1.25
Stage 3	-5.85	-0.32	1.07
Stage 3	-6.05	-0.14	0.89
Stage 3	-6.25	0	0.71
Stage 3	-6.45	0.11	0.55
Stage 3	-6.65	0.19	0.41
Stage 3	-6.85	0.25	0.29
Stage 3	-7.05	0.29	0.19
Stage 3	-7.25	0.31	0.1
Stage 3	-7.45	0.31	0.03
Stage 3	-7.65	0.31	-0.02
Stage 3	-7.85	0.29	-0.06
Stage 3	-8.05	0.28	-0.1
Stage 3	-8.25	0.25	-0.12
Stage 3	-8.45	0.23	-0.13
Stage 3	-8.65	0.2	-0.14
Stage 3	-8.85	0.17	-0.14
Stage 3	-9.05	0.14	-0.13
Stage 3	-9.25	0.12	-0.13
Stage 3	-9.45	0.1	-0.12
Stage 3	-9.65	0.08	-0.1
Stage 3	-9.85	0.06	-0.09
Stage 3	-10.05	0.04	-0.08
Stage 3	-10.25	0.03	-0.06
Stage 3	-10.45	0.02	-0.05
Stage 3	-10.65	0.01	-0.04
Stage 3	-10.85	0.01	-0.03
Stage 3	-11.05	0	-0.02
Stage 3	-11.25	0	-0.01
Stage 3	-11.45	0	0
Stage 3	-11.65	0	0
Stage 3	-11.85	0	0
Stage 3	-12	0	0

Tabella Risultati Parete Combinata A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 3

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	0	0	0	0
Stage 3	-0.2	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.02	0	0	0	0
Stage 3	-0.45	0	-0.02	0	-0.01	0	0
Stage 3	-0.45	0	-0.06	0	-0.01	0	0
Stage 3	-0.65	-0.02	-0.06	0	-0.03	0	0
Stage 3	-0.65	-0.02	-0.07	0	-0.03	0	0
Stage 3	-0.85	-0.03	-0.07	0	-0.06	0	0
Stage 3	-0.85	-0.03	-0.07	0	-0.06	0	0
Stage 3	-1.05	-0.04	-0.07	0	-0.09	0	0
Stage 3	-1.05	-0.04	-0.07	0	-0.09	0	0
Stage 3	-1.25	-0.06	-0.07	0	-0.12	0	0
Stage 3	-1.25	-0.06	-0.07	0	-0.12	0	0
Stage 3	-1.45	-0.07	-0.07	0	-0.15	0	0
Stage 3	-1.45	-0.07	-0.07	0	-0.15	0	0
Stage 3	-1.65	-0.09	-0.07	0	-0.17	0	0
Stage 3	-1.65	-0.09	-0.06	0	-0.17	0	0
Stage 3	-1.85	-0.1	-0.06	0	-0.2	0	0
Stage 3	-1.85	-0.1	-0.06	0	-0.2	0	0
Stage 3	-2.05	-0.11	-0.06	0	-0.22	0	0
Stage 3	-2.05	-0.11	-0.05	0	-0.22	0	0
Stage 3	-2.25	-0.12	-0.05	0	-0.24	0	0
Stage 3	-2.25	-0.12	-0.03	0	-0.24	0	0
Stage 3	-2.45	-0.13	-0.03	0	-0.25	0	0
Stage 3	-2.45	-0.13	-0.02	0	-0.25	0	0
Stage 3	-2.65	-0.13	-0.02	0	-0.26	0	0
Stage 3	-2.65	-0.13	0	0	-0.26	0	0
Stage 3	-2.85	-0.13	0	0	-0.26	0	0
Stage 3	-2.85	-0.13	0.02	0	-0.26	0	0
Stage 3	-3.05	-0.13	0.02	0	-0.25	0	0
Stage 3	-3.05	-0.13	0.03	0	-0.25	0	0
Stage 3	-3.25	-0.12	0.03	0	-0.24	0	0
Stage 3	-3.25	-0.12	0.04	0	-0.24	0	0
Stage 3	-3.45	-0.11	0.04	0	-0.23	0	0
Stage 3	-3.45	-0.11	0.04	0	-0.23	0	0
Stage 3	-3.65	-0.1	0.04	0	-0.21	0	0
Stage 3	-3.65	-0.1	0.05	0	-0.21	0	0
Stage 3	-3.85	-0.09	0.05	0	-0.19	0	0
Stage 3	-3.85	-0.09	0.05	0	-0.19	0	0
Stage 3	-4.05	-0.08	0.05	0	-0.17	0	0
Stage 3	-4.05	-0.08	0.05	0	-0.17	0	0
Stage 3	-4.25	-0.07	0.05	0	-0.15	0	0
Stage 3	-4.25	-0.07	0.05	0	-0.15	0	0
Stage 3	-4.45	-0.06	0.05	0	-0.13	0	0
Stage 3	-4.45	-0.06	0.05	0	-0.13	0	0
Stage 3	-4.65	-0.05	0.05	0	-0.11	0	0
Stage 3	-4.65	-0.05	0.05	0	-0.11	0	0
Stage 3	-4.85	-0.04	0.05	0	-0.09	0	0
Stage 3	-4.85	-0.04	0.04	0	-0.09	0	0
Stage 3	-5.05	-0.04	0.04	0	-0.07	0	0
Stage 3	-5.05	-0.04	0.04	0	-0.07	0	0
Stage 3	-5.25	-0.03	0.04	0	-0.05	0	0
Stage 3	-5.25	-0.03	0.04	0	-0.05	0	0
Stage 3	-5.45	-0.02	0.04	0	-0.04	0	0
Stage 3	-5.45	-0.02	0.03	0	-0.04	0	0
Stage 3	-5.65	-0.01	0.03	0	-0.03	0	0
Stage 3	-5.65	-0.01	0.03	0	-0.03	0	0
Stage 3	-5.85	-0.01	0.03	0	-0.02	0	0
Stage 3	-5.85	-0.01	0.02	0	-0.02	0	0
Stage 3	-6.05	0	0.02	0	-0.01	0	0
Stage 3	-6.05	0	0.02	0	-0.01	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	-6.25	0	0.02	0	0	0	0
Stage 3	-6.25	0	0.01	0	0	0	0
Stage 3	-6.45	0	0.01	0	0.01	0	0
Stage 3	-6.45	0	0.01	0	0.01	0	0
Stage 3	-6.65	0	0.01	0	0.01	0	0
Stage 3	-6.65	0	0.01	0	0.01	0	0
Stage 3	-6.85	0.01	0.01	0	0.01	0	0
Stage 3	-6.85	0.01	0	0	0.01	0	0
Stage 3	-7.05	0.01	0	0	0.01	0	0
Stage 3	-7.05	0.01	0	0	0.01	0	0
Stage 3	-7.25	0.01	0	0	0.02	0	0
Stage 3	-7.25	0.01	0	0	0.02	0	0
Stage 3	-7.45	0.01	0	0	0.02	0	0
Stage 3	-7.45	0.01	0	0	0.02	0	0
Stage 3	-7.65	0.01	0	0	0.02	0	0
Stage 3	-7.65	0.01	0	0	0.02	0	0
Stage 3	-7.85	0.01	0	0	0.02	0	0
Stage 3	-7.85	0.01	0	0	0.02	0	0
Stage 3	-8.05	0.01	0	0	0.01	0	0
Stage 3	-8.05	0.01	0	0	0.01	0	0
Stage 3	-8.25	0.01	0	0	0.01	0	0
Stage 3	-8.25	0.01	0	0	0.01	0	0
Stage 3	-8.45	0.01	0	0	0.01	0	0
Stage 3	-8.45	0.01	0	0	0.01	0	0
Stage 3	-8.65	0.01	0	0	0.01	0	0
Stage 3	-8.65	0.01	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.25	0	0	0	0.01	0	0
Stage 3	-9.25	0	0	0	0.01	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-12	0	0	0	0	0	0

Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 4

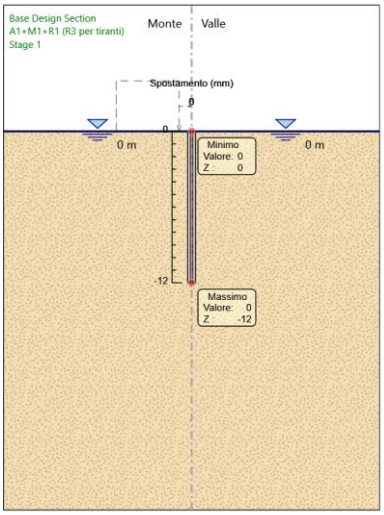
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	0	0	0
Stage 4	-0.2	0	0
Stage 4	-0.2	0	0
Stage 4	-0.25	-0.02	-0.35
Stage 4	-0.25	-0.02	-0.35
Stage 4	-0.45	-0.18	-0.79
Stage 4	-0.65	-0.59	-2.06
Stage 4	-0.85	-1.37	-3.9
Stage 4	-1.05	-2.63	-6.32
Stage 4	-1.25	-4.5	-9.33
Stage 4	-1.45	-7.08	-12.92
Stage 4	-1.65	-10.5	-17.09
Stage 4	-1.85	-14.87	-21.86
Stage 4	-2.05	-20.31	-27.21
Stage 4	-2.25	-26.94	-33.15
Stage 4	-2.45	-34.88	-39.67
Stage 4	-2.65	-44.23	-46.77
Stage 4	-2.85	-55.12	-54.44
Stage 4	-3.05	-67.65	-62.68
Stage 4	-3.25	-81.95	-71.5
Stage 4	-3.45	-98.13	-80.89
Stage 4	-3.65	-116.3	-90.85
Stage 4	-3.85	-136.58	-101.38
Stage 4	-4.05	-159.07	-112.47
Stage 4	-4.25	-183.17	-120.51
Stage 4	-4.45	-208.27	-125.5
Stage 4	-4.65	-233.76	-127.43
Stage 4	-4.85	-259.02	-126.31
Stage 4	-5.05	-283.45	-122.14
Stage 4	-5.25	-306.43	-114.91
Stage 4	-5.45	-327.36	-104.62
Stage 4	-5.65	-345.61	-91.28
Stage 4	-5.85	-360.59	-74.89
Stage 4	-6.05	-372.15	-57.78
Stage 4	-6.25	-380.5	-41.79
Stage 4	-6.45	-385.87	-26.85
Stage 4	-6.65	-388.46	-12.92
Stage 4	-6.85	-388.45	0.04
Stage 4	-7.05	-386.03	12.1
Stage 4	-7.25	-381.37	23.3
Stage 4	-7.45	-374.63	33.7
Stage 4	-7.65	-365.96	43.33
Stage 4	-7.85	-355.51	52.26
Stage 4	-8.05	-343.4	60.53
Stage 4	-8.25	-329.77	68.18
Stage 4	-8.45	-314.72	75.26
Stage 4	-8.65	-298.35	81.81
Stage 4	-8.85	-280.78	87.88
Stage 4	-9.05	-262.08	93.51
Stage 4	-9.25	-242.33	98.72
Stage 4	-9.45	-221.62	103.56
Stage 4	-9.65	-200.01	108.06
Stage 4	-9.85	-177.56	112.24
Stage 4	-10.05	-154.33	116.13
Stage 4	-10.25	-130.41	119.63
Stage 4	-10.45	-106.74	118.34
Stage 4	-10.65	-84.15	112.98
Stage 4	-10.85	-63.2	104.72
Stage 4	-11.05	-44.48	93.59
Stage 4	-11.25	-28.48	80.03
Stage 4	-11.45	-15.65	64.15
Stage 4	-11.65	-6.45	45.97
Stage 4	-11.85	-1.21	26.21
Stage 4	-12	0	8.06

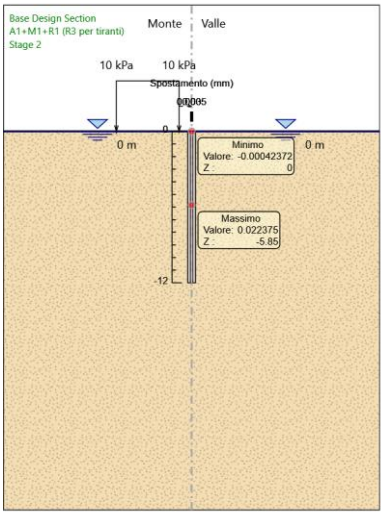
Tabella Risultati Parete Combinata A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 4

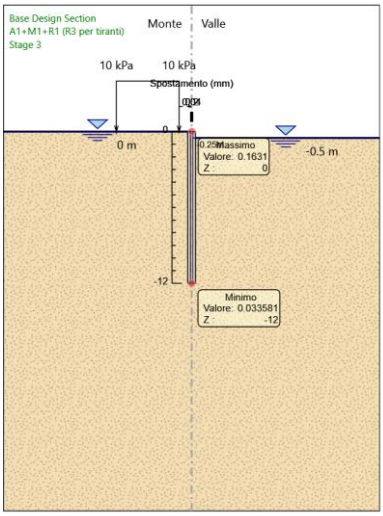
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	0	0	0	0
Stage 4	-0.2	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.02	0	0	0	0
Stage 4	-0.45	0	-0.02	0	-0.01	0	0
Stage 4	-0.45	0	-0.05	0	-0.01	0	0
Stage 4	-0.65	-0.02	-0.05	0	-0.03	0	0
Stage 4	-0.65	-0.02	-0.1	0	-0.03	0	0
Stage 4	-0.85	-0.04	-0.1	0	-0.07	0	0
Stage 4	-0.85	-0.04	-0.16	0	-0.07	0	0
Stage 4	-1.05	-0.07	-0.16	0	-0.14	0	0
Stage 4	-1.05	-0.07	-0.24	0	-0.14	0	0
Stage 4	-1.25	-0.12	-0.24	0	-0.23	0	0
Stage 4	-1.25	-0.12	-0.33	0	-0.23	0	0
Stage 4	-1.45	-0.18	-0.33	0	-0.36	0	0
Stage 4	-1.45	-0.18	-0.44	0	-0.36	0	0
Stage 4	-1.65	-0.27	-0.44	0	-0.54	0	0
Stage 4	-1.65	-0.27	-0.56	0	-0.54	0	0
Stage 4	-1.85	-0.38	-0.56	0	-0.76	0	0
Stage 4	-1.85	-0.38	-0.7	0	-0.76	0	0
Stage 4	-2.05	-0.52	-0.7	0	-1.04	0	0
Stage 4	-2.05	-0.52	-0.85	0	-1.04	0	0
Stage 4	-2.25	-0.69	-0.85	0	-1.38	0	0
Stage 4	-2.25	-0.69	-1.02	0	-1.38	0	0
Stage 4	-2.45	-0.89	-1.02	0	-1.79	0	0
Stage 4	-2.45	-0.89	-1.2	0	-1.79	0	0
Stage 4	-2.65	-1.13	-1.2	0	-2.27	0	0
Stage 4	-2.65	-1.13	-1.4	0	-2.27	0	0
Stage 4	-2.85	-1.41	-1.4	0	-2.83	0	0
Stage 4	-2.85	-1.41	-1.61	0	-2.83	0	0
Stage 4	-3.05	-1.74	-1.61	0	-3.47	0	0
Stage 4	-3.05	-1.74	-1.83	0	-3.47	0	0
Stage 4	-3.25	-2.1	-1.83	0	-4.2	0	0
Stage 4	-3.25	-2.1	-2.07	0	-4.2	0	0
Stage 4	-3.45	-2.52	-2.07	0	-5.03	0	0
Stage 4	-3.45	-2.52	-2.33	0	-5.03	0	0
Stage 4	-3.65	-2.98	-2.33	0	-5.97	0	0
Stage 4	-3.65	-2.98	-2.6	0	-5.97	0	0
Stage 4	-3.85	-3.5	-2.6	0	-7.01	0	0
Stage 4	-3.85	-3.5	-2.89	0	-7.01	0	0
Stage 4	-4.05	-4.08	-2.89	0	-8.16	0	0
Stage 4	-4.05	-4.08	-3.09	0	-8.16	0	0
Stage 4	-4.25	-4.7	-3.09	0	-9.4	0	0
Stage 4	-4.25	-4.7	-3.22	0	-9.4	0	0
Stage 4	-4.45	-5.34	-3.22	0	-10.68	0	0
Stage 4	-4.45	-5.34	-3.27	0	-10.68	0	0
Stage 4	-4.65	-6	-3.27	0	-11.99	0	0
Stage 4	-4.65	-6	-3.24	0	-11.99	0	0
Stage 4	-4.85	-6.64	-3.24	0	-13.29	0	0
Stage 4	-4.85	-6.64	-3.13	0	-13.29	0	0
Stage 4	-5.05	-7.27	-3.13	0	-14.54	0	0
Stage 4	-5.05	-7.27	-2.95	0	-14.54	0	0
Stage 4	-5.25	-7.86	-2.95	0	-15.72	0	0
Stage 4	-5.25	-7.86	-2.68	0	-15.72	0	0
Stage 4	-5.45	-8.4	-2.68	0	-16.79	0	0
Stage 4	-5.45	-8.4	-2.34	0	-16.79	0	0
Stage 4	-5.65	-8.87	-2.34	0	-17.73	0	0
Stage 4	-5.65	-8.87	-1.92	0	-17.73	0	0
Stage 4	-5.85	-9.25	-1.92	0	-18.5	0	0
Stage 4	-5.85	-9.25	-1.48	0	-18.5	0	0
Stage 4	-6.05	-9.55	-1.48	0	-19.09	0	0
Stage 4	-6.05	-9.55	-1.07	0	-19.09	0	0

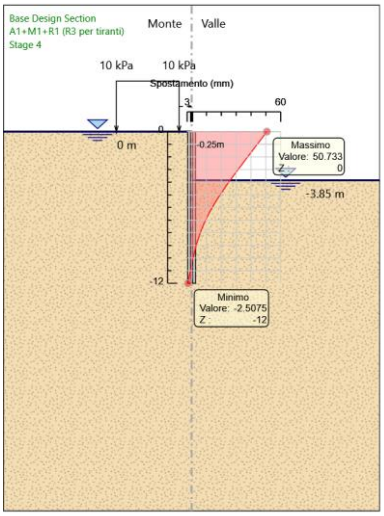
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Parete Combinata	Parete Combinata: LEFT					
Stage	Z (m)	Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	-6.25	-9.76	-1.07	0	-19.52	0	0
Stage 4	-6.25	-9.76	-0.69	0	-19.52	0	0
Stage 4	-6.45	-9.9	-0.69	0	-19.8	0	0
Stage 4	-6.45	-9.9	-0.33	0	-19.8	0	0
Stage 4	-6.65	-9.96	-0.33	0	-19.93	0	0
Stage 4	-6.65	-9.96	0	0	-19.93	0	0
Stage 4	-6.85	-9.96	0	0	-19.93	0	0
Stage 4	-6.85	-9.96	0.31	0	-19.93	0	0
Stage 4	-7.05	-9.9	0.31	0	-19.8	0	0
Stage 4	-7.05	-9.9	0.6	0	-19.8	0	0
Stage 4	-7.25	-9.78	0.6	0	-19.57	0	0
Stage 4	-7.25	-9.78	0.86	0	-19.57	0	0
Stage 4	-7.45	-9.61	0.86	0	-19.22	0	0
Stage 4	-7.45	-9.61	1.11	0	-19.22	0	0
Stage 4	-7.65	-9.39	1.11	0	-18.77	0	0
Stage 4	-7.65	-9.39	1.34	0	-18.77	0	0
Stage 4	-7.85	-9.12	1.34	0	-18.24	0	0
Stage 4	-7.85	-9.12	1.55	0	-18.24	0	0
Stage 4	-8.05	-8.81	1.55	0	-17.62	0	0
Stage 4	-8.05	-8.81	1.75	0	-17.62	0	0
Stage 4	-8.25	-8.46	1.75	0	-16.92	0	0
Stage 4	-8.25	-8.46	1.93	0	-16.92	0	0
Stage 4	-8.45	-8.07	1.93	0	-16.15	0	0
Stage 4	-8.45	-8.07	2.1	0	-16.15	0	0
Stage 4	-8.65	-7.65	2.1	0	-15.31	0	0
Stage 4	-8.65	-7.65	2.25	0	-15.31	0	0
Stage 4	-8.85	-7.2	2.25	0	-14.4	0	0
Stage 4	-8.85	-7.2	2.4	0	-14.4	0	0
Stage 4	-9.05	-6.72	2.4	0	-13.45	0	0
Stage 4	-9.05	-6.72	2.53	0	-13.45	0	0
Stage 4	-9.25	-6.22	2.53	0	-12.43	0	0
Stage 4	-9.25	-6.22	2.66	0	-12.43	0	0
Stage 4	-9.45	-5.68	2.66	0	-11.37	0	0
Stage 4	-9.45	-5.68	2.77	0	-11.37	0	0
Stage 4	-9.65	-5.13	2.77	0	-10.26	0	0
Stage 4	-9.65	-5.13	2.88	0	-10.26	0	0
Stage 4	-9.85	-4.55	2.88	0	-9.11	0	0
Stage 4	-9.85	-4.55	2.98	0	-9.11	0	0
Stage 4	-10.05	-3.96	2.98	0	-7.92	0	0
Stage 4	-10.05	-3.96	3.07	0	-7.92	0	0
Stage 4	-10.25	-3.35	3.07	0	-6.69	0	0
Stage 4	-10.25	-3.35	3.04	0	-6.69	0	0
Stage 4	-10.45	-2.74	3.04	0	-5.48	0	0
Stage 4	-10.45	-2.74	2.9	0	-5.48	0	0
Stage 4	-10.65	-2.16	2.9	0	-4.32	0	0
Stage 4	-10.65	-2.16	2.69	0	-4.32	0	0
Stage 4	-10.85	-1.62	2.69	0	-3.24	0	0
Stage 4	-10.85	-1.62	2.4	0	-3.24	0	0
Stage 4	-11.05	-1.14	2.4	0	-2.28	0	0
Stage 4	-11.05	-1.14	2.05	0	-2.28	0	0
Stage 4	-11.25	-0.73	2.05	0	-1.46	0	0
Stage 4	-11.25	-0.73	1.65	0	-1.46	0	0
Stage 4	-11.45	-0.4	1.65	0	-0.8	0	0
Stage 4	-11.45	-0.4	1.18	0	-0.8	0	0
Stage 4	-11.65	-0.17	1.18	0	-0.33	0	0
Stage 4	-11.65	-0.17	0.67	0	-0.33	0	0
Stage 4	-11.85	-0.03	0.67	0	-0.06	0	0
Stage 4	-11.85	-0.03	0.21	0	-0.06	0	0
Stage 4	-12	0	0.21	0	0	0	0

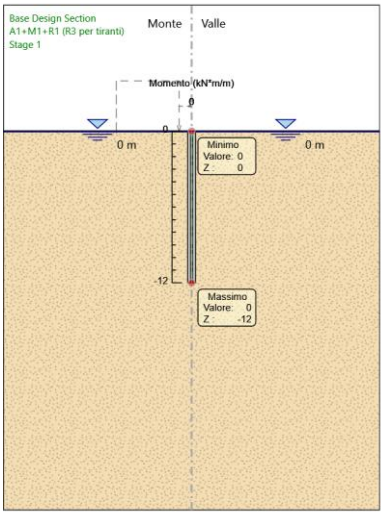
Tabella Grafici dei Risultati

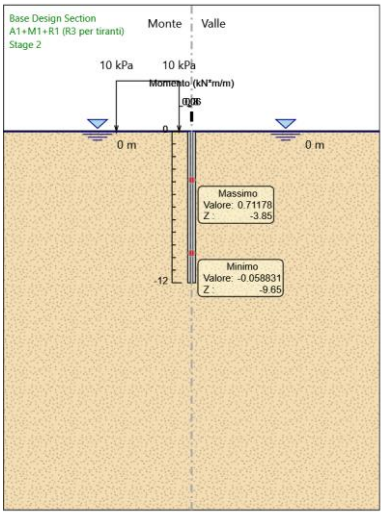


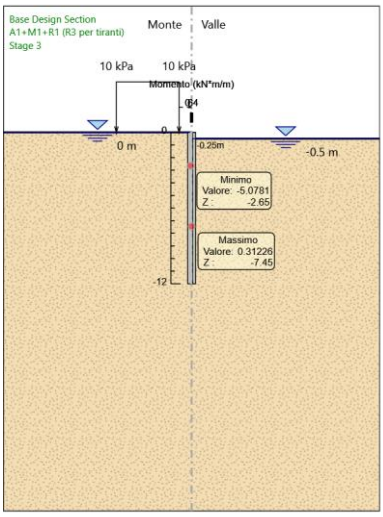


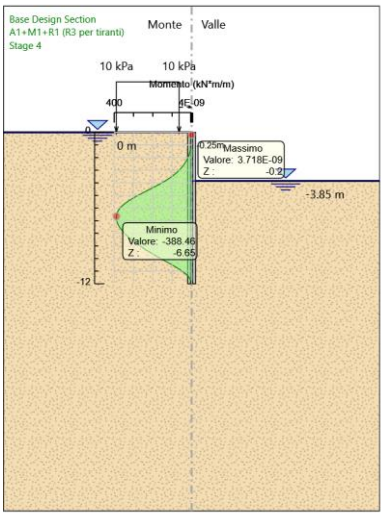


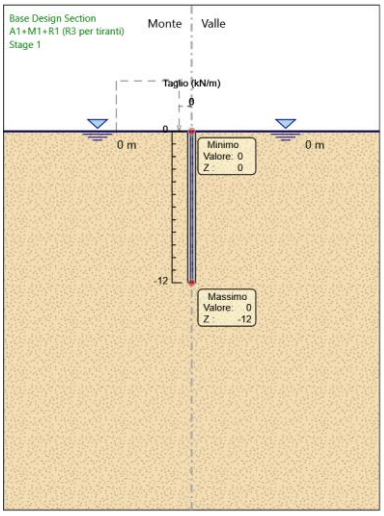


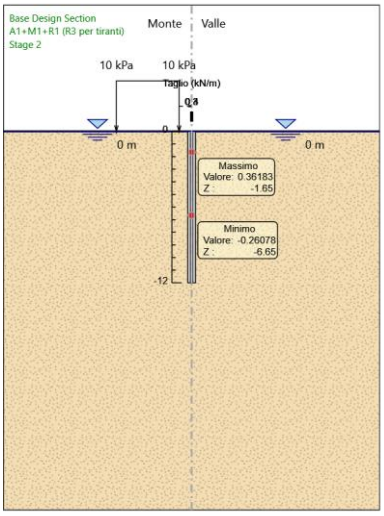


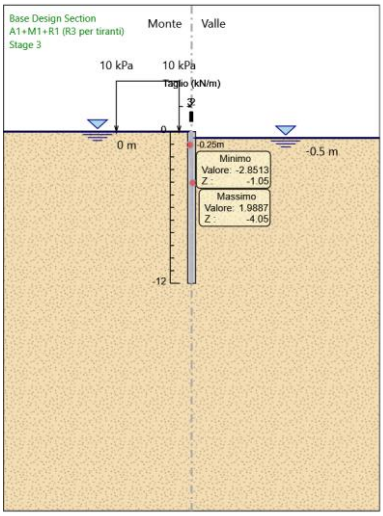


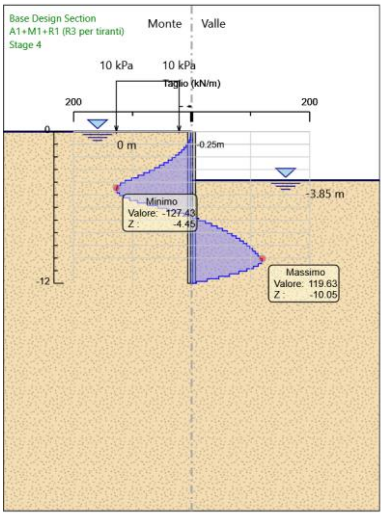

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -5.0781
Z: -2.65
Massimo
Valore: 0.31226
Z: -7.45
-12

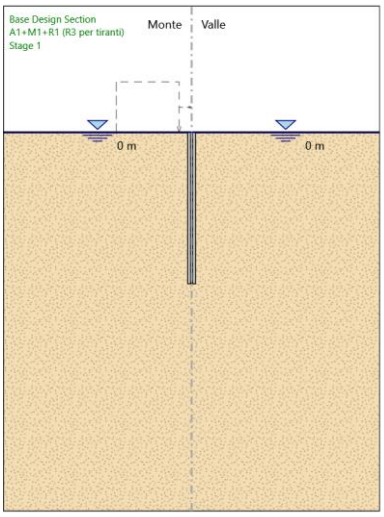

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento (kN*m/m)
400
0 m
-0.25m
Massimo
Valore: 3.718E-09
Z: -0.2
-3.85 m
Minimo
Valore: -388.46
Z: -6.65
-12

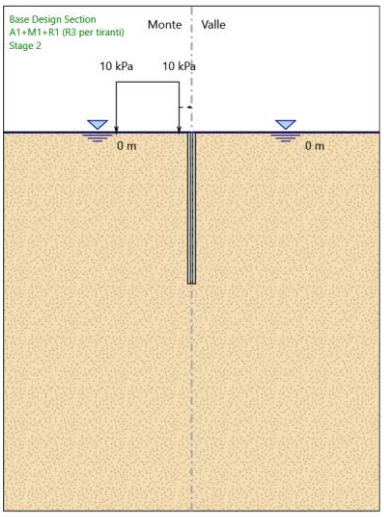

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Taglio (kN/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

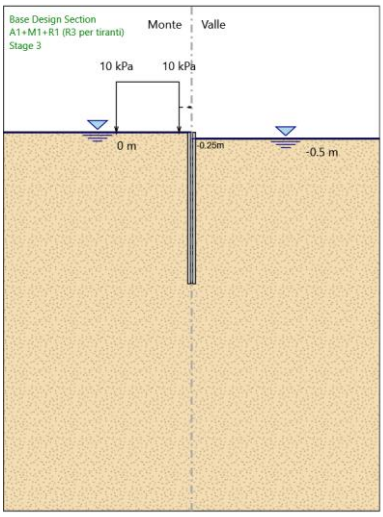

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
0 m
0 m
Massimo
Valore: 0.36183
Z: -1.65
Minimo
Valore: -0.26078
Z: -6.65
-12

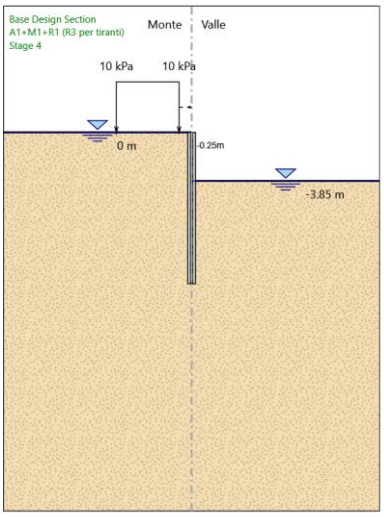

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -2.8513
Z: -1.05
Massimo
Valore: 1.9887
Z: -4.05
-12

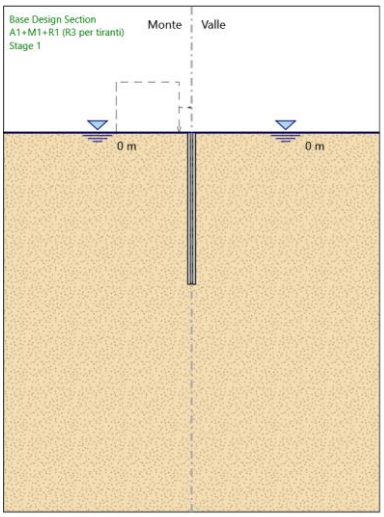

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
200
200
0 m
-0.25m
-3.85 m
Minimo
Valore: -127.43
Z: -4.45
Massimo
Valore: 119.63
Z: -10.05
-12

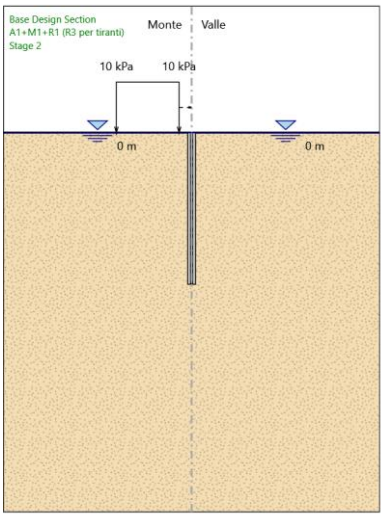

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
0 m
0 m

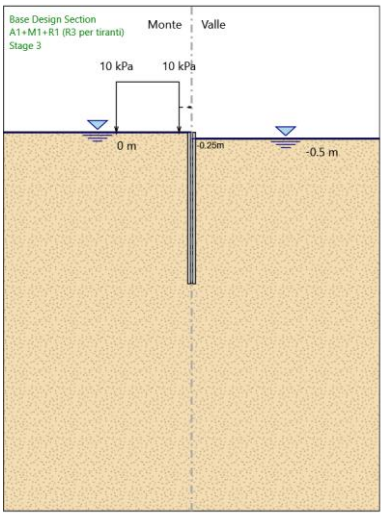

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
0 m
0 m

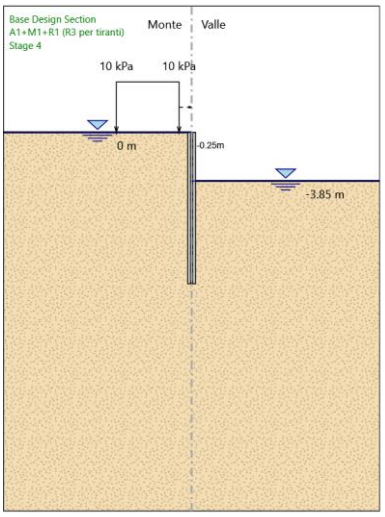

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-0.5 m

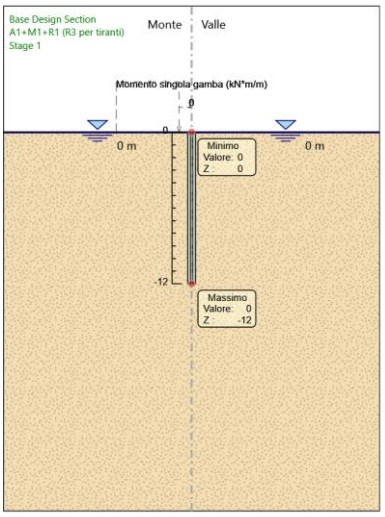

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-3.85 m

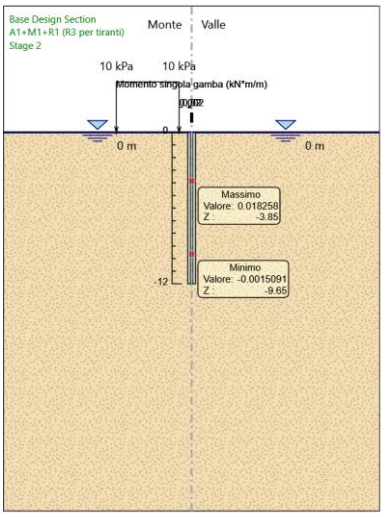

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
0 m
0 m

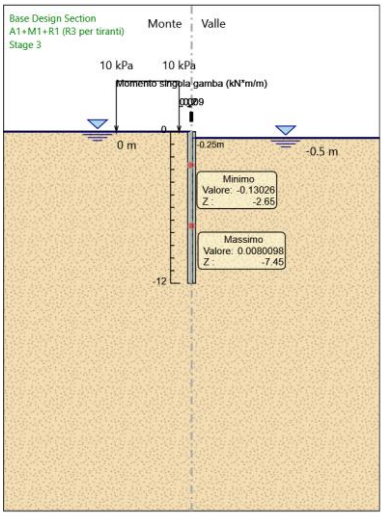

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
0 m
0 m

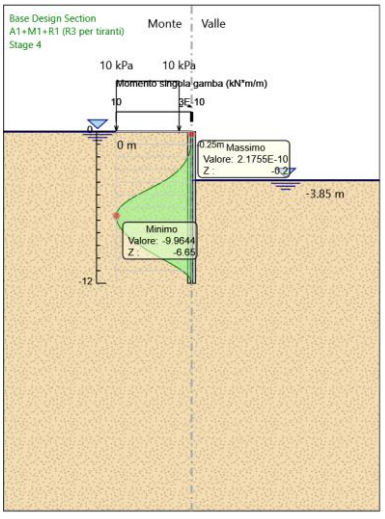

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-0.5 m

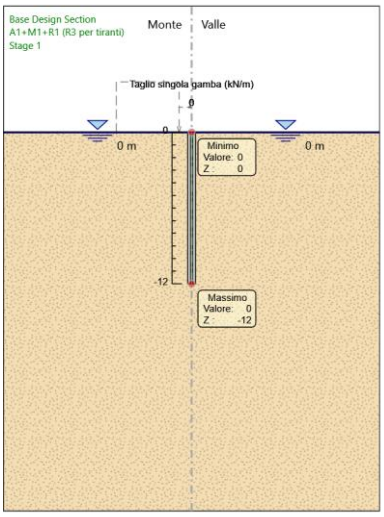

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-3.85 m

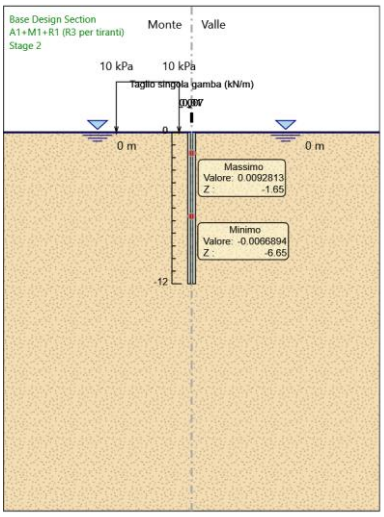

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Momento singola gamba (kN*m/m)
0 m
0 m
Minimo
Valore: 0
Z : 0
-12
Massimo
Valore: 0
Z : -12

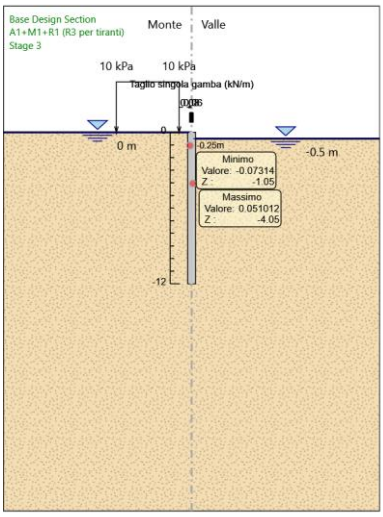

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
0 m
Massimo
Valore: 0.018258
Z : -3.85
Minimo
Valore: -0.0015091
Z : -9.65
-12

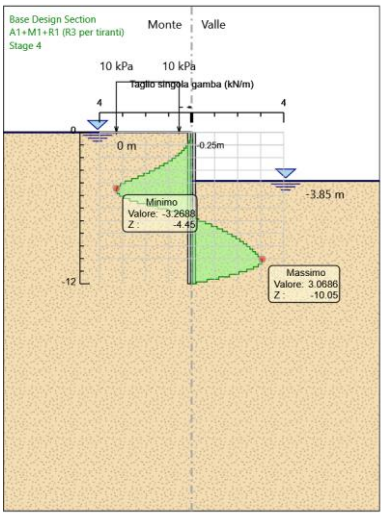

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -0.13026
Z : -2.65
Massimo
Valore: 0.0080098
Z : -7.45
-12

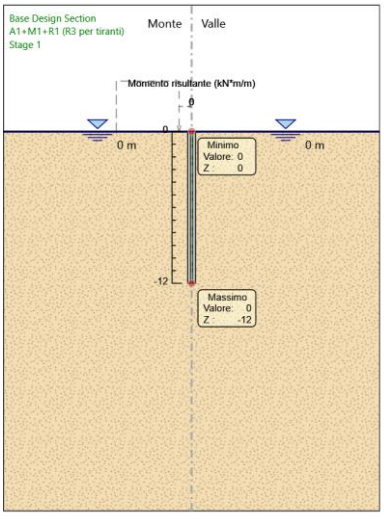

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
-0.25m
Massimo
Valore: 2.1755E-10
-3.85 m
Minimo
Valore: -9.9644
Z : -6.65
-12

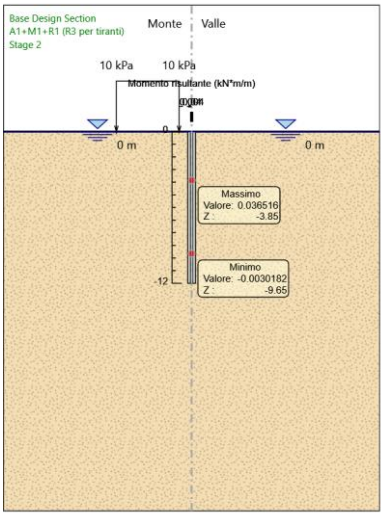

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Taglio singola gamba (kN/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

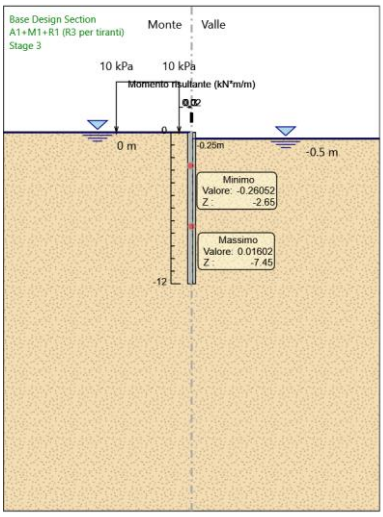

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
0 m
Massimo
Valore: 0.0092813
Z: -1.65
Minimo
Valore: -0.0066894
Z: -6.65
-12

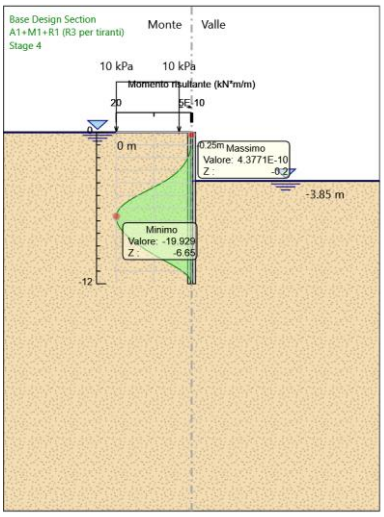

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
-0.5 m
-0.25m
Minimo
Valore: -0.07314
Z: -1.05
Massimo
Valore: 0.051012
Z: -4.05
-12

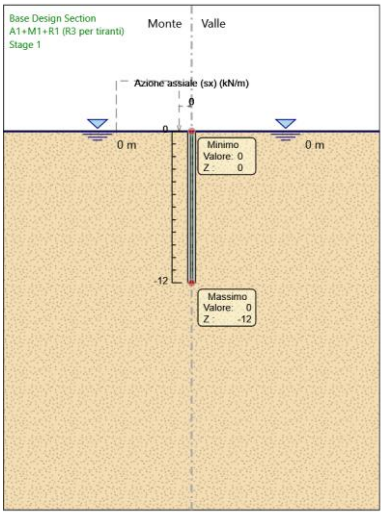

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
-0.25m
-3.85 m
Minimo
Valore: -3.2688
Z: -4.45
Massimo
Valore: 3.0686
Z: -10.05
-12

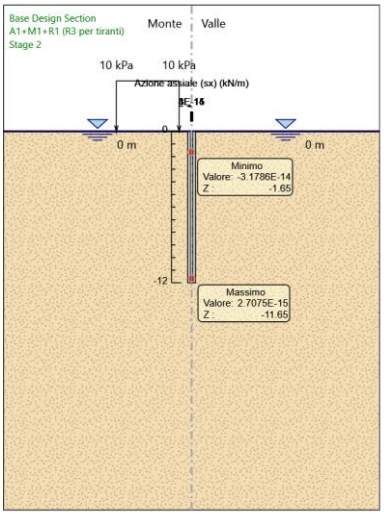

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Momento risultante (kN*m/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

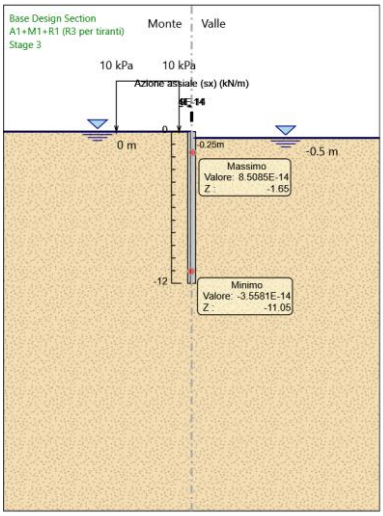

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
0 m
Massimo
Valore: 0.036516
Z: -3.85
Minimo
Valore: -0.0030182
Z: -9.65
-12

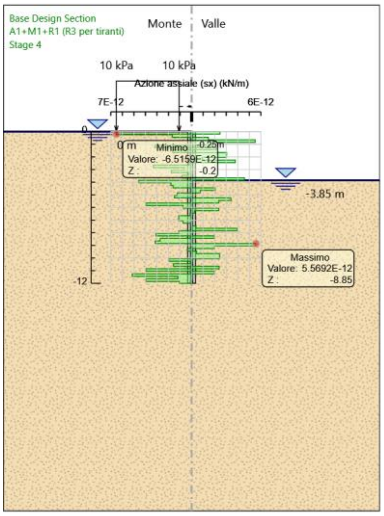

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -0.26052
Z: -2.65
Massimo
Valore: 0.01602
Z: -7.45
-12

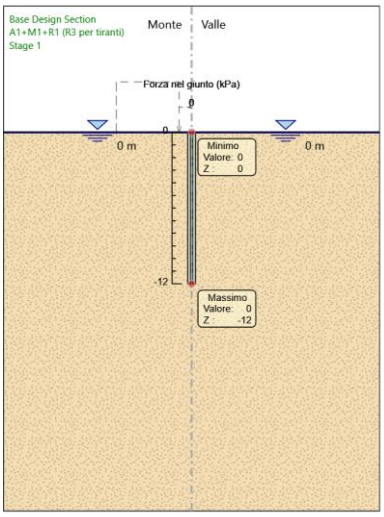

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
-0.25m
Massimo
Valore: 4.3771E-10
Z: -0.2
-3.85 m
Minimo
Valore: -19.929
Z: -6.65
-12

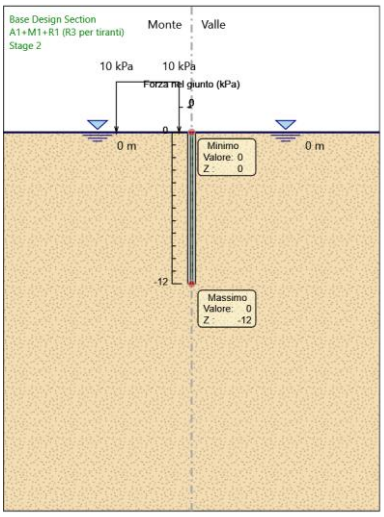

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Azione assiale (sx) (kN/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

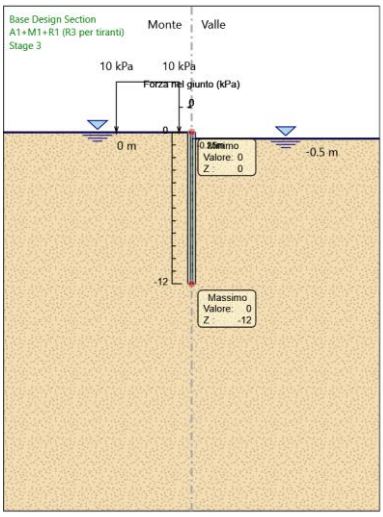

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
0 m
Minimo
Valore: -3.1786E-14
Z: -1.65
-12
Massimo
Valore: 2.7075E-15
Z: -11.65

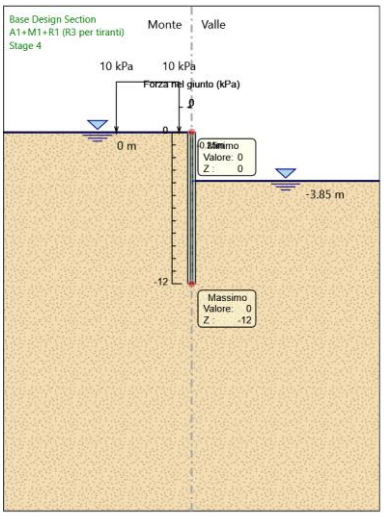

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
-0.25m
-0.5 m
Massimo
Valore: 8.5085E-14
Z: -1.65
-12
Minimo
Valore: -3.5581E-14
Z: -11.05

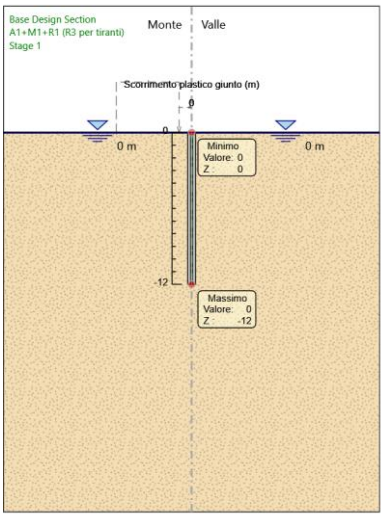

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
7E-12
6E-12
0 m
Minimo
Valore: -6.5159E-12
Z: -0.2
-0.25m
-3.85 m
-12
Massimo
Valore: 5.5692E-12
Z: -8.85

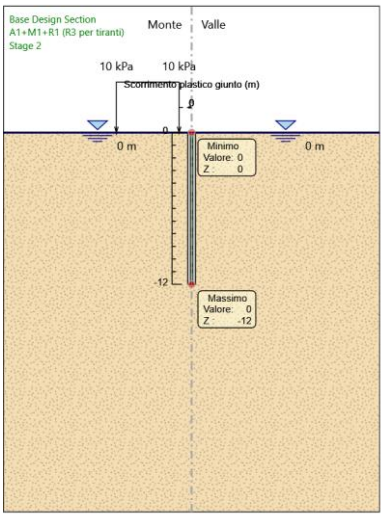

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Forza nel giunto (kPa)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

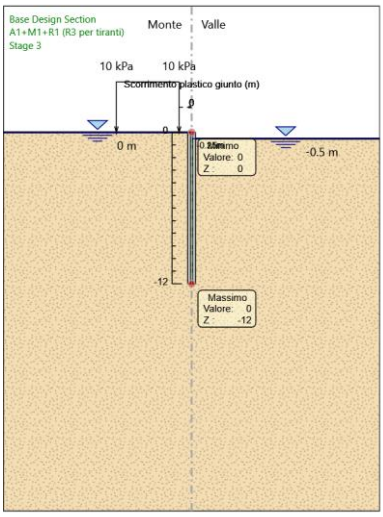

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

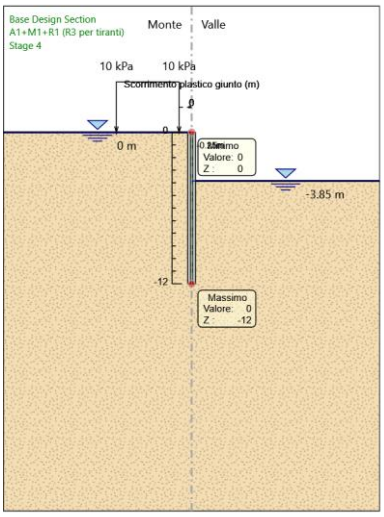

Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0
0 m
-0.5 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0
0 m
-3.85 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 1
Monte
Valle
Scorrimento plastico giunto (m)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 2
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 3
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
-0.5 m
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A1+M1+R1 (R3 per tiranti)
Stage 4
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
-3.85 m
-12
Massimo
Valore: 0
Z: -12

Risultati A2+M2+R1

Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 1

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.25	0	0
Stage 1	-0.45	0	0
Stage 1	-0.65	0	0
Stage 1	-0.85	0	0
Stage 1	-1.05	0	0
Stage 1	-1.25	0	0
Stage 1	-1.45	0	0
Stage 1	-1.65	0	0
Stage 1	-1.85	0	0
Stage 1	-2.05	0	0
Stage 1	-2.25	0	0
Stage 1	-2.45	0	0
Stage 1	-2.65	0	0
Stage 1	-2.85	0	0
Stage 1	-3.05	0	0
Stage 1	-3.25	0	0
Stage 1	-3.45	0	0
Stage 1	-3.65	0	0
Stage 1	-3.85	0	0
Stage 1	-4.05	0	0
Stage 1	-4.25	0	0
Stage 1	-4.45	0	0
Stage 1	-4.65	0	0
Stage 1	-4.85	0	0
Stage 1	-5.05	0	0
Stage 1	-5.25	0	0
Stage 1	-5.45	0	0
Stage 1	-5.65	0	0
Stage 1	-5.85	0	0
Stage 1	-6.05	0	0
Stage 1	-6.25	0	0
Stage 1	-6.45	0	0
Stage 1	-6.65	0	0
Stage 1	-6.85	0	0
Stage 1	-7.05	0	0
Stage 1	-7.25	0	0
Stage 1	-7.45	0	0
Stage 1	-7.65	0	0
Stage 1	-7.85	0	0
Stage 1	-8.05	0	0
Stage 1	-8.25	0	0
Stage 1	-8.45	0	0
Stage 1	-8.65	0	0
Stage 1	-8.85	0	0
Stage 1	-9.05	0	0
Stage 1	-9.25	0	0
Stage 1	-9.45	0	0
Stage 1	-9.65	0	0
Stage 1	-9.85	0	0
Stage 1	-10.05	0	0
Stage 1	-10.25	0	0
Stage 1	-10.45	0	0
Stage 1	-10.65	0	0
Stage 1	-10.85	0	0
Stage 1	-11.05	0	0
Stage 1	-11.25	0	0
Stage 1	-11.45	0	0
Stage 1	-11.65	0	0
Stage 1	-11.85	0	0
Stage 1	-12	0	0

Tabella Risultati Parete Combinata A2+M2+R1 - Left Wall - Stage: Stage 1

Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	0	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.2	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.25	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.45	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.65	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-0.85	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.05	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.25	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.45	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.65	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-1.85	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.05	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.25	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.45	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.65	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-2.85	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.05	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.25	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.45	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.65	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-3.85	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.05	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.25	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.45	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.65	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-4.85	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.05	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.25	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.45	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.65	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0
Stage 1	-5.85	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.05	0	0	0	0	0	0
Stage 1	-6.25	0	0	0	0	0	0

Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 1	-6.25	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.45	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.65	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-6.85	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.05	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.25	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.45	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.65	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-7.85	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.05	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.25	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.45	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.65	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-8.85	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.05	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.25	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.45	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.65	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-9.85	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.05	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.25	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.45	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.65	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-10.85	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.05	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.25	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.45	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.65	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-11.85	0	0	0	0	0	0
Stage 1	-12	0	0	0	0	0	0

Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 2

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.25	0	0.02
Stage 2	-0.45	0.01	0.03
Stage 2	-0.65	0.02	0.08
Stage 2	-0.85	0.05	0.14
Stage 2	-1.05	0.09	0.2
Stage 2	-1.25	0.14	0.25
Stage 2	-1.45	0.2	0.29
Stage 2	-1.65	0.27	0.33
Stage 2	-1.85	0.33	0.33
Stage 2	-2.05	0.4	0.31
Stage 2	-2.25	0.45	0.29
Stage 2	-2.45	0.5	0.25
Stage 2	-2.65	0.55	0.21
Stage 2	-2.85	0.58	0.18
Stage 2	-3.05	0.61	0.14
Stage 2	-3.25	0.63	0.11
Stage 2	-3.45	0.65	0.08
Stage 2	-3.65	0.66	0.05
Stage 2	-3.85	0.66	0.02
Stage 2	-4.05	0.66	0
Stage 2	-4.25	0.66	-0.03
Stage 2	-4.45	0.65	-0.04
Stage 2	-4.65	0.64	-0.05
Stage 2	-4.85	0.63	-0.06
Stage 2	-5.05	0.61	-0.07
Stage 2	-5.25	0.6	-0.08
Stage 2	-5.45	0.58	-0.1
Stage 2	-5.65	0.55	-0.12
Stage 2	-5.85	0.53	-0.14
Stage 2	-6.05	0.49	-0.17
Stage 2	-6.25	0.45	-0.2
Stage 2	-6.45	0.41	-0.22
Stage 2	-6.65	0.36	-0.24
Stage 2	-6.85	0.31	-0.24
Stage 2	-7.05	0.26	-0.24
Stage 2	-7.25	0.22	-0.23
Stage 2	-7.45	0.18	-0.21
Stage 2	-7.65	0.14	-0.2
Stage 2	-7.85	0.1	-0.18
Stage 2	-8.05	0.07	-0.16
Stage 2	-8.25	0.04	-0.14
Stage 2	-8.45	0.02	-0.12
Stage 2	-8.65	0	-0.1
Stage 2	-8.85	-0.02	-0.08
Stage 2	-9.05	-0.03	-0.06
Stage 2	-9.25	-0.04	-0.05
Stage 2	-9.45	-0.05	-0.03
Stage 2	-9.65	-0.05	-0.02
Stage 2	-9.85	-0.05	0
Stage 2	-10.05	-0.05	0.01
Stage 2	-10.25	-0.05	0.02
Stage 2	-10.45	-0.04	0.02
Stage 2	-10.65	-0.03	0.03
Stage 2	-10.85	-0.03	0.03
Stage 2	-11.05	-0.02	0.03
Stage 2	-11.25	-0.01	0.03
Stage 2	-11.45	-0.01	0.03
Stage 2	-11.65	0	0.02
Stage 2	-11.85	0	0.01
Stage 2	-12	0	0.01

Tabella Risultati Parete Combinata A2+M2+R1 - Left Wall - Stage: Stage 2

Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	0	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.2	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.25	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.45	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.65	0	0	0	0	0	0
Stage 2	-0.85	0	0	0	0	0	0
Stage 2	-0.85	0	0.01	0	0	0	0
Stage 2	-1.05	0	0.01	0	0	0	0
Stage 2	-1.05	0	0.01	0	0	0	0
Stage 2	-1.25	0	0.01	0	0.01	0	0
Stage 2	-1.25	0	0.01	0	0.01	0	0
Stage 2	-1.45	0.01	0.01	0	0.01	0	0
Stage 2	-1.45	0.01	0.01	0	0.01	0	0
Stage 2	-1.65	0.01	0.01	0	0.01	0	0
Stage 2	-1.65	0.01	0.01	0	0.01	0	0
Stage 2	-1.85	0.01	0.01	0	0.02	0	0
Stage 2	-1.85	0.01	0.01	0	0.02	0	0
Stage 2	-2.05	0.01	0.01	0	0.02	0	0
Stage 2	-2.05	0.01	0.01	0	0.02	0	0
Stage 2	-2.25	0.01	0.01	0	0.02	0	0
Stage 2	-2.25	0.01	0.01	0	0.02	0	0
Stage 2	-2.45	0.01	0.01	0	0.03	0	0
Stage 2	-2.45	0.01	0.01	0	0.03	0	0
Stage 2	-2.65	0.01	0.01	0	0.03	0	0
Stage 2	-2.65	0.01	0	0	0.03	0	0
Stage 2	-2.85	0.01	0	0	0.03	0	0
Stage 2	-2.85	0.01	0	0	0.03	0	0
Stage 2	-3.05	0.02	0	0	0.03	0	0
Stage 2	-3.05	0.02	0	0	0.03	0	0
Stage 2	-3.25	0.02	0	0	0.03	0	0
Stage 2	-3.25	0.02	0	0	0.03	0	0
Stage 2	-3.45	0.02	0	0	0.03	0	0
Stage 2	-3.45	0.02	0	0	0.03	0	0
Stage 2	-3.65	0.02	0	0	0.03	0	0
Stage 2	-3.65	0.02	0	0	0.03	0	0
Stage 2	-3.85	0.02	0	0	0.03	0	0
Stage 2	-3.85	0.02	0	0	0.03	0	0
Stage 2	-4.05	0.02	0	0	0.03	0	0
Stage 2	-4.05	0.02	0	0	0.03	0	0
Stage 2	-4.25	0.02	0	0	0.03	0	0
Stage 2	-4.25	0.02	0	0	0.03	0	0
Stage 2	-4.45	0.02	0	0	0.03	0	0
Stage 2	-4.45	0.02	0	0	0.03	0	0
Stage 2	-4.65	0.02	0	0	0.03	0	0
Stage 2	-4.65	0.02	0	0	0.03	0	0
Stage 2	-4.85	0.02	0	0	0.03	0	0
Stage 2	-4.85	0.02	0	0	0.03	0	0
Stage 2	-5.05	0.02	0	0	0.03	0	0
Stage 2	-5.05	0.02	0	0	0.03	0	0
Stage 2	-5.25	0.02	0	0	0.03	0	0
Stage 2	-5.25	0.02	0	0	0.03	0	0
Stage 2	-5.45	0.01	0	0	0.03	0	0
Stage 2	-5.45	0.01	0	0	0.03	0	0
Stage 2	-5.65	0.01	0	0	0.03	0	0
Stage 2	-5.65	0.01	0	0	0.03	0	0
Stage 2	-5.85	0.01	0	0	0.03	0	0
Stage 2	-5.85	0.01	0	0	0.03	0	0
Stage 2	-6.05	0.01	0	0	0.03	0	0
Stage 2	-6.05	0.01	-0.01	0	0.03	0	0
Stage 2	-6.25	0.01	-0.01	0	0.02	0	0

Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 2	-6.25	0.01	-0.01	0	0.02	0	0
Stage 2	-6.45	0.01	-0.01	0	0.02	0	0
Stage 2	-6.45	0.01	-0.01	0	0.02	0	0
Stage 2	-6.65	0.01	-0.01	0	0.02	0	0
Stage 2	-6.65	0.01	-0.01	0	0.02	0	0
Stage 2	-6.85	0.01	-0.01	0	0.02	0	0
Stage 2	-6.85	0.01	-0.01	0	0.02	0	0
Stage 2	-7.05	0.01	-0.01	0	0.01	0	0
Stage 2	-7.05	0.01	-0.01	0	0.01	0	0
Stage 2	-7.25	0.01	-0.01	0	0.01	0	0
Stage 2	-7.25	0.01	-0.01	0	0.01	0	0
Stage 2	-7.45	0	-0.01	0	0.01	0	0
Stage 2	-7.45	0	-0.01	0	0.01	0	0
Stage 2	-7.65	0	-0.01	0	0.01	0	0
Stage 2	-7.65	0	0	0	0.01	0	0
Stage 2	-7.85	0	0	0	0.01	0	0
Stage 2	-7.85	0	0	0	0.01	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.05	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.25	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.45	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.65	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-8.85	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.05	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.25	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.45	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.65	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-9.85	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.05	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.25	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.45	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.65	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-10.85	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.05	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.25	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.45	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.65	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-11.85	0	0	0	0	0	0
Stage 2	-12	0	0	0	0	0	0

Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 3

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.25	-0.02	-0.32
Stage 3	-0.45	-0.16	-0.72
Stage 3	-0.65	-0.53	-1.87
Stage 3	-0.85	-0.92	-1.93
Stage 3	-1.05	-1.31	-1.95
Stage 3	-1.25	-1.7	-1.94
Stage 3	-1.45	-2.08	-1.9
Stage 3	-1.65	-2.45	-1.84
Stage 3	-1.85	-2.8	-1.76
Stage 3	-2.05	-3.14	-1.66
Stage 3	-2.25	-3.44	-1.54
Stage 3	-2.45	-3.72	-1.37
Stage 3	-2.65	-3.95	-1.17
Stage 3	-2.85	-4.14	-0.92
Stage 3	-3.05	-4.26	-0.63
Stage 3	-3.25	-4.32	-0.29
Stage 3	-3.45	-4.3	0.11
Stage 3	-3.65	-4.19	0.56
Stage 3	-3.85	-4	0.94
Stage 3	-4.05	-3.75	1.22
Stage 3	-4.25	-3.47	1.43
Stage 3	-4.45	-3.15	1.56
Stage 3	-4.65	-2.83	1.64
Stage 3	-4.85	-2.49	1.67
Stage 3	-5.05	-2.16	1.66
Stage 3	-5.25	-1.84	1.61
Stage 3	-5.45	-1.53	1.53
Stage 3	-5.65	-1.25	1.42
Stage 3	-5.85	-0.99	1.28
Stage 3	-6.05	-0.76	1.13
Stage 3	-6.25	-0.57	0.97
Stage 3	-6.45	-0.41	0.82
Stage 3	-6.65	-0.27	0.68
Stage 3	-6.85	-0.16	0.55
Stage 3	-7.05	-0.07	0.44
Stage 3	-7.25	0	0.35
Stage 3	-7.45	0.05	0.27
Stage 3	-7.65	0.09	0.19
Stage 3	-7.85	0.12	0.13
Stage 3	-8.05	0.13	0.08
Stage 3	-8.25	0.14	0.04
Stage 3	-8.45	0.14	0.01
Stage 3	-8.65	0.14	-0.02
Stage 3	-8.85	0.13	-0.04
Stage 3	-9.05	0.12	-0.05
Stage 3	-9.25	0.11	-0.06
Stage 3	-9.45	0.1	-0.07
Stage 3	-9.65	0.08	-0.07
Stage 3	-9.85	0.07	-0.07
Stage 3	-10.05	0.06	-0.06
Stage 3	-10.25	0.04	-0.06
Stage 3	-10.45	0.03	-0.05
Stage 3	-10.65	0.03	-0.05
Stage 3	-10.85	0.02	-0.04
Stage 3	-11.05	0.01	-0.03
Stage 3	-11.25	0.01	-0.02
Stage 3	-11.45	0	-0.02
Stage 3	-11.65	0	-0.01
Stage 3	-11.85	0	-0.01
Stage 3	-12	0	0

Tabella Risultati Parete Combinata A2+M2+R1 - Left Wall - Stage: Stage 3

Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	0	0	0	0
Stage 3	-0.2	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.01	0	0	0	0
Stage 3	-0.25	0	-0.02	0	0	0	0
Stage 3	-0.45	0	-0.02	0	-0.01	0	0
Stage 3	-0.45	0	-0.05	0	-0.01	0	0
Stage 3	-0.65	-0.01	-0.05	0	-0.03	0	0
Stage 3	-0.65	-0.01	-0.05	0	-0.03	0	0
Stage 3	-0.85	-0.02	-0.05	0	-0.05	0	0
Stage 3	-0.85	-0.02	-0.05	0	-0.05	0	0
Stage 3	-1.05	-0.03	-0.05	0	-0.07	0	0
Stage 3	-1.05	-0.03	-0.05	0	-0.07	0	0
Stage 3	-1.25	-0.04	-0.05	0	-0.09	0	0
Stage 3	-1.25	-0.04	-0.05	0	-0.09	0	0
Stage 3	-1.45	-0.05	-0.05	0	-0.11	0	0
Stage 3	-1.45	-0.05	-0.05	0	-0.11	0	0
Stage 3	-1.65	-0.06	-0.05	0	-0.13	0	0
Stage 3	-1.65	-0.06	-0.05	0	-0.13	0	0
Stage 3	-1.85	-0.07	-0.05	0	-0.14	0	0
Stage 3	-1.85	-0.07	-0.04	0	-0.14	0	0
Stage 3	-2.05	-0.08	-0.04	0	-0.16	0	0
Stage 3	-2.05	-0.08	-0.04	0	-0.16	0	0
Stage 3	-2.25	-0.09	-0.04	0	-0.18	0	0
Stage 3	-2.25	-0.09	-0.04	0	-0.18	0	0
Stage 3	-2.45	-0.1	-0.04	0	-0.19	0	0
Stage 3	-2.45	-0.1	-0.03	0	-0.19	0	0
Stage 3	-2.65	-0.1	-0.03	0	-0.2	0	0
Stage 3	-2.65	-0.1	-0.02	0	-0.2	0	0
Stage 3	-2.85	-0.11	-0.02	0	-0.21	0	0
Stage 3	-2.85	-0.11	-0.02	0	-0.21	0	0
Stage 3	-3.05	-0.11	-0.02	0	-0.22	0	0
Stage 3	-3.05	-0.11	-0.01	0	-0.22	0	0
Stage 3	-3.25	-0.11	-0.01	0	-0.22	0	0
Stage 3	-3.25	-0.11	0	0	-0.22	0	0
Stage 3	-3.45	-0.11	0	0	-0.22	0	0
Stage 3	-3.45	-0.11	0.01	0	-0.22	0	0
Stage 3	-3.65	-0.11	0.01	0	-0.21	0	0
Stage 3	-3.65	-0.11	0.02	0	-0.21	0	0
Stage 3	-3.85	-0.1	0.02	0	-0.21	0	0
Stage 3	-3.85	-0.1	0.03	0	-0.21	0	0
Stage 3	-4.05	-0.1	0.03	0	-0.19	0	0
Stage 3	-4.05	-0.1	0.04	0	-0.19	0	0
Stage 3	-4.25	-0.09	0.04	0	-0.18	0	0
Stage 3	-4.25	-0.09	0.04	0	-0.18	0	0
Stage 3	-4.45	-0.08	0.04	0	-0.16	0	0
Stage 3	-4.45	-0.08	0.04	0	-0.16	0	0
Stage 3	-4.65	-0.07	0.04	0	-0.14	0	0
Stage 3	-4.65	-0.07	0.04	0	-0.14	0	0
Stage 3	-4.85	-0.06	0.04	0	-0.13	0	0
Stage 3	-4.85	-0.06	0.04	0	-0.13	0	0
Stage 3	-5.05	-0.06	0.04	0	-0.11	0	0
Stage 3	-5.05	-0.06	0.04	0	-0.11	0	0
Stage 3	-5.25	-0.05	0.04	0	-0.09	0	0
Stage 3	-5.25	-0.05	0.04	0	-0.09	0	0
Stage 3	-5.45	-0.04	0.04	0	-0.08	0	0
Stage 3	-5.45	-0.04	0.04	0	-0.08	0	0
Stage 3	-5.65	-0.03	0.04	0	-0.06	0	0
Stage 3	-5.65	-0.03	0.03	0	-0.06	0	0
Stage 3	-5.85	-0.03	0.03	0	-0.05	0	0
Stage 3	-5.85	-0.03	0.03	0	-0.05	0	0
Stage 3	-6.05	-0.02	0.03	0	-0.04	0	0
Stage 3	-6.05	-0.02	0.02	0	-0.04	0	0
Stage 3	-6.25	-0.01	0.02	0	-0.03	0	0

Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 3	-6.25	-0.01	0.02	0	-0.03	0	0
Stage 3	-6.45	-0.01	0.02	0	-0.02	0	0
Stage 3	-6.45	-0.01	0.02	0	-0.02	0	0
Stage 3	-6.65	-0.01	0.02	0	-0.01	0	0
Stage 3	-6.65	-0.01	0.01	0	-0.01	0	0
Stage 3	-6.85	0	0.01	0	-0.01	0	0
Stage 3	-6.85	0	0.01	0	-0.01	0	0
Stage 3	-7.05	0	0.01	0	0	0	0
Stage 3	-7.05	0	0.01	0	0	0	0
Stage 3	-7.25	0	0.01	0	0	0	0
Stage 3	-7.25	0	0.01	0	0	0	0
Stage 3	-7.45	0	0.01	0	0	0	0
Stage 3	-7.45	0	0	0	0	0	0
Stage 3	-7.65	0	0	0	0	0	0
Stage 3	-7.65	0	0	0	0	0	0
Stage 3	-7.85	0	0	0	0.01	0	0
Stage 3	-7.85	0	0	0	0.01	0	0
Stage 3	-8.05	0	0	0	0.01	0	0
Stage 3	-8.05	0	0	0	0.01	0	0
Stage 3	-8.25	0	0	0	0.01	0	0
Stage 3	-8.25	0	0	0	0.01	0	0
Stage 3	-8.45	0	0	0	0.01	0	0
Stage 3	-8.45	0	0	0	0.01	0	0
Stage 3	-8.65	0	0	0	0.01	0	0
Stage 3	-8.65	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-8.85	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.05	0	0	0	0.01	0	0
Stage 3	-9.25	0	0	0	0.01	0	0
Stage 3	-9.25	0	0	0	0.01	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.45	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.65	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-9.85	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.05	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.25	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.45	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.65	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-10.85	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.05	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.25	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.45	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.65	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-11.85	0	0	0	0	0	0
Stage 3	-12	0	0	0	0	0	0

Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 4

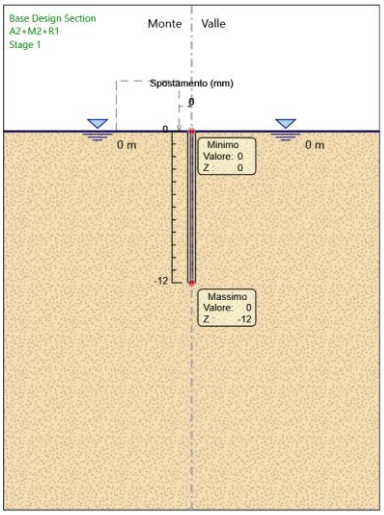
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	0	0	0
Stage 4	-0.2	0	0
Stage 4	-0.2	0	0
Stage 4	-0.25	-0.01	-0.29
Stage 4	-0.25	-0.01	-0.29
Stage 4	-0.45	-0.15	-0.66
Stage 4	-0.65	-0.49	-1.71
Stage 4	-0.85	-1.14	-3.25
Stage 4	-1.05	-2.19	-5.28
Stage 4	-1.25	-3.75	-7.79
Stage 4	-1.45	-5.91	-10.8
Stage 4	-1.65	-8.77	-14.3
Stage 4	-1.85	-12.43	-18.3
Stage 4	-2.05	-16.99	-22.8
Stage 4	-2.25	-22.55	-27.79
Stage 4	-2.45	-29.21	-33.28
Stage 4	-2.65	-37.06	-39.24
Stage 4	-2.85	-46.19	-45.69
Stage 4	-3.05	-56.72	-52.61
Stage 4	-3.25	-68.72	-60.02
Stage 4	-3.45	-82.3	-67.9
Stage 4	-3.65	-97.55	-76.26
Stage 4	-3.85	-114.57	-85.1
Stage 4	-4.05	-133.45	-94.41
Stage 4	-4.25	-153.88	-102.15
Stage 4	-4.45	-175.55	-108.33
Stage 4	-4.65	-198.14	-112.94
Stage 4	-4.85	-221.34	-115.99
Stage 4	-5.05	-244.83	-117.47
Stage 4	-5.25	-268.31	-117.38
Stage 4	-5.45	-291.45	-115.73
Stage 4	-5.65	-313.95	-112.5
Stage 4	-5.85	-335.49	-107.72
Stage 4	-6.05	-355.77	-101.36
Stage 4	-6.25	-374.45	-93.43
Stage 4	-6.45	-391.24	-83.92
Stage 4	-6.65	-405.8	-72.83
Stage 4	-6.85	-417.84	-60.16
Stage 4	-7.05	-427.02	-45.91
Stage 4	-7.25	-433.04	-30.08
Stage 4	-7.45	-435.57	-12.68
Stage 4	-7.65	-434.31	6.31
Stage 4	-7.85	-428.93	26.88
Stage 4	-8.05	-419.76	45.84
Stage 4	-8.25	-407.16	63.04
Stage 4	-8.45	-391.45	78.53
Stage 4	-8.65	-372.98	92.36
Stage 4	-8.85	-352.06	104.61
Stage 4	-9.05	-328.99	115.32
Stage 4	-9.25	-304.08	124.55
Stage 4	-9.45	-277.61	132.35
Stage 4	-9.65	-249.86	138.76
Stage 4	-9.85	-221.09	143.82
Stage 4	-10.05	-191.58	147.58
Stage 4	-10.25	-161.57	150.05
Stage 4	-10.45	-131.58	149.94
Stage 4	-10.65	-103.11	142.37
Stage 4	-10.85	-77.22	129.45
Stage 4	-11.05	-54.34	114.38
Stage 4	-11.25	-34.91	97.16
Stage 4	-11.45	-19.35	77.81
Stage 4	-11.65	-8.08	56.33
Stage 4	-11.85	-1.54	32.74
Stage 4	-12	0	10.24

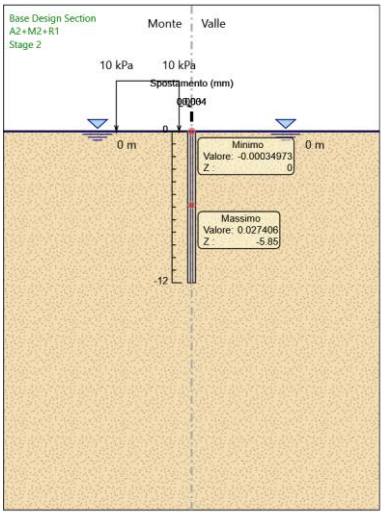
Tabella Risultati Parete Combinata A2+M2+R1 - Left Wall - Stage: Stage 4

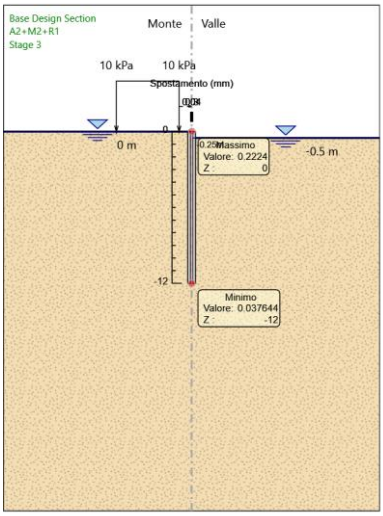
Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	0	0	0	0
Stage 4	-0.2	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.01	0	0	0	0
Stage 4	-0.25	0	-0.02	0	0	0	0
Stage 4	-0.45	0	-0.02	0	-0.01	0	0
Stage 4	-0.45	0	-0.04	0	-0.01	0	0
Stage 4	-0.65	-0.01	-0.04	0	-0.03	0	0
Stage 4	-0.65	-0.01	-0.08	0	-0.03	0	0
Stage 4	-0.85	-0.03	-0.08	0	-0.06	0	0
Stage 4	-0.85	-0.03	-0.14	0	-0.06	0	0
Stage 4	-1.05	-0.06	-0.14	0	-0.11	0	0
Stage 4	-1.05	-0.06	-0.2	0	-0.11	0	0
Stage 4	-1.25	-0.1	-0.2	0	-0.19	0	0
Stage 4	-1.25	-0.1	-0.28	0	-0.19	0	0
Stage 4	-1.45	-0.15	-0.28	0	-0.3	0	0
Stage 4	-1.45	-0.15	-0.37	0	-0.3	0	0
Stage 4	-1.65	-0.23	-0.37	0	-0.45	0	0
Stage 4	-1.65	-0.23	-0.47	0	-0.45	0	0
Stage 4	-1.85	-0.32	-0.47	0	-0.64	0	0
Stage 4	-1.85	-0.32	-0.58	0	-0.64	0	0
Stage 4	-2.05	-0.44	-0.58	0	-0.87	0	0
Stage 4	-2.05	-0.44	-0.71	0	-0.87	0	0
Stage 4	-2.25	-0.58	-0.71	0	-1.16	0	0
Stage 4	-2.25	-0.58	-0.85	0	-1.16	0	0
Stage 4	-2.45	-0.75	-0.85	0	-1.5	0	0
Stage 4	-2.45	-0.75	-1.01	0	-1.5	0	0
Stage 4	-2.65	-0.95	-1.01	0	-1.9	0	0
Stage 4	-2.65	-0.95	-1.17	0	-1.9	0	0
Stage 4	-2.85	-1.18	-1.17	0	-2.37	0	0
Stage 4	-2.85	-1.18	-1.35	0	-2.37	0	0
Stage 4	-3.05	-1.45	-1.35	0	-2.91	0	0
Stage 4	-3.05	-1.45	-1.54	0	-2.91	0	0
Stage 4	-3.25	-1.76	-1.54	0	-3.53	0	0
Stage 4	-3.25	-1.76	-1.74	0	-3.53	0	0
Stage 4	-3.45	-2.11	-1.74	0	-4.22	0	0
Stage 4	-3.45	-2.11	-1.96	0	-4.22	0	0
Stage 4	-3.65	-2.5	-1.96	0	-5	0	0
Stage 4	-3.65	-2.5	-2.18	0	-5	0	0
Stage 4	-3.85	-2.94	-2.18	0	-5.88	0	0
Stage 4	-3.85	-2.94	-2.42	0	-5.88	0	0
Stage 4	-4.05	-3.42	-2.42	0	-6.85	0	0
Stage 4	-4.05	-3.42	-2.62	0	-6.85	0	0
Stage 4	-4.25	-3.95	-2.62	0	-7.89	0	0
Stage 4	-4.25	-3.95	-2.78	0	-7.89	0	0
Stage 4	-4.45	-4.5	-2.78	0	-9.01	0	0
Stage 4	-4.45	-4.5	-2.9	0	-9.01	0	0
Stage 4	-4.65	-5.08	-2.9	0	-10.17	0	0
Stage 4	-4.65	-5.08	-2.98	0	-10.17	0	0
Stage 4	-4.85	-5.68	-2.98	0	-11.36	0	0
Stage 4	-4.85	-5.68	-3.01	0	-11.36	0	0
Stage 4	-5.05	-6.28	-3.01	0	-12.56	0	0
Stage 4	-5.05	-6.28	-3.01	0	-12.56	0	0
Stage 4	-5.25	-6.88	-3.01	0	-13.76	0	0
Stage 4	-5.25	-6.88	-2.97	0	-13.76	0	0
Stage 4	-5.45	-7.48	-2.97	0	-14.95	0	0
Stage 4	-5.45	-7.48	-2.89	0	-14.95	0	0
Stage 4	-5.65	-8.05	-2.89	0	-16.11	0	0
Stage 4	-5.65	-8.05	-2.76	0	-16.11	0	0
Stage 4	-5.85	-8.61	-2.76	0	-17.21	0	0
Stage 4	-5.85	-8.61	-2.6	0	-17.21	0	0
Stage 4	-6.05	-9.13	-2.6	0	-18.25	0	0
Stage 4	-6.05	-9.13	-2.4	0	-18.25	0	0
Stage 4	-6.25	-9.61	-2.4	0	-19.21	0	0

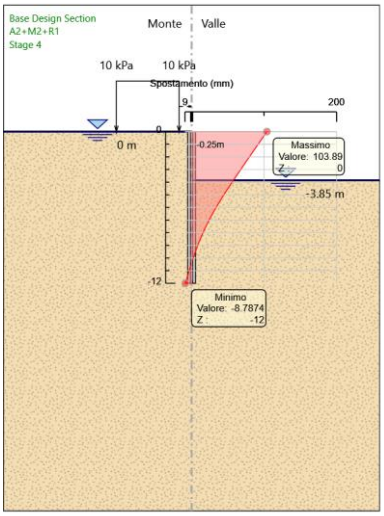
Design Assumption: A2+M2+R1 Stage	Risultati Parete Combinata Z (m)	Parete Combinata: LEFT Momento Singola Gamba (kN*m/m)	Taglio Singola Gamba (kN/m)	Azioni Assiali (sx) (kN/m)	Momento Risultante (kN*m/m)	Forza nel Giunto (kPa)	Scorrimento Plastico Giunto (m)
Stage 4	-6.25	-9.61	-2.15	0	-19.21	0	0
Stage 4	-6.45	-10.04	-2.15	0	-20.07	0	0
Stage 4	-6.45	-10.04	-1.87	0	-20.07	0	0
Stage 4	-6.65	-10.41	-1.87	0	-20.82	0	0
Stage 4	-6.65	-10.41	-1.54	0	-20.82	0	0
Stage 4	-6.85	-10.72	-1.54	0	-21.44	0	0
Stage 4	-6.85	-10.72	-1.18	0	-21.44	0	0
Stage 4	-7.05	-10.95	-1.18	0	-21.91	0	0
Stage 4	-7.05	-10.95	-0.77	0	-21.91	0	0
Stage 4	-7.25	-11.11	-0.77	0	-22.22	0	0
Stage 4	-7.25	-11.11	-0.33	0	-22.22	0	0
Stage 4	-7.45	-11.17	-0.33	0	-22.35	0	0
Stage 4	-7.45	-11.17	0.16	0	-22.35	0	0
Stage 4	-7.65	-11.14	0.16	0	-22.28	0	0
Stage 4	-7.65	-11.14	0.69	0	-22.28	0	0
Stage 4	-7.85	-11	0.69	0	-22.01	0	0
Stage 4	-7.85	-11	1.18	0	-22.01	0	0
Stage 4	-8.05	-10.77	1.18	0	-21.54	0	0
Stage 4	-8.05	-10.77	1.62	0	-21.54	0	0
Stage 4	-8.25	-10.44	1.62	0	-20.89	0	0
Stage 4	-8.25	-10.44	2.01	0	-20.89	0	0
Stage 4	-8.45	-10.04	2.01	0	-20.08	0	0
Stage 4	-8.45	-10.04	2.37	0	-20.08	0	0
Stage 4	-8.65	-9.57	2.37	0	-19.13	0	0
Stage 4	-8.65	-9.57	2.68	0	-19.13	0	0
Stage 4	-8.85	-9.03	2.68	0	-18.06	0	0
Stage 4	-8.85	-9.03	2.96	0	-18.06	0	0
Stage 4	-9.05	-8.44	2.96	0	-16.88	0	0
Stage 4	-9.05	-8.44	3.19	0	-16.88	0	0
Stage 4	-9.25	-7.8	3.19	0	-15.6	0	0
Stage 4	-9.25	-7.8	3.39	0	-15.6	0	0
Stage 4	-9.45	-7.12	3.39	0	-14.24	0	0
Stage 4	-9.45	-7.12	3.56	0	-14.24	0	0
Stage 4	-9.65	-6.41	3.56	0	-12.82	0	0
Stage 4	-9.65	-6.41	3.69	0	-12.82	0	0
Stage 4	-9.85	-5.67	3.69	0	-11.34	0	0
Stage 4	-9.85	-5.67	3.79	0	-11.34	0	0
Stage 4	-10.05	-4.91	3.79	0	-9.83	0	0
Stage 4	-10.05	-4.91	3.85	0	-9.83	0	0
Stage 4	-10.25	-4.14	3.85	0	-8.29	0	0
Stage 4	-10.25	-4.14	3.85	0	-8.29	0	0
Stage 4	-10.45	-3.38	3.85	0	-6.75	0	0
Stage 4	-10.45	-3.38	3.65	0	-6.75	0	0
Stage 4	-10.65	-2.64	3.65	0	-5.29	0	0
Stage 4	-10.65	-2.64	3.32	0	-5.29	0	0
Stage 4	-10.85	-1.98	3.32	0	-3.96	0	0
Stage 4	-10.85	-1.98	2.93	0	-3.96	0	0
Stage 4	-11.05	-1.39	2.93	0	-2.79	0	0
Stage 4	-11.05	-1.39	2.49	0	-2.79	0	0
Stage 4	-11.25	-0.9	2.49	0	-1.79	0	0
Stage 4	-11.25	-0.9	2	0	-1.79	0	0
Stage 4	-11.45	-0.5	2	0	-0.99	0	0
Stage 4	-11.45	-0.5	1.44	0	-0.99	0	0
Stage 4	-11.65	-0.21	1.44	0	-0.41	0	0
Stage 4	-11.65	-0.21	0.84	0	-0.41	0	0
Stage 4	-11.85	-0.04	0.84	0	-0.08	0	0
Stage 4	-11.85	-0.04	0.26	0	-0.08	0	0
Stage 4	-12	0	0.26	0	0	0	0

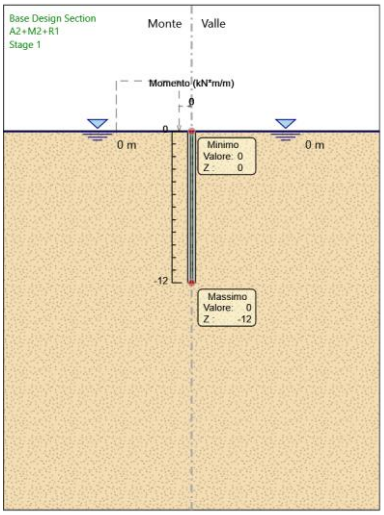
Tabella Grafici dei Risultati

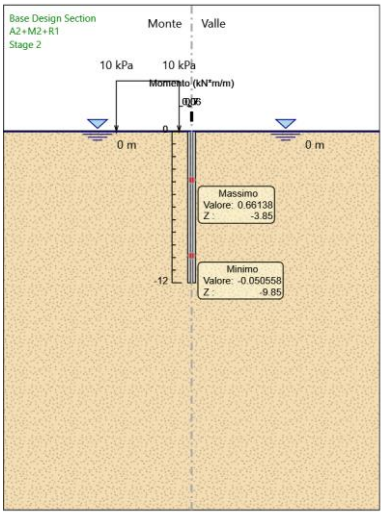


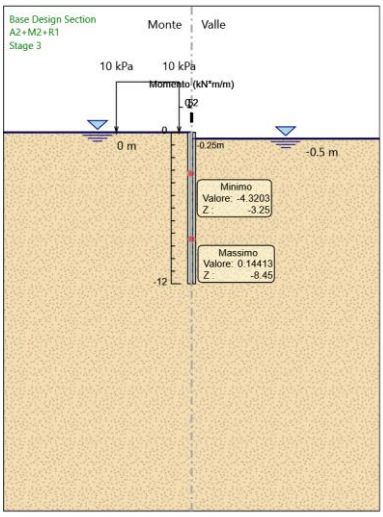


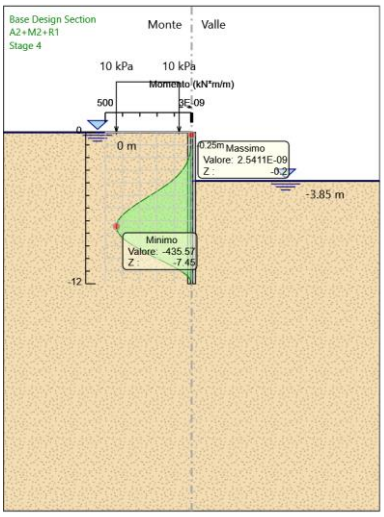


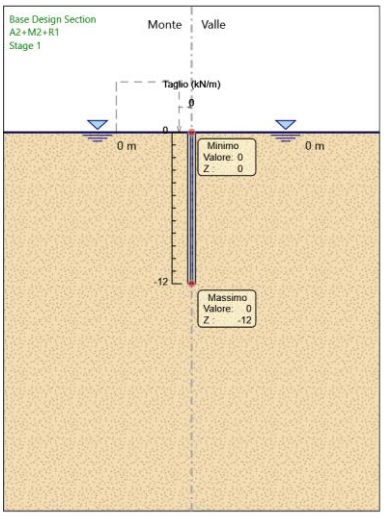


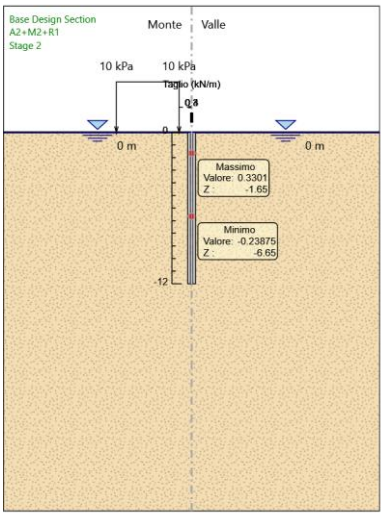


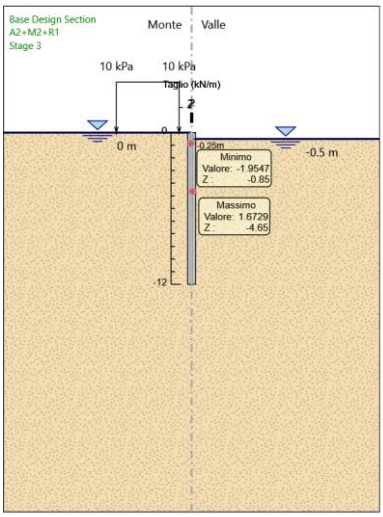


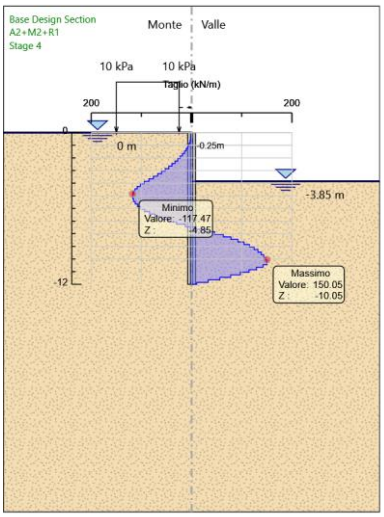

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -4.3203
Z : -3.25
Massimo
Valore: 0.14413
Z : -8.45
-12

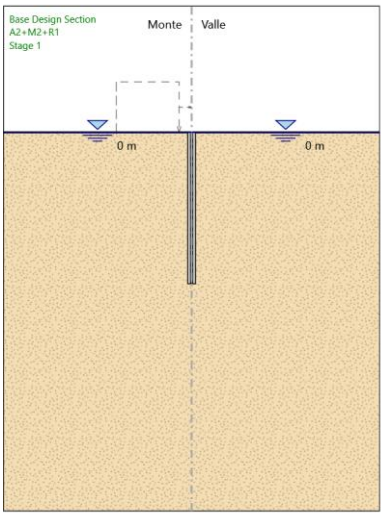

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento (kN*m/m)
500
0 m
-0.25m
Massimo
Valore: 2.5411E-09
Z : -0.2
-3.85 m
Minimo
Valore: -435.57
Z : -7.45
-12

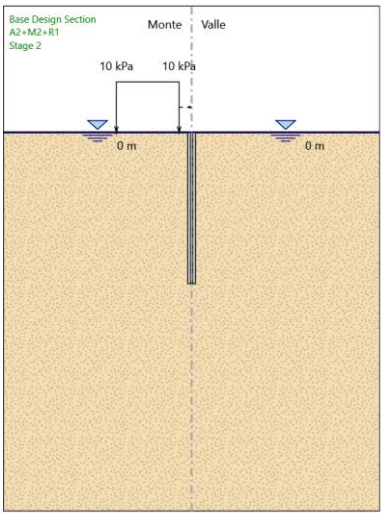

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Taglio (kN/m)
0 m
0 m
Minimo
Valore: 0
Z : 0
-12
Massimo
Valore: 0
Z : -12

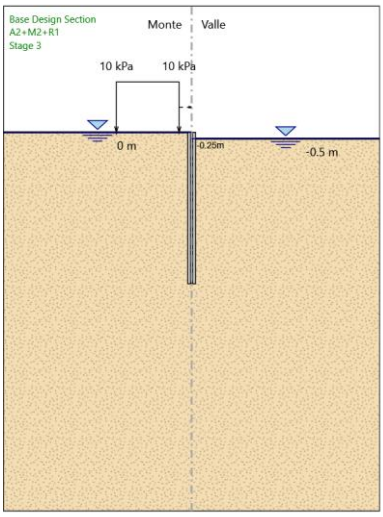

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
0 m
0 m
Massimo
Valore: 0.3301
Z : -1.65
Minimo
Valore: -0.23875
Z : -6.65
-12

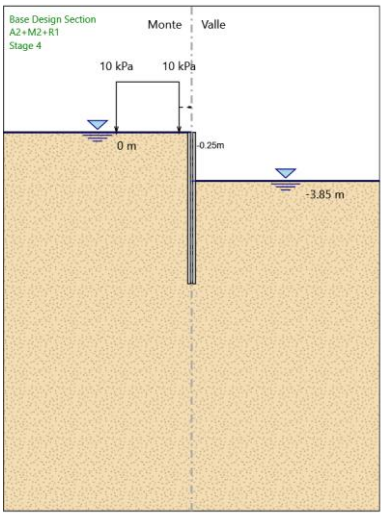

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -1.9547
Z : -0.85
Massimo
Valore: 1.6729
Z : -4.65
-12

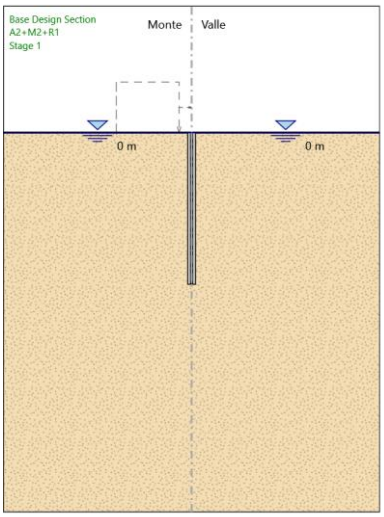

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Taglio (kN/m)
200
200
0 m
-0.25m
-3.85 m
Minimo
Valore: -117.47
Z : -4.85
Massimo
Valore: 150.05
Z : -10.05
-12

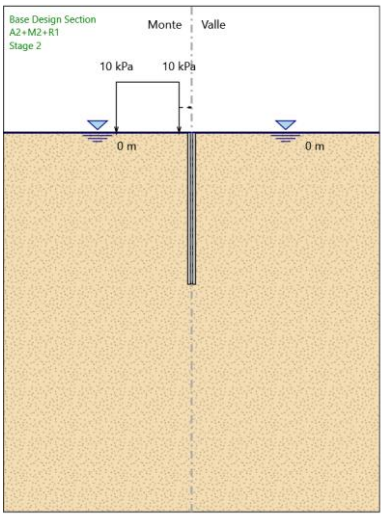

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
0 m
0 m

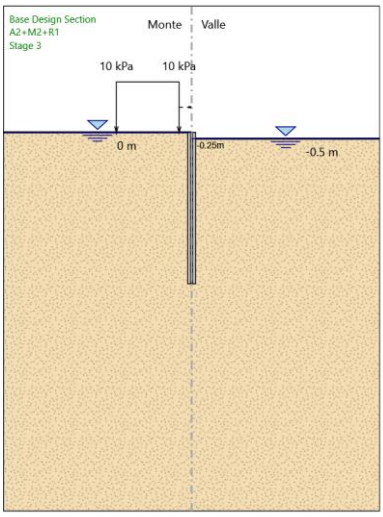

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
0 m
0 m

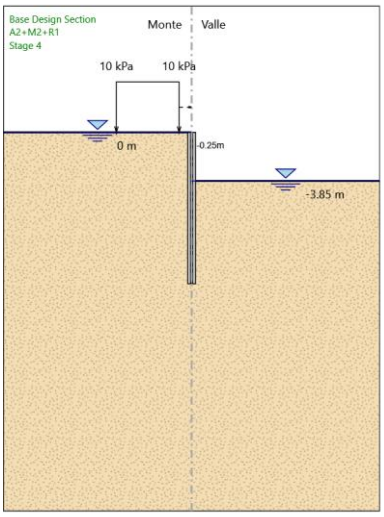

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-0.5 m

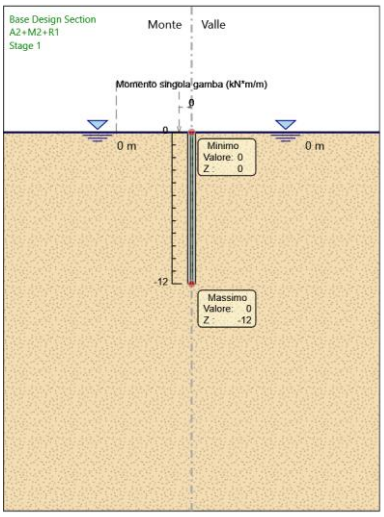

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-3.85 m

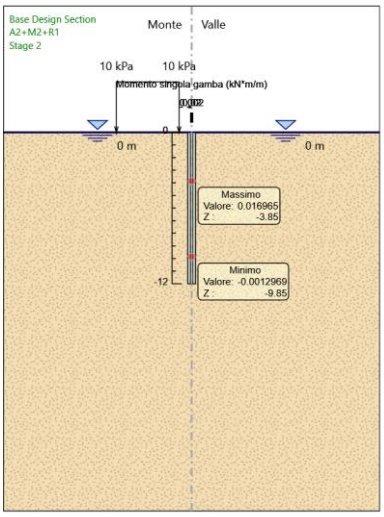

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
0 m
0 m

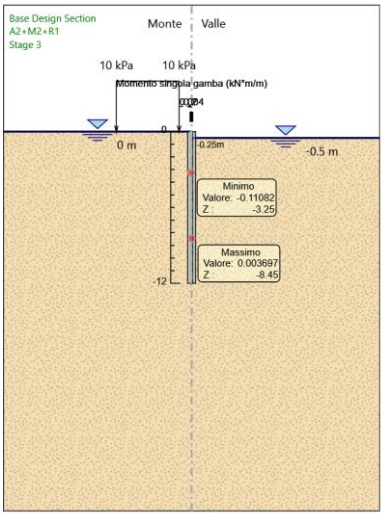

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
0 m
0 m

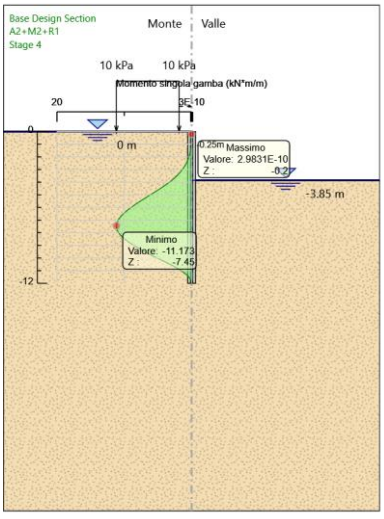

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-0.5 m

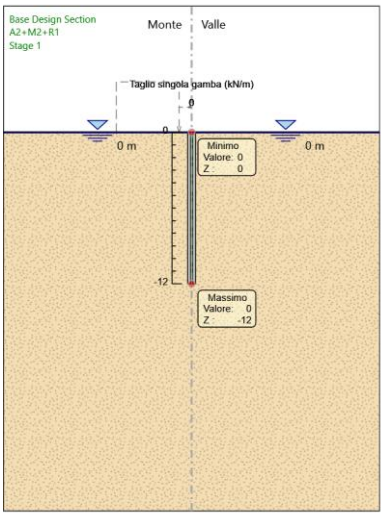

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
0 m
-0.25m
-3.85 m

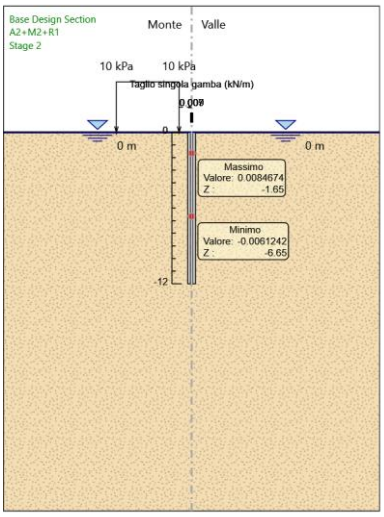

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Momento singola gamba (kN*m/m)
0 m
0 m
Minimo
Valore: 0
Z : 0
-12
Massimo
Valore: 0
Z : -12

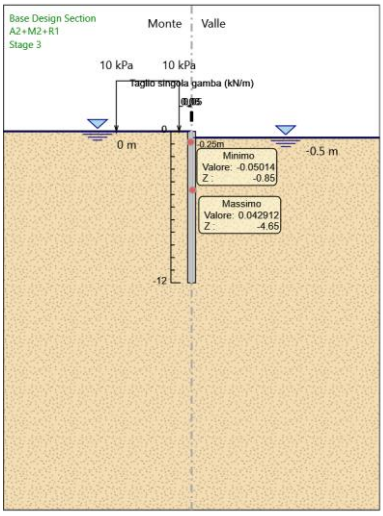

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
0 m
Massimo
Valore: 0.016965
Z : -3.85
Minimo
Valore: -0.0012969
Z : -9.85
-12

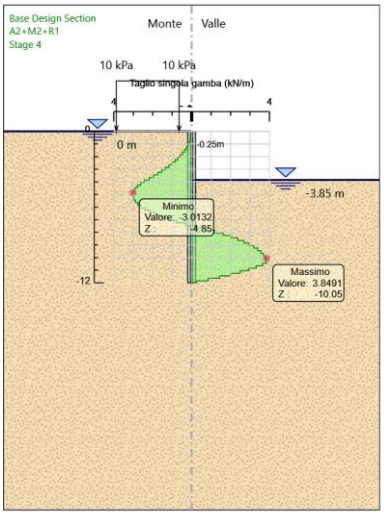

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -0.11082
Z : -3.25
Massimo
Valore: 0.003697
Z : -8.45
-12

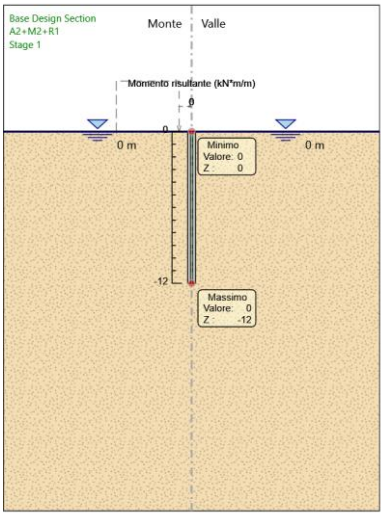

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento singola gamba (kN*m/m)
20
10
0 m
0.25m
Massimo
Valore: 2.9831E-10
Z : -0.2
-3.85 m
Minimo
Valore: -11.173
Z : -7.45
-12

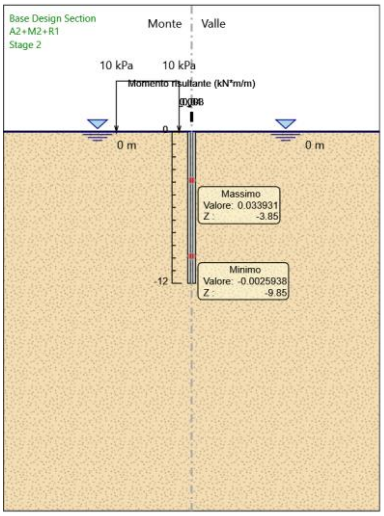

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Taglio singola gamba (kN/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

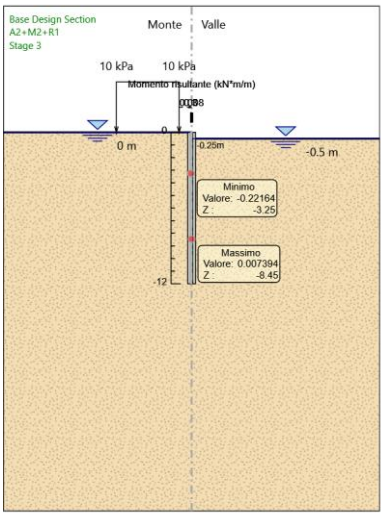

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
0 m
Massimo
Valore: 0.0084674
Z: -1.65
Minimo
Valore: -0.0061242
Z: -6.65
-12

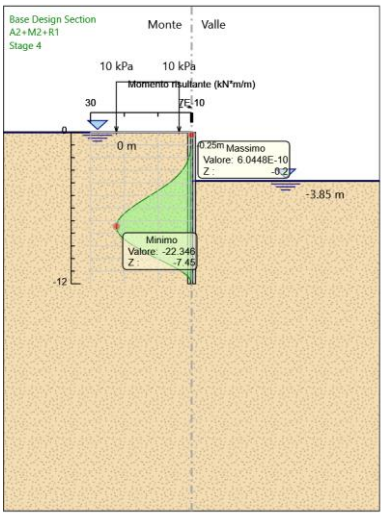

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
-0.5 m
0.25m
Minimo
Valore: -0.05014
Z: -0.85
Massimo
Valore: 0.042912
Z: -4.65
-12

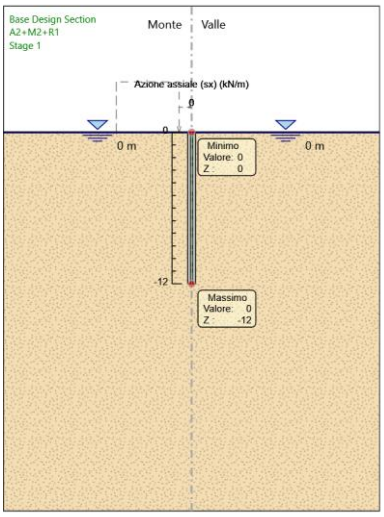

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Taglio singola gamba (kN/m)
0 m
-0.25m
-3.85 m
Minimo
Valore: -3.0132
Z: -4.85
Massimo
Valore: 3.8491
Z: -10.05
-12

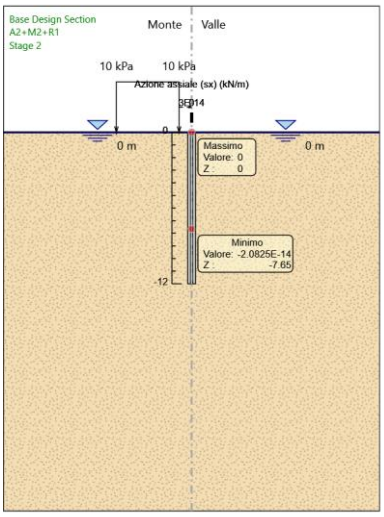

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Momento risultante (kN*m/m)
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

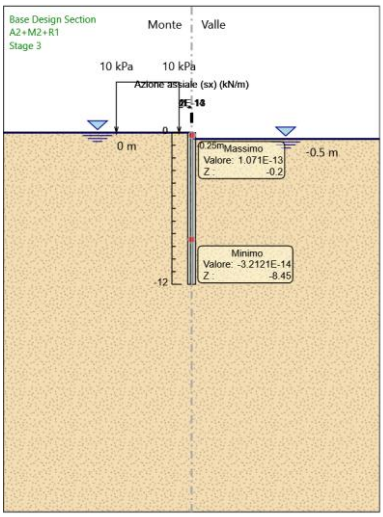

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
0 m
Massimo
Valore: 0.033931
Z: -3.85
Minimo
Valore: -0.0025938
Z: -9.85
-12

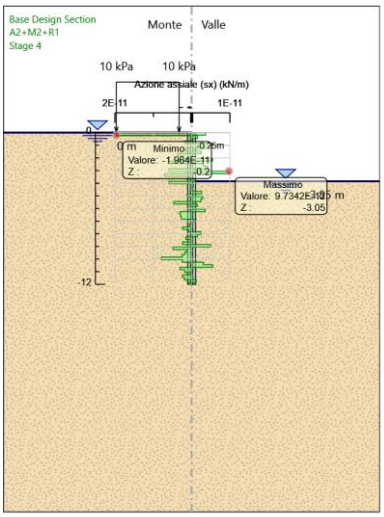

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
-0.25m
-0.5 m
Minimo
Valore: -0.22164
Z : -3.25
Massimo
Valore: 0.007394
Z : -8.45
-12

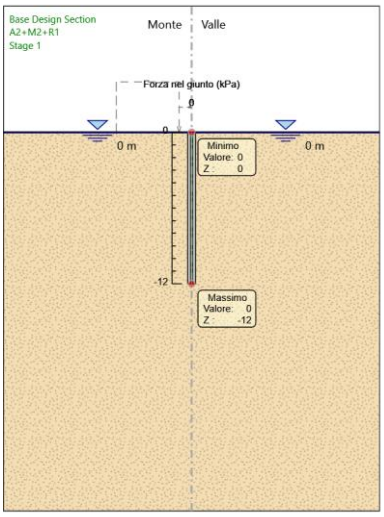

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Momento risultante (kN*m/m)
0 m
-0.25m
Massimo
Valore: 6.0448E-10
Z : -0.2
-3.85 m
Minimo
Valore: -22.346
Z : -7.45
-12

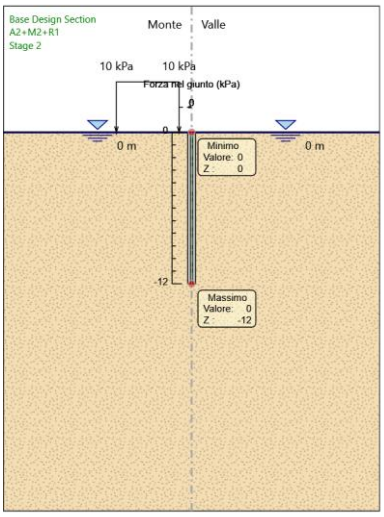

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Azione assiale (sx) (kN/m)
0 m
0 m
Minimo
Valore: 0
Z : 0
Massimo
Valore: 0
Z : -12
-12

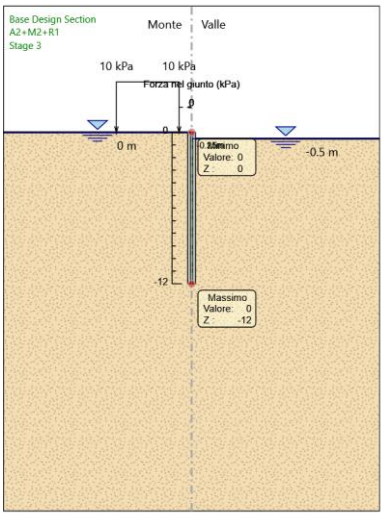

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
0 m
Massimo
Valore: 0
Z : 0
Minimo
Valore: -2.0825E-14
Z : -7.65
-12

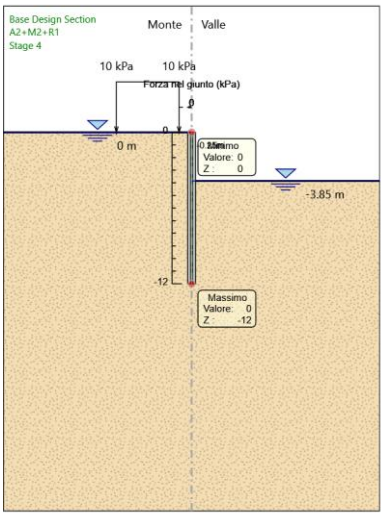

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
0.25m
Massimo
Valore: 1.071E-13
Z : -0.2
-0.5 m
Minimo
Valore: -3.2121E-14
Z : -8.45
-12

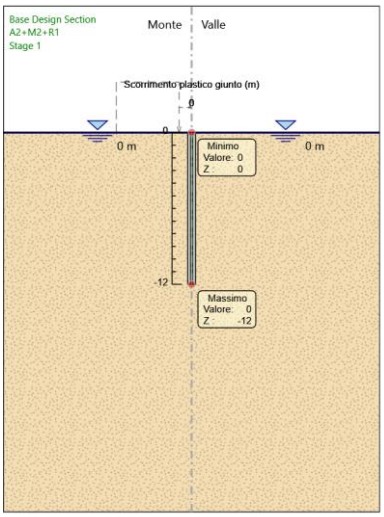

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Azione assiale (sx) (kN/m)
0 m
Minimo
Valore: -1.984E-11
Z : -0.2
0.25m
Massimo
Valore: 9.7342E-12
Z : -3.05
-12

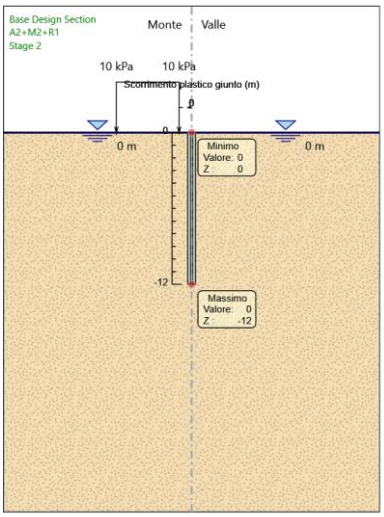

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Forza nel giunto (kPa)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

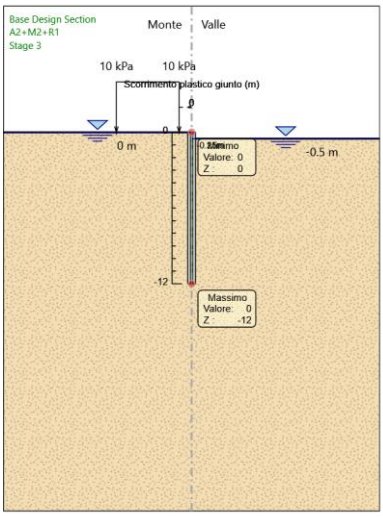

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12

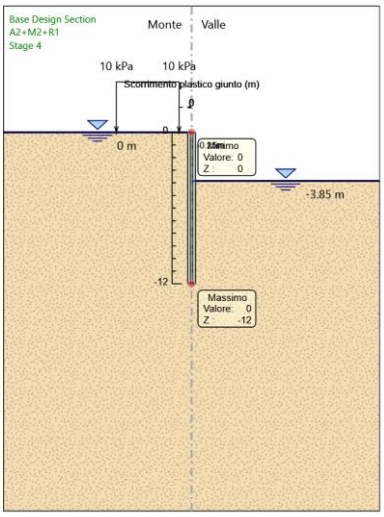

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0
0 m
-0.5 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Forza nel giunto (kPa)
0
0 m
-3.85 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
Scorrimento plastico giunto (m)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
0 m
Minimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
-0.5 m
Massimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12


Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
10 kPa
10 kPa
Scorrimento plastico giunto (m)
0
0 m
-3.85 m
Massimo
Valore: 0
Z: 0
-12
Massimo
Valore: 0
Z: -12